

ChatGPT Edu Pilot - Beneficial Use Cases

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Introduction

This report presents descriptions of beneficial use cases from 405 ChatGPT Edu pilot participants' feedback. The pilot participants consisted of full-time Virginia Tech employees and graduate students in GA/GTA/GRA positions. The default flagship model used during the pilot evaluation period was ChatGPT-4o, though participants could select from other models.

The intent behind sharing these use cases is three-fold: to inform the university community about practical uses of generative AI, to inspire ideas for applying generative AI in one's work, and as a token of appreciation to ChatGPT Edu participants who invested the time and effort to complete the survey.

The use cases shared represent the variety of applications and benefits. Some use cases were mentioned by one participant, but were included to represent the variety of ways ChatGPT was used.

Beneficial use case feedback is organized into three domains: administration/operations, scholarly research, and teaching. Within each domain, the use cases are further categorized into use case areas of

- **Summarizing, searching, and synthesizing:** researching and looking up information, condensing information, pulling out relevant parts of documents, combining multiple documents,
- **Brainstorming and ideation:** exploring new ideas and brainstorming solutions,
- **Writing:** drafting, revising, proofreading, and formatting,
- **Designing and developing:** creating plans, documents, materials, visuals, templates,
- **Coding:** programming/scripting, debugging, code optimization, and working with spreadsheet formulas,
- **Analyzing data:** analyzing qualitative and quantitative data or creating data visualizations, and
- **Other:** content that did not fit well elsewhere.

Some use cases did not fit cleanly into one category. In such cases, these decisions guided feedback categorization:

- Writing code for data analysis is categorized under "Coding"
- Carrying out multi-step activities to create a result or generating sets of items, such as brainstorming and writing to create a specific kind of document or generating a position description along with interview questions, is categorized under "Designing and developing."
- Generating images is categorized under "Designing and developing"
- Generating graphs or plots for data analysis is under "Analyzing data"
- Summarizing and looking for patterns in feedback is categorized as "Analyzing data"

When reviewing the use cases presented in this report, remember that generative AI is probabilistic. Success with tools like ChatGPT depends on factors such as one's goal, the model's capabilities, prompt quality, and the amount and relevance of input data. For example,

while context to a model is useful, providing too much text or data can exceed the model's context window, which may reduce performance or cause loss of important contextual information.

Conventions and Reading the Feedback

A participant's feedback may be included in different use case categories (such as "Analyzing data" and "Coding"), but the same participant's feedback is only shared once in a given use case category (i.e., a participant should not have more than one piece of feedback categorized under "Coding").

The following conventions are used in presenting the feedback:

- "____" indicates redacted information or where the respondent put in a placeholder (e.g., prompting the model to "consider risks related to X, Y, and Z" would be revised to "consider risks related to ____").
- "[example]" indicates redacted information but provides an example of the type of information that would be entered. For example, "Used Deep Research to create a review on [topic]..." indicates the participant's prompt was about a specific topic of interest while not disclosing what the research was related to.
- "... " indicates omitted content, whether a phrase or multiple sentences.
- Content in quotation marks is direct text from the participant's response, although changes were made to fix grammar, spelling, or improve readability.
- Content not within quotation marks is a paraphrase or summary of a use case, not in the respondent's own words.

For a use case category (e.g., "Writing"), either the description of the beneficial use case or the prompt will be shared from a response. In cases that both are shared, the description of the beneficial use case will be followed by an indented sub-bullet that has all or part of the associated prompt.

Advice on Working with ChatGPT

Before presenting the use cases by domain and use case category, there is some general feedback participants shared about how they found ChatGPT Edu helpful (or not) and how they approached using it.

- "For designing and developing materials and documents, it was especially helpful to jumpstart work."
- "Asking ChatGPT to ask me for additional questions and prompts has helped tremendously."
- "Ask ChatGPT to lend its expertise in writing prompts for specific goals and then use the created prompts again with ChatGPT."
- "I used ChatGPT's responses as drafts or scaffolds, refining them into final deliverables. It helped me brainstorm faster, organize my work better, and move projects forward much more efficiently."

- “The drawback to using it like this is that I have found myself going into edit-mode - reworking/rewriting what ChatGPT offered instead of still thinking ‘big picture’. However, now knowing I do that, I find that if I walk away and then come back to it, I have better eyes for the important aspects and can pull those out.”
- “ChatGPT has been transformative for my work. It helps edit my emails for clarity and simplicity. It turns rough meeting notes into clean, organized versions ready to share. It explains complex topics in clear language for stakeholders. It also helps create tables, turn rough ideas into actionable plans within one or two prompts, and overcome starting obstacles that usually slow work down.”
- “...to me, adding more detail in the prompts helps craft a more useful response. If I provide quick and general prompts, it will still try and sometimes succeed in giving me something close to what I wanted. In most cases, however, quick prompts provide a very surface-level response that is less than desirable. As a result, that makes it difficult to ‘provide examples of useful prompts’ because they are very lengthy and usually require follow-ups that can guide ChatGPT to the most useful responses.”
- “I tend to stay away from utilizing ChatGPT to directly influence course materials. I feel that if I’m asking students to not turn in generative AI work that I need to also not present them with a generative AI impacted course. I’m not saying use of generative AI for these purposes is unethical, I just have a preference to show students that I’m following the same expectations that I have of them.”
- “Telling ChatGPT that it is an expert in something has not (in my experience) made the answers better, you’ve just told ChatGPT how you want it to speak to you. Approach interacting with ChatGPT as a conversation, speak to it the same way you would a person - give context, ask questions, allow for information to be exchanged in chunks so that ChatGPT has multiple opportunities to adjust to new information.”
- “ChatGPT was helpful to bounce ideas and see what responses would be generated. It was similar to having a conversation with a colleague to openly explore options for various ideas.”
- “I usually use ChatGPT Edu for brainstorming and ideation when I have a general idea in my mind already. I found it won’t help much with either the high-level or very detailed brainstorming. I usually use it to fill up idea gaps or justify my ideas.” (GRA)
- “This is the power of ChatGPT--any time it can provide a seed. It can help you capture what ideas are out in the Zeitgeist without having to read multiple textbooks. I gave an in-depth overview of my topic and then, through conversation, exposed it to limitations, asking it to adapt as we go. This was helpful for proposal design and experimental design.”
- “I tell it that I am a researcher at a research 1 university. I tell it what granting agency it is from and what it has a Ph.D. in. I also tell it about its expertise. I don’t ask it to ‘help me generate ideas.’ I find that I get lazy responses. Instead, I have it assess a baseline idea, provide feedback, and then build on it based on my needs.”
- “I will repeat here my lessons learned: 1. Ask the tool to teach you how to use it for new approaches 2. Make sure you know your data really well before using the tool – I was able to validate that it did not have hallucinations – I also knew what I was looking for 3. Take time to develop the questions – if you have a coding template already done it helps

a lot 4. Make sure to identify your targeted end result – it helps to guide the discussion rather than just ask “what are the key themes in this transcript”? 5. Don’t be afraid to ask more complex questions that require reasoning (i.e., for the organizations that present concepts of privacy resilience, what has led them to that? and can others who do not present concepts of privacy resilience achieve it? How? 6. It is annoying that it always starts answers with “Yes” “Absolutely” or “Excellent question” but take the time to read the answers thoroughly 7. Try to ask for infographics of findings – some are pretty useless – more table like but others are quite interesting. 8. If you ask about where your research answers gaps in the literature, push to get actual citations – ask more than once.”

- “You have to be as specific as possible when you're asking it to write something, that's the only advice I have. The choice of prompt seems wholly insignificant.”
- “While ChatGPT would frequently offer 'ready-to-go' templates to get started from, these rarely worked in my experience and did not offer me the opportunity to understand the details of the implementation as fully as I would like. Instead, I found the most success using an iterative, trial-and-error approach. When I encountered problems, I would feed the exact error message to ChatGPT, but its ability to suggest viable solutions hinged largely on how verbose or precise the error message was.”
- “One caveat is that the Deep Research tends to cite the same paper repeatedly, but if you look closer into the links and papers you'll find that paper cites many other papers for each point the deep research gives. This just necessitates further exploring the output of the model and using ChatGPT as a starting point or assistant, not the end all be all.”

Administration and Operations

Half the participants primarily used ChatGPT Edu for administrative and operational tasks. In administrative functions, participants used ChatGPT to draft and revise various written materials—including policies, memos, reports, and marketing content—as well as to summarize or simplify lengthy documents such as meeting notes, transcripts, email chains, and reports. The tool also served operational needs by assisting with coding and debugging, brainstorming strategies for events and program initiatives, and composing emails. Participants frequently relied on ChatGPT to search for and interpret concepts, regulations, and policies, particularly when identifying relevant sections within extensive policy documents. Additionally, the platform supported design and development work through training material creation and facilitated data analysis, especially for qualitative feedback.

Summarizing, Searching, and Synthesizing

- **Summarize meeting notes and transcripts**
 - “Summarize these meeting notes and provide me with an action list of items that I need to focus on as a result of this meeting.”
 - “I used this function to summarize meeting minutes prior to doing a full read through. Having the highlights helps me focus as I move through long notes/minutes.”

- "...to provide meeting notes from transcripts. In some cases, these were meetings I could not fully attend. In that instance, it helped me get a sense of the main points of the meeting."
- "Review the transcript and create an outline with topics, highlight the timecode for the most relevant sound bites about the topics - helped go through hours of transcription data."
- **Summarize documents, reports, and long-form content**
 - "Summarized an extensive list of federal regulations that pertained to one of our contracts. ChatGPT effectively and succinctly provided a significantly abbreviated version of the high points I needed to know."
 - "Beneficial for summarizing long reports such as the college's new strategic plan and what areas were most relevant to our department."
 - "Creating descriptive sentences that summarize in one-sentence news articles about new research for use in article descriptions for metadata in the CMS or promoting the stories in the Virginia Tech News Daily email."
 - "Synthesize handwritten field notes for course observations into first drafts of observation letters for instructors."
 - "Copy/paste email thread and ask for a breakdown by participant."
- **Simplify complex policies, procedures, and technical documentation**
 - "Explain this policy or regulation in simple, clear terms. Highlight any important rules or exceptions I should be aware of."
 - "Act as a policy analyst, in this report, select the texts that talk about ___ and ___. Make a list of what you find with no more than 30 words each..."
 - "I created a GPT that referenced all of the documentation for ___ documentation ... This was crucial as there were thousands of pages of documentation. I was able to quickly get an answer instead of having to read all of the documents."
- **Search peer institutions, policies, and best practices**
 - "You are a consultant assisting with developing ___ for Virginia Tech... gather detailed information about the service offerings of universities that are peers of Virginia Tech."
 - "Retrieve retroactive funding change policies at other public institutions in the southeast); what is the industry norm for handling ___."
 - "Please use an internet search to look for other... schools that have staff and faculty awards related to collaboration."
 - "Searching for relevant policy information, and creating sample directives."
- **Compare, analyze, and synthesize across multiple sources**
 - "Most beneficial was asking for summary information about multiple research projects for a news story. Wanted commonalities to help with writing intro for a story as well as headline, subtitle."
 - "Finding commonalities or differences between documents."
 - "Quickly obtaining synthesis of regulatory requirements for specific regulations and information related to enterprise risks has been helpful..."
 - "I am investigating how views on followership have shifted over time ... Present the findings in a comprehensive report with an executive summary."

- **Generate concise outputs for marketing and communication purposes**
 - “I used ChatGPT frequently to help streamline creating posts for our social media channels ... it still saved time and helped distill long documents into short enough snippets to make social posts.”
 - “Please summarize this article for a social media post caption, make it scholarly but approachable.”
 - “Creating descriptive sentences that summarize in one-sentence news articles about new research for use in article descriptions for metadata in the CMS or promoting the stories in the Virginia Tech News Daily email. ChatGPT does tend to overgeneralize, but it's a useful starting point.”
- **Support advising and career exploration**
 - “I am an academic advisor for ___ students... can you provide me with the best fit major and some reasoning behind that recommendation?”
 - “This has been a helpful tool for searching out careers, job titles and skills needed for students. I have used the search feature the most when working with students, especially if they are wanting to find out more about a career that would combine multiple interests or skills.”
 - “Provide me a summary of possible state government jobs ... create a table of United States federal government agencies ... give me some resources for a student who is job hunting for positions in ___.”

Brainstorming and Ideation

- **Solve problems and unblock work**
 - “I used it to brainstorm ideas when I would get stuck or to get started more quickly. I did this around event planning and college student engagement activities.”
 - “You are a consultant in educational operations. Based on the issue that ____, brainstorm potential solutions we could implement within existing staffing and budget constraints.”
 - “I have a Power BI dashboard that displays ____. I would like to create an application that would allow the user to make adjustments to ____. I anticipate the use of an HTML dialog form for requesting the information. Describe how that system might be designed.’ The next prompt was: ‘First I’m interested in how this might be built using Google sheets for the form data, and a Google web app for the HTML integration’ Using this approach I’ve been able to study options and choose a ‘best path’ from the suggestions and re-prompting for additional steps.”
- **Brainstorm plans, programs, and strategies**
 - “Brainstorm on the elements of a business development plan, marketing plan and curriculum plan for different focus areas.”
 - “I have used ChatGPT to help with brainstorming commission and committee workplans. Provided potential goals and asked for themes and summaries.”
 - “How would you come up with a modern disaster recovery strategy for ___...?”
- **Check and refine work**

- “Analyze the following survey plan and point out any deficiencies or skipped steps.”
- “You are a digital media expert; how would you evaluate this campaign budget and outcomes? Are there any gaps or room for improvement?”
- “You are a program evaluator for [accreditation organization]... help provide feedback for our assessment process given the attached process document.”
- **Brainstorm new program and initiative development**
 - “You are an expert in ___ program design. Based on these challenges (low STEM participation, high cost barriers), help me brainstorm creative strategies to boost participation in underrepresented majors.”
 - “It really helped me to start brainstorming around new initiatives for our program. It did not bring us to the finish line, but was very helpful in providing a very well-structured and actually quite accurate point of departure.”
- **Generate marketing and communications ideas**
 - “Great way to think of stories, how to approach them, and build social media content.”
 - “Most beneficial so far has been generating content ideas for the college’s new website, as well as some text... Ideas became inspirations for the text I wrote.”
- **Brainstorm titles, names, and headlines**
 - “Please help me come up with title options for this session that includes ___.”
 - “I wanted help coming up with a name for a newsletter... catchy, but still scholarly. We’re still working on it, but it’s been great to toss ideas back and forth.”
 - “I need a few names for a service program responsible for ___”
 - “You are a brand manager for the team and we are creating social media content for the brand. Give me some names that mean ___ or have similar context for the social media handle.”
- **Generate ideas for interviews, hiring, and student support**
 - “I used ChatGPT to assist in developing interview questions... tailored them to the position.”
 - “The candidate pools we’ve been seeing are quite different in contrast to those of the past, and the committee wanted to get a sense of not only their work experience, but their behaviors, and cultural fit. I revised the questions to include a combination of the three... hoping to shorten the hiring process by having well-tailored interview questions that contribute to a more efficient hiring process.”

Writing

- **Revise and edit writing**
 - “My most beneficial use of ChatGPT Edu for writing was for editing. I found myself using ChatGPT to edit email drafts for me with a prompt of asking it to make it more cohesive while maintaining a polite and professional tone.”
 - “Helping find errors - style and grammatical; suggesting better phrasing; coming up with headlines and subheadings...”

- “I often use ChatGPT to make my writing clearer and/or more concise as well as to create a more logical organization of ideas. I have used it often to help develop memos, executive summaries, student/family communications, policy and procedures, and training materials. I will usually put in an outline of what I need or, if there is an old draft I am updating, that old draft.”
- “...revising or making text more concise. For grants there are often character limits. My department will write the grant and include all of the ideas with no care for the character limits to ensure we get all the necessary content down on paper. We will then use ChatGPT to help make the writing more clear and concise without changing meaning. While not perfect, it gives a good idea of areas that might be redundant or might not enhance the argument. Also helps with word choice and phrasing to shorten otherwise longer ideas.”
- “I mostly use it to improve emails for clarity, team reports, and social media captions.”
- “I am a strong writer, but ChatGPT Edu helps make things just sound better. It helps adjust for tone. It also helps when I am very tired or overstimulated/overworked and just cannot make things sound their best. I use it a lot for revision.”
- “I often use ChatGPT as a proofreader and editor. It can also be helpful to quickly recast or shorten content.”
- “I need to cut 1000 words out of the project file. Could you please read it and suggest entire paragraphs and/or sections that could be cut without significantly altering the content. I'm particularly hoping to find redundancies that could be eliminated.”
- **Draft communications and documents, especially administrative or strategic documents**
 - “I significantly save time when writing documents by using ChatGPT. I provide the main ideas in bullet points, and then ask ChatGPT to turn them into well-written paragraphs.”
 - “Excellent tool to create initial drafts of policies, standards, guideline documents as well as email drafts. Sped up the document creation process significantly for me.”
 - “Served as a starting point when drafting announcements, complicated emails, and tutorial scripts.”
 - “I've had needs for communications like updates to current projects, service proposals, decommission notices, or professional development notices that I've had success using ChatGPT to help me draft.”
 - “The most beneficial uses for writing for me were for things like creating Standard Operating Procedures, having meeting notes analyzed and to do lists formed as a result, creating impact reports for donors, rewriting documents, and copyediting.”
 - “ChatGPT helped create initial drafts of potential newsletter, social media, and story content. It also helped with potential interview presentations and formatting.”

- “Compile and summarize _____. Now take this summary and draft it in the style of _____ accreditation standards for site review.”
- “I am in the process of rewriting the performance competencies for a broad application and to align with current mandates. Not only did I have to adjust them, I also wanted to organize them better, so I uploaded our staff competencies and shared context for a similar style to what I was looking for from another higher education system. ChatGPT identified the structure and layout of what I was going for, aligned our staff competencies into the structure, and then prompted a shift here and there to get it to where I wanted. I then applied the results, not verbatim, but as a basis for updates.”
- “As part of... transition to a new data system for my program, I sent out weekly email updates to our program faculty. I would often write content using ChatGPT for streamlining the text, making it more catchy, or suggesting phrasing that touched on the ADKAR organizational change management framework. I might have ChatGPT start from scratch, but sometimes I would give it a draft of the text I had already started. I would ask it to refine with different phrases or change the tone. I'm not sure it always made the process shorter but it made the product better in the end--I have received a lot of positive feedback about our communications.”
- “I've found ChatGPT to be a helpful timesaver in drafting job descriptions for new positions. I uploaded existing position descriptions and ones obtained from peers. Additional prompts asked for emphasis on specific areas, which was helpful. This gave a solid starting point to fine tune the position description for posting at VT.”
- “Using the field notes provided and information in your knowledge, please write a _____ observation first draft. This prompt was provided after creating the GPT, uploading several writing samples of mine into the knowledge document, and designing the process.”
- “I used ChatGPT to assist with brainstorming and drafting content in my faculty activity report. I supplied a description of what I had done with some quantitative evidence and prompted ChatGPT to summarize these statements for clarity and professionalism. Then, I went back and added supplemental/more specific details to tailor the output to me personally.”
- **Adjust tone and style**
 - “...I found it useful to take suggested post copy in social media toolkits to match the style and tone and create unique alternative caption ideas. I would usually ask it to create captions in specific tones (approachable, scientific, educational, friendly, etc) which was helpful and helped tailor its output to the specific college or brand I was creating posts for. I was able to have it suggest relevant emojis as well.”
 - “Take these example social media captions entered below and create 3 additional alternatives that match the key messaging, tone, and intent. Use the same hashtags and emojis that are included in the toolkit.”
 - “...‘Please help me make this sound more friendly: I’m reaching out to ask if there is a reason that our office was removed from the approval chain for this job?...”

Please let me know if there's something that I've missed, or if this may have been an oversight.”

- **Adapt to specific audiences or formats**
 - “I used ChatGPT to help draft emails, announcements, and web content that translated legal and institutional language into clear, student-friendly messages. For example, I input summaries of executive orders or internal policy updates and asked ChatGPT to rephrase them in plain English while maintaining factual precision.”
 - “...generating alt text for images by simply uploading the image, telling ChatGPT the specific ADA Title II standard it needs to meet, and it generates nearly perfectly accurate alt text... making the alt text even more meaningful...”
 - “...generate a newsletter paragraph within a specified number of characters in AP style for a specified audience using information from provided URLs.”
- **Critique or provide feedback:**
 - “Review this document I have written, what sort of questions would a reader have about the document?”
 - “We created a GPT for ____... hugely beneficial for us to edit and redraft stories.”
 - “...help brainstorm analogies, synonyms, and idioms to swap out awkward phrases in my own writing. I usually feed it sentences and paragraphs I wrote, and ask for synonyms/analogies for one of the phrases...”

Designing and Developing

- **Develop and structure administrative documents or materials**
 - “Developing a mission statement, problem statement, strategy and goals.”
 - “Developing a strategic plan with key metrics and a future staffing plan - using ChatGPT isn't perfect when proposing a strategic plan, as it doesn't know all of the specific goals, KPIs and day-to-day business operations of the organization, but it provides an excellent starting point for discussion and reactions.”
 - Contextual refinement of strategic plans (e.g., suggest updates based on emergence of generative AI, recent changes to federal funding).
 - Position descriptions and corresponding interview questions: ‘Give me a description for a program coordinator role with the duties listed below’ I then list out all the responsibilities and duties needed for the position for ChatGPT to write a formal description.”
 - “Developing RFPs and SOWs with ChatGPT was somewhat helpful. It would pull a high volume of technical information from the web and provide a draft.”
 - “Turn complex technical information into clear, professional reports and presentations by organizing my ideas and refining the language for clarity and impact. I usually provide rough notes, data points, or slide outlines, and it helps structure the content, suggest visuals, and ensure the tone matches my audience.”
 - “My workflow for live streamed events generally looks like _____. Organize these procedures in three different checklists: one for 2 weeks before the event, one for rehearsal, and one for the day of the event.”

- Etiquette guidelines, such as scripts for answering phones.
- Guides for students to write Statements of Interest for lab applications, Satisfactory Academic Progress (SAP).
- Marketing plan: “This report speaks to market analysis for ___ program. Pull the key points. Use those points to create a marketing campaign. What factors will skew that campaign? What factors should be taken into consideration with this analysis?”
- “I asked ChatGPT to generate a service agreement template. I provided the logo, relevant fields, fees & payment information, terms and conditions, budget info, and signature fields and it formatted a VT-branded Word document. While the finished product isn't exactly in final form, it was extremely helpful to be provided with a document that can be fine-tuned for a clean/professional template.”
- “ChatGPT has been beneficial in helping create post-event reports. I uploaded registration reports, post-event survey feedback, budget information, and general planning information. I asked ChatGPT to create a post-event report outline to use in creating my report. I had ChatGPT analyze the registration reports to provide data regarding attendance demographics. I uploaded the post-event survey responses to summarize and better understand the feedback and share areas of improvement.”
- Presentation content, overview, outlines - “provided abstract, learning objectives, time limit, and bulleted points that I wished to emphasize, also asked for speaking notes in my voice.”
- **Plan and manage projects**
 - Create project plans, timelines, and milestones.
 - Create business cases
 - Break down larger projects into sub-projects.
 - “created outlines for ___ plans and created a timeline for projects given the date ranges.”
 - “I uploaded a grant project proposal and outcomes section, please create a phase outline for a four year grant.”
 - “Give me a detailed step-by-step plan to do _____. Model it on this comms plan template.”
 - “Meeting Agendas: I wanted to achieve clear, concise, and professional agendas for meetings surrounding difficult topics. I input the issues needing to be addressed in the meetings, ChatGPT generated the agenda, and, with a couple of edits for clarification, I used the agenda to guide several productive meetings.”
- **Support training workshops and professional development**
 - “Turn instructions for training into multiple formats, including slide content and a flow chart diagram.”
 - “Providing a session description for a training or speaking engagement yielded very good results for providing a high level outline, appropriate visualizations, case studies, mock presentation slides, and speaking notes.”
 - “Create an interactive activity for me to do with freshman college students to learn about resumes and cover letters.”

- “generate interactive pieces to resumes, STAR interviewing and Clifton Strengths presentations.”
- Staff development: “We are trying to design expectations to get our A/P staff to think more like leaders and not just contributors... I first took a document that I had written a long time ago about what it means to be A/P. I asked ChatGPT to analyze it and re-write it using current terminology and best practices. Once it re-wrote those, I asked ChatGPT if it could identify the skillsets needed to be a leader in each of these areas. Then I asked it to take the skillsets and identify how a contributor looks like in each skillset and what a leader looks like in each skillset. We used this to ask the affected staff which skillsets they needed the most assistance with. We are using that to better develop our A/P staff members.”
- “Developing SMART goals for staff and integrating the roles in a matrixed way.”
- “I am going to give you... different content that we are using to build our ___ Program. What I would like for you to do is: Acting as a ___ professional, analyze the information and then organize it into a presentation. This presentation should serve as the first introduction to the ___ process that we are building. The audience is ___ and the presentation will be presented virtually.”
- **Design surveys, rubrics, and feedback tools**
 - Write and review survey questions (open-ended, likert).
 - “Using the information at this website and the attached documents, create a rubric that evaluates the following: ___”
 - “Provide three discussion questions to address this purpose using interactive discussion approaches.”
 - “...help create a rubric for an award based on literature, call for applications, and anecdotal content in less than 5 minutes. Normally that would have taken me a day to go through everything, find overlap, and prioritize key ideas.”
- **Generate visuals and infographics**
 - Create presentation visuals.
 - “Graphics... this has actually been the most transformative use, especially with the most recent updates/enhancements. I have generated incredible graphics for use in various contexts, ranging from use in meetings to a new graphic element for our lab group...”
 - “I used ChatGPT to create a process-flow infographic based on a collaboration agreement between parties for the launch of a new ___ program”
 - “As a project planner, create a new infographic that visually shows each project milestone in sequence based on the project plan (attached). Include the responsible parties, key milestones, and sequence of events in the infographic.”
 - Develop heraldry for a campus building.
 - Turn images of a flowchart into steps.
 - Design a T-shirt logo.
- **Assist with user stories and personas**

- “I wanted to create user-stories such that I can use them in text format to create the application. The user stories needed to take care of all the functionalities of the applications. I gave the input to ChatGPT by explaining in normal language: 1. What does the application do. 2. What is the user persona and how they use this app. 3. How users are related to each other, if related in any way. 4. What access each user has. ChatGPT created professional user-stories. I could use those to develop an application step by step.”
- “I’ve struggled with making user personas and ChatGPT knocked it out of the park...”

Coding

- **Debug and troubleshoot code**

- Speed up the debugging by explaining errors or unexpected behavior.
- “By far the most beneficial use I had was running through various iterations of solving a problem with code and testing them rapidly. Problems that could have taken me multiple days to solve in this manner I was able to reduce down to a few hours.”
- Identify correct dependencies to install (e.g., error messages due to incorrect Redhat repositories being installed for mod_auth_cas installation).
- Solve accessibility issues with sites and interfaces.
- “I used ChatGPT to develop and help troubleshoot an ISORA script to upload a CSV of assets to the ISORA system.... I used ChatGPT to create several scripts that helped me test a new high performance compute cluster that I was developing.”

- **Generate, refactor, and document code**

- Produce starter code and skeletons/scaffolding: “Getting a coding project started was always the largest timesink for me and this does the skeletons/scaffolding tailored to your design specs making getting up and running so incredibly fast”
- Translate code between languages (e.g., Python to R, DAX to PowerQuery)
- Generate API methods (e.g., quick creation of POST method).
- “I’ve been using ChatGPT Edu for updating bash scripts and Ansible playbooks and snippets for my Infrastructure-as-Code projects.... I also find it very useful to provide comments and readme updates on existing scripts”
- “code for configuring Dell Switch VLAN , ports assigned, IP address, and security settings, etc...”
- “I was able to generate lines I never could have written that facilitated processes I would not have been able to use on my own.”
- “...I have used ChatGPT for generating some Powershell Scripts, and some Javascript to use in Ensemble”
- “I have this code that does X, refactor it and add the following feature(s): ____’
- “I frequently leverage it to generate Python scripts for data cleaning, providing it with raw data snippets and desired transformations, which saves significant time on repetitive tasks. Additionally, I utilize it for optimizing existing code, particularly

to refactor and group functions for easier reusability, making my projects more modular and maintainable...”

- “I needed to find the correct syntax for reading and writing data to Amazon S3. I prompted ChatGPT Edu for the code to read and write CSV files from S3, and the provided solution worked flawlessly without any issues...”
- “I used it for generating complex SQL queries, and for assistance with more complex syntax and functionality. In some cases I gave it a general idea of a table structure to get a framework for how to structure something. In other situations, I gave it sanitized or manufactured data and asked it to help build parsing code (regular expressions, SQL string functions, etc.) to extract critical information from lines of data and provide it as if it were column-based database data.”
- **Develop applications and interfaces**
 - Developing several prototype tools (and associated workflows) to help solve cumbersome processes (e.g., log student attendance which required manual processing and collating involved in collecting attendance data).
 - “I was incorporating the Google Chart API into some pages for _____. I was trying to work on the project by myself until I was asked if I could finish my work within a couple of weeks. I decided to plug some of my Javascript into ChatGPT along with a design mockup from a graphic designer. Through a progression of prompts and my own coding work, the project was completed in time.”
- **Create formulas and spreadsheet logic**
 - “write VBA macros to automate some features within Excel such as consolidating 30 sheets into one; or to grab the names of sub-folders, or to search all subfolders to return a list of files.”
 - “A successful one was multiple formulas strung together to find the latest version completed of a performance evaluation - saved me so much time!”
 - “Help with formulas for Google Sheets and Excel, especially writing formulas or providing example formulas.”
- **Log analysis and search queries**
 - Create code to automate processes and analyze logs.
 - “I found ChatGPT useful in quickly creating and modifying Splunk search strings used to assist in log analysis. ChatGPT is good at taking natural language inputs and returning useful search strings that provide the required logfile output and details.”
- **Support infrastructure, systems, and security**
 - Automate BigFix package creation and relevance expressions.
 - Create a GPT which can create BigFix Tasks or Fixlets and determine relevance code for machines.

- **Other**
 - “Another valuable use for ChatGPT Edu is generating mock datasets based on specific variable descriptions and data types. As a data analyst, I input detailed descriptions of desired variables (e.g., '[person] ID, application date, source channel, experience'), and it produces structured dummy data. This is immensely helpful for testing data cleaning scripts, building initial dashboards, practicing new analytical methods, and creating tailored examples for demonstrations, saving significant time and effort.”

Analyzing Data

- **Analyze surveys and feedback**
 - “I used interview answers from multiple people and asked for the main themes in the responses.”
 - “ChatGPT Edu has significantly benefitted our team's work to summarize, code/label, and analyze qualitative stakeholder feedback data. This data is captured during in-person sessions and text analysis previously done was still a lengthy process. ChatGPT does this in minutes and is very responsive to revisions or adjustments to how it conducts the process. Feedback analysis is very iterative but ChatGPT can apply modifications to the output in little to no time. We also encourage and require ChatGPT flag results for review when the analysis may need more human validation and our clients responded well to these safeguards.”
 - “I used interview answers from multiple people and asked for the main themes in the responses.”
 - “...Attached are three documents. One document contains the focus group questions and the other two are transcripts. Can you eliminate the questions asked by the moderator from the analysis and then summarize consistent themes that appear in the students' responses?”
 - “I uploaded post-event survey responses to have ChatGPT provide different summaries of the feedback and to highlight areas of improvement. I uploaded ___ information, excluding PII, and asked ChatGPT to analyze the data to provide insight on attendee demographics.
 - “Our office has been using ChatGPT to summarize feedback sessions in the strategic planning process. We have learned how ChatGPT is able to synthesize the feedback, label and group common themes as well as rate the feedback for sentiment. It has also been able to generate the data into the desired format - Word, Excel, etc.”
- **Summarize and describe data**
 - “Given this dataset (provide anonymized dataset with no PII), provide descriptive statistics and a brief interpretation of what they suggest about the data”
 - “Analyzing data for trends to be used by decision makers. Uploading a file showing all past transactions and having it return a summary of payment types so that our team can better understand what we should prioritize.”

- **Identify trends**
 - “Identify trends within the attached data set. The goal of the marketing campaign was _____. I want to understand _____.”
 - “Analyze the attendance numbers for overall programs and also for each set of programs with the same names. What trends/patterns do you notice? Please visualize the attendance data in a graph”
 - “...provide me the top performing placements based on click through rate by ad size, please create a chart summarizing the performance based on engagement rate for this placement category only, please create a time series chart based on click through rate.”
- **Evaluate operational and financial data**
 - “I use ChatGPT Edu to analyze operational and financial data from service centers. My goal is to quickly identify cost trends, inefficiencies, and actionable insights. I usually provide rough data sets, exported tables, or summarized financial notes. ChatGPT helps by cleaning and organizing the data, creating clear tables, spotting patterns, and suggesting areas for deeper review. It also helps turn rough analysis into structured reports or executive summaries. This has allowed me to speed up my workflow, communicate findings clearly to stakeholders, and drive decision-making much faster than before.”
 - “We're required to report on ____ businesses to the Commonwealth and sorting through to properly identify ____ businesses from Amazon is a bear for data analysis. Historically, this has been a highly manual process that takes a week or two to finish by hand. With ChatGPT, we were able to automate most of the manual processes and spot check for accuracy.”
- **Analyze logs and incidents**
 - “Looking at this DNS log, rank the IP addresses by number of queries and indicate if they came from the VT range of IP addresses.”
 - “Given this CSV of linux system logs, identify and calculate similar logs with the intent of identifying similar or repetitive log messages.”
- **Other**
 - “I used it to analyze trends in [licensed exams/accreditation related exams]... for our accreditation report. I use it to analyze senior exit survey data and alumni and employer survey data for use in annual and cyclical assessment processes for program accreditation. It works well with CSV files, the ____ results are in CSV files, I can say, ‘analyze the ____ results information by topic area over the past 6 years and provide a summary of any trends.’”

Other

- Assist students as part of advising responsibilities:
 - Help students with time management: “If I give you my current class schedule, can you please generate a weekly schedule for me that includes my classes, meals, homework time, study time, social time, and sleep? I want the study time to be organized into 30 minute blocks dedicated to my STEM classes. Each STEM class should have 3 hours of study time for every one hour of class time. I

would also prefer not to work on the weekend, but getting adequate study time is a higher priority.”

- Help students with their communication: “As an academic advisor for first-year engineering students, I deal with a lot of students who are afraid to communicate with their professors and unsure of their writing ability. I will sometimes work with students to draft emails to their professors or write scripts for what to say during office hours.”
- “I would also use it to role-play in a case where I'd need to practice my communication skills in a difficult situation, etc.”
- Learning about topics or subjects.
- Manage and organize fixed assets data.
- Proofread writing that is embedded in code (e.g., proofread meta code in a web page file).

Scholarly Research

Approximately 30% of participants primarily used ChatGPT Edu for scholarly research activities. These researchers relied heavily on ChatGPT for coding and debugging, particularly in Python, R, SQL, and for general data-related programming tasks. For writing, they used the platform to draft and revise manuscripts, proposals, and grant applications. For designing and developing, ChatGPT Edu supported research design by helping craft survey and questionnaire items, and by assisting in the development of interview guides and research protocols. While ChatGPT occasionally assisted with quantitative data analysis—primarily to verify existing analyses—it proved more valuable for qualitative analysis tasks.

Researchers frequently leveraged ChatGPT, especially the Deep Research feature, to conduct literature reviews. The tool sometimes uncovered articles that traditional search methods missed, and its search capabilities helped identify concepts and potential research gaps. ChatGPT also served as a triage tool, summarizing and simplifying journal articles to help researchers quickly assess their relevance before committing to full reads.

Summarizing, searching, and synthesizing

- **Conduct literature reviews and find related work**
 - “The Deep Research and Search features were incredibly useful... I most often used this feature for quickly finding literature on topics I was unfamiliar with, especially for literature reviews.”
 - “I used Deep Research for a challenging literature search for a pedagogy paper. It produced results I was not finding through my own traditional search means. I wanted a broad survey of related literature, from any field...”
 - “I've used Deep Research to ask specific questions I would normally answer with a literature review. It did a great job of finding related work. Its summary wasn't great, but the sources were very helpful.”

- “I am writing this ____ paper, can you search for high impact journals with ____.
Focus on the last 10 years, but if there are fundamental papers from an older
time also show me.” (GRA)
- “I used it for literature review with Deep Research... found one very relevant
paper in a venue that I wouldn’t find by myself as it was published in a venue that
I didn't focus on.” (GTA)
- “I use ChatGPT Edu primarily to search for references and related work in ____,
especially when exploring specific topics or preparing literature overviews. I
typically provide a research question or description of a ____ model, and ask for
relevant papers, authors, or recent developments. While it’s been helpful for
summarizing known concepts or outlining connections between areas, I’ve
noticed that some references it provides can be incorrect or fabricated. As a
result, I use the responses as a starting point, and verify citations independently
through academic databases.”
- “The Deep Research feature is totally transformative. It actually makes complex
searches finally possible, and it does a lovely job in creating lengthy and nuanced
responses. For example, I had it look up the political climate of two different
countries on a particular topic to help me decide which one to apply for a
Fulbright to, and it gave a really deep, 'thoughtful' answer with lots of source
links.”
- “I particularly found the Deep Research tool helpful in quickly understanding prior
work on a particular topic and identifying papers to review and include in
literature reviews.”
- “I’ve used Deep Research to ask specific questions I would normally answer with
a literature review. It did a great job of finding related work.”
- **Identify research gaps and propose directions**
 - “Using AI to determine research gaps based on a specified topic.”
 - “Analyze the attached scholarly papers on ____ to identify well-covered
areas, uncover research gaps, and suggest future directions based on
underexplored questions or inconsistencies in the literature.”
 - “I also used ChatGPT to summarize gaps in scholarly research... the sources
were helpful even if some citations needed verification.”
 - “Do a detailed literature review... Give me the gaps in the current literature”
 - “I used it to brainstorm research ideas and to identify holes in the research or
areas that theories have not necessarily been applied previously.”
- **Summarize complex papers, proposals, and dissertations**
 - Provide an overall summary of a dissertation; summarize and explain methods
sections.
 - “Please read this article and summarize... in below format 1. goal of this paper, 2.
gaps they are addressing, 3. methodology, 4. results” (GTA)
 - “I can definitely see the benefits of ChatGPT for summarizing articles or books
that I am not sure are relevant to research articles I’m writing.”
 - Create one-page grant proposal summaries and manuscript abstracts.
- **Scope unfamiliar topics rapidly and build topic overviews**

- “I used the Deep Research feature to explore new topics I am unfamiliar with. The summaries and references... broadened my knowledge base.”
- “Summarizing the most important discoveries that impact a field of research in the last 10 years.”
- “Please generate a summary of some recent research on diffusion models.”
- “The most beneficial use of ChatGPT for my research papers is its ability to do a 'Deep Research' to find prior work that is similar or related to what I am doing that I may have missed doing my normal Google searches. Once I get a list of additional related papers I can download those papers and read them and filter through the work to determine appropriate additional citations for my work. Using ChatGPT for this purpose drastically improves the quality and completeness of the 'related work' section of my papers and can be done very efficiently.”
- **Identify and vet sources, citations, and key authors**
 - “Find me the best citation for these qualitative research strategies ____.”
 - “Identifying the most influential/cited authors on specific theories/concepts... and explaining how they relate.”
- **Generate effective search strategies (Boolean strings, query design)**
 - “I need to develop a Boolean phrase to look for studies that address research evidence used by decision makers or policy makers or similar to address issues related to _____. Could you create a Boolean phrase for this purpose?”
 - Drafting targeted prompts to surface review papers, niche subfields, and cross-disciplinary work more efficiently than general search engines.
 - “Used it to do searches I would typically do using Google — but with more refined and specific results.”
- **Synthesize across domains and evaluate novelty**
 - “Connecting and summarizing work across topics that might not be obviously connected... efficiently and accurately.”
 - Build comparative summaries and tables (e.g., algorithms, theoretical frameworks, metrics): “Here is the code for my new algorithm and here is an article that I think does something similar. Can you tell me if my new algorithm is novel and if it has any advantages over the algorithm described in this paper.”
 - “...I have used Deep Research to assess the current state of intellectual property in a field...”
- **Support discovery in regulated and specialized research domains**
 - Regulatory/legislative scans: identify applicable laws, standards, and specific clauses by jurisdiction: “Used for identifying relevant legislation (name and specific clause)” and “What laws and mandatory standards are applicable in [jurisdiction]. Provide the name of law/standard and specific clause that applies to this situation.”
 - “Used Deep Research to create a review on [topic]... helpful where no recent dedicated review exists.”
 - Locate scales/instruments: “find me scales to measure ____ from a reputable journal... Can you tell me the items for ____ scale?”

- **Build structured review artifacts and comparative matrices**
 - Review scholarly papers, generate concise summaries, and categorize them by topic: “1. Review the attached scholarly papers, generate concise summaries of each, and categorize them by topic to produce an organized thematic overview of the literature. 2. Analyze the attached scholarly papers on [topic] to identify well-covered areas, uncover research gaps, and suggest future directions based on underexplored questions or inconsistencies in the literature. 3. Examine the attached scholarly materials and extract commonly used metrics, describing their application, frequency, and any variation in how they are defined or implemented across studies.”
 - Extract and compare commonly used metrics across studies; produce overview tables.
 - Turn exports (e.g., Scopus abstracts) into quick state-of-the-art summaries.
- **Support scholarly planning tasks adjacent to reviews**
 - Find external reviewers for promotion (field-targeted, non-identifying prompts): “I provide zero identifying data (just field & research foci, peer institutions, and instructions from the Provost’s Office).”
 - Identify relevant journals/venues and recent developments (e.g., PDEs) while noting the need to independently verify citations.
 - “Search N number of peer-reviewed papers under this topic. Make sure that the papers are published within the last N years.” (GTA)

Brainstorming and ideation

- **Generate research questions and topics**
 - “Generate potential research questions based on the topic ____, ... refine the first three... create a detailed outline.”
 - “What are the current unexplored or persistent challenges in ____? Please suggest potential research questions and suitable methodologies.”
 - “Generate a list of novel and interdisciplinary ideas related to ____, and briefly explore the potential impact, innovation, or application of each idea across different domains... Evaluate the feasibility and potential scholarly or practical value of the research idea ____, including a brief assessment of its originality, relevance to current literature, methodological considerations, and possible impact.”
 - “Evaluate the feasibility and potential scholarly or practical value of the research idea [‘research idea’], including a brief assessment of its originality, relevance to current literature, methodological considerations, and possible impact.”
- **Brainstorm grant ideas, aims, and fit**
 - “ChatGPT was very helpful as a brainstorming partner to help me develop/refine research ideas for grant proposals. This included quickly summarizing prior work,

identifying theoretical frameworks, thinking through research questions, developing interview protocols, etc.”

- “I used this to ask ChatGPT to review my grant and give me a potential percentage of chances of getting a grant and to identify areas of weakness to improve in my grant application.”
- “1. 'Generate a separate research aim focused on _____. Provide suggestions on how the budget can meaningfully support these activities.' 2. 'Create a study plan for the proposed research that is similarly structured as the attached papers.’”
- “I am working on a grant, so I asked for it to do a deep research on different related topics, identify past grants and projects that are related and help me generate ideas for a new grant that fit well and align with my expertise.”
 - “I am in the process of writing an _____ grant. Act as an expert grant writer with extensive knowledge on reviewing. Help me identify tips to increase chances of obtaining the funds. The document attached is an example of my research area that can be used as a starting point for the proposal...”
- “For several different areas of research, I have tried using ChatGPT in this capacity [brainstorming]. Overall, I would say that it provides a minimal benefit, but perhaps the most beneficial use was for a theoretical paper integrating research from _____ with research in _____. My goal was to extend this area of research in some specific ways, but I was having trouble determining how to connect the seemingly disparate concepts. I asked ChatGPT to think through how I might accomplish this task and walking through this topic with ChatGPT as a guide to help fill-in blanks and answer side questions was very useful. For example, I was able to quickly eliminate an area of research that seemed centrally relevant based on the titles and abstracts of papers, but getting a quick overview of the area from ChatGPT allowed me to see it was not a useful direction.”
- **Draft and improve surveys and instruments or protocols**
 - “‘Review this set of survey items and suggest any improvements to enhance clarity.’ ‘Provide a set of survey questions meant to measure X construct.’”
 - “Given these weaknesses in traditional surveys: _____, rewrite this survey question to avoid _____” (GRA)
 - “...prepare an interview protocol that asks about how they went about involving multiple sectors and actors across their state to _____. We want to hear about lessons learned, challenges, and gaps. The interviews must be no longer than 60-minutes. Can you draft a list of interview questions for me?”
- **Explore dissertation directions and anticipate defenses**
 - “Create a list of questions that my dissertation committee might ask me based on _____” (GRA)
 - “I gave ChatGPT really simple components of pieces that I wanted to include in my dissertation, like a research area, interesting variables, and a method I wanted to incorporate, and I asked it to help me create an in-depth, actionable research project out of it. It required many iterations of asking about feasibility, but it proved really effective for brainstorming. After every step, I asked it to

troubleshoot what the potential downsides were if I went forward with that idea to see how viable it was with my skill level and time frame, and for the novelty of the idea based on the literature.” (GA)

- Explore thematic directions related to dissertation. (GRA)
- **Brainstorm outlines, titles, and names**
 - “Outlines and list of issues and topics that might be involved in developing a grant or plan for research, where the topic is somewhat specific but generic enough to be fairly common knowledge and not cutting edge research.”
 - “...brainstorm topics and structure for various presentations on [topic]. I often provided it with topics and ideas, asked for further elaboration and additional topics or structure and then reviewed the information, putting my own slant on it. It was more like collaboration versus ChatGPT completely performing the work for me. I would often regroup or reword its suggestions to tailor to my needs.”
 - “Reworking the title of a paper”
 - “...brainstorm names for my research group.”
- **Design technical solutions under constraints**
 - “...When I was unsure how to structure a database schema, or needed creative ways to optimize a slow data pipeline, I would explain the issue in simple terms and ask for alternative strategies. ChatGPT Edu would suggest options I hadn't considered... allowing me to select and refine a direction more quickly.” (GA)
 - Generate ideas for how to design a system within a vehicle under certain constraints.
- **Reason through math problems and proofs**
 - “Drafting research mathematics.”
 - “I used ChatGPT to help me prove mathematical facts or come up with ideas to write proofs. I would tell it the conditions I am supposing and ask it what it can tell me about the object, or I ask it to try to prove things.” (GRA)
- **Interpret results and propose next steps**
 - “Describe results I saw in data and ask what it might be telling me... helped figure out experiments worth pursuing.”
 - “I described a set of results I saw in a recent set of data, and asked what it might be telling me... The back-and-forth following this question was quite useful, much like chatting with a colleague or a student, and helped figure out what the data might mean and what experiments might be worth pursuing.”
- **Provide feedback on proposals and reviewer responses**
 - “Can you review my technical proposal section by section and provide comments to improve its quality for NSF submission? The following outlines the idea I intend to propose in my technical submission. I would appreciate your feedback to strengthen it, suggestions for additional perspectives, and identification of any weaknesses or potential flaws.”
 - “I've received the following comment from a reviewer, and I'm trying to determine how to best adjust the findings section from the attached paper to address their feedback. Can you give me a list of specific changes I could consider to address this feedback: 'I think my challenge is that...’”

- “I put potential research questions for my dissertation into it and asked for feedback. The feedback was really helpful, and ChatGPT helped me write a prospectus outline.” (GA)
- “Use ChatGPT Edu for reviewing if I responded to particular grant requirements when preparing the Letter of Intent/Inquiry or full application.”
- “What background info should a book chapter on ___ include for the audience?”
- **Other**
 - “Generate ideas for research stimulus in audio news/podcast research; script ideas for prompts.”
 - “1) Trying to create ML model for predicting something. 2) possible explanation for the research observation. 3) Possible error in the methodology for the research.” (GRA)
 - “Critique statistical models” (GRA)
 - “It pointed me to multiple options to pursue. I also found it useful when hit a sticking point in a paper, or project where I was having trouble thinking creatively about a particular issue (title for conference submission, or test item)”
 - “Helping to find reagents and approaches for specific scientific questions/problems - one of my most common applications...”
 - “Give general guidelines on what to ask or look for when investigating a new subject; questions to find a niche.”
 - “Exploring ideas for a potential new project. ChatGPT provided feedback on my ideas and helped me expand my thought process...”
 - “Create a list of experiments that could be performed to show that ...”
 - “Identify possible agencies or projects that align with fellowship interests...”
 - “For my dissertation, I provided brief summaries of all of my results in a prompt and asked it to find any patterns or common threads that would be interesting in the discussion section of a paper. It provided me with some incorrect conclusions, but it also gave me really insightful connections that I had missed.” (GA)

Writing

- **Draft and edit proposals, grants, and abstracts**
 - “I use it to help craft proposals and to analyze other peoples proposals or papers from which I need to gather information about how it is structured. It is very helpful in editing material that I feed into it and making it more concise and easier to understand. I have used it to edit and help create grant proposals, craft cover letters, symposium proposals, and abstracts. For short pieces like symposium proposals or abstracts I usually enter a prompt with the information I want to convey and ask for a statement. I go back and forth with my own edits and feed this back into ChatGPT over a couple of iterations to fine tune it. For materials like grants I usually write the first few drafts and then have ChatGPT edit for active voice, grammar, and to make it more clear and concise.”

- “For writing research proposals I gave a block of my writing describing all the aspects important to, for example, an NSF document. GPT as a language model is capable of processing the styles of various types of documents. Providing it with a series of files of proposals formatted my text in a similar format. Mind you it was not perfect and required a rewrite by hand with additional user-provided context and details to fit the flow provided. GPT was also useful for LaTeX commands and formatting bibliography, by giving a snippet of code/.bib file and the intended behavior.” (GRA)
- I have also used it in my academic journal writing which has significantly enhanced the clarity with which the ideas are presented without the fear of the work being stolen and presented to someone else since the data is not shared/used for training their models. It has boosted my response times as well.” (GRA)
- “Have asked it to draft an intro/background for a journal paper, including references to several supplied articles. Did a good job of writing and a fair job of bringing in concepts (but from only one of the references I provided). I also wrote my own GPT to help morph transcriptions of lectures into LaTeX drafts for a book. Still perfecting this, but shows promise.”
- “Updating the language of papers and grants based on a reframing of the research objectives. I uploaded the old document and gave it prompts to identify sections that align with the new objectives and make suggestions for new language...”
- **Revise and polish academic papers**
 - “I have also used it in my academic journal writing which has significantly enhanced the clarity with which the ideas are presented...” (GRA)
 - Light proofreading during ideation (emails, papers, proposals) to quickly iterate on drafts.
- **Adapt writing to meet criteria or audiences**
 - “Rewrite this abstract for a finance audience and for an academic finance journal. Not to exceed 250 words.”
 - “My best outcome was I fed it a grant I wrote with a team and asked it for a 1-page project summary. The summary required minimal editing. Mostly, I give my best writing effort and ask for feedback. (I do not like it to write for me.)”
 - “Definitely useful when you have a semi-finalized product and you just need to bring it down in word count. It used to take me hours, but now takes me minutes.”
- **Draft letters of support and recommendation**
 - “I write a lot of letters of support/recommendation. It's incredibly useful to have ChatGPT summarize documents and then generate a first draft of a letter I can improve.”
 - “I was able to generate drafts for recommendation letters for several students. I enjoyed being able to enter pertinent details of how we worked together so that the draft could be more personalized... which then I found easy to edit.”
 - “I am a faculty member who needs to write a letter of recommendation for a student [insert description of how I know the student]. Can you write a letter of

recommendation for their job application [insert description] using the following information? This student is [insert description of the student, including notable characteristics, performance metrics, examples of students' work/performance/characteristics, etc.].”

- **Draft and polish professional and academic emails**
 - “One of my most beneficial uses of ChatGPT Edu for writing is drafting professional emails. I typically provide the key points I want to include, and ChatGPT helps generate a clear and polite draft that I can edit and send. This has been especially useful when I am unsure how to phrase something appropriately...” (GRA)
 - Helping to write difficult emails to students or colleagues.
 - “1. Email generation and polishing: I scaffold the email and fed ChatGPT with the placeholders to generate an email. Then I rewrote the generated email template with my voice and asked for a few rounds of rewording...” (GTA)
- **Improve clarity and style, especially for non-native speakers**
 - “I use it in pretty much all formal writing. Last semester, I submitted a paper to a conference and I found it very useful, especially as a non-native English speaker. Suggestions from ChatGPT made my writing much more professional and academic.” (GTA)
 - “As a non-native speaker, ChatGPT really helps in terms of wording, for daily emails, grant proposals, and manuscript preparation.”

Designing and Developing

- **Revise research materials**
 - “...revising some scenarios that were used in a survey to measure the respondent's exploitative intent (i.e., for research purposes). There were many nuances involved in what should and should not be present in the scenarios and we just gave ChatGPT the context and the constraints and it did a reasonably good job of revising about 15 different scenarios. We ended up using its version for many of them.”
 - “For focus group session, use the attached file to evaluate and revise flow and wording for more efficient facilitation.”
 - Design a session based on provided goals.
 - “...the most beneficial use has been streamlining or enhancing content. In conjunction with my nominator, we used ChatGPT to streamline my ____ text for each element on the form. This helped us be succinct without sacrificing impact - very important because of the page limit. It must have worked. I received the award...”
- **Cross-reference theories and concepts**
 - “I used it to help me cross-reference two different theoretical setups, especially to derive definitions where they overlap. I fed sections of the original theoretical texts and asked it to explain what would explain the intersection. I had it iterate tables that I eventually used in the final book.”
- **Generate and outline experimental designs**

- “I have found it useful for generating plans for certain kinds of experiments and even sketching out short protocols for experiments. ChatGPT is pretty good at establishing what kind of experiment is used by others for a given problem.
- “1) Identifying the important properties of materials using Deep Research 2) Designing framework for analyzing _____. 3) Developing a framework for ML tasks.”
- **Develop proposals and supporting documents**
 - “I need to edit the milestone sections to include some demos that are far enough away from phase transitions so that the sponsor can make intelligent decisions about whether to move forward with funding' 'Here is a proposal I am working on. Can you help me fill out the risks and possible mitigations?' 'Based on this slide deck, can you produce a 0.5 page summary of the _____ tool? Including key figures if you are able.’
 - “Given the timeline discussed in my NSF proposal, create a gantt chart...”
 - “Converting results of biotechnical design brief queries into usable documents”
 - Design evaluation and assessment plans.
- **Plan survey instruments and data collection**
 - “1. 'create a list of survey questions for this research that align with plainlanguage.gov recommendations' or 'create a list of survey questions for this research targeted at individuals at an 8th grade education level.' 2. 'Develop a study timeline that encompasses enrollment, consenting and data collection for X number of subjects.' A summary of the data collection procedures and data collection instruments was uploaded. 3. 'Develop a statistical plan and sample size calculation to evaluate differences b/w A,B and C criteria across X, products, Y tasks, and Z user groups. A, B, C are continuous variables.'...”
 - Create an evaluation plan.
- **Design research artifacts and visuals**
 - Generate images for social media that are designed to draw attention to academic writing.
 - Generate images for conference posters.

Coding

- **Generate statistical analysis code in data analytics and math-focused programming languages**
 - “I most frequently use ChatGPT Edu for generating code for statistical analyses in R... This was especially useful for my unique dataset with often needed nonparametric tests and ChatGPT can find the appropriate test far quicker than my current knowledge or googling.” (GRA)
 - “I used ChatGPT to help me generate R code to test my hypotheses for my dissertation. I created a project file, entered a description of what I wanted to test, outlined my hypotheses, and uploaded a seminal article on the methodology I wanted to use... it would offer me a few different solutions.” (GRA)

- “Generate code in STATA to perform data analysis: ‘How do I design a difference-in-differences test for the impact of ____.’”
- “I was working in a specific split plot analysis of data that I usually analyze in JMP. I used ChatGPT to create code for the same scenario and then I used prompting to get the exact analysis I wanted that agreed with JMP.”
- Create short code sequence in Mathematica.
- Generated VB code to randomly select 1 out of every 16 new cases on a project.
- “I have used for Matlab coding streamline function.”
- “Agentic AI in Python to look up information utilizing an API in ____.”
- Provide STATA code to test the impact of a treatment on specific outcomes.
- Create code such as in Excel to reverse 5-point likert scale data.
- Tidy up research: “I had a dataset that was a series of measurements from... across 48 timepoints that were copy and pasted into an Excel spreadsheet with occasional errors in placement or naming conventions that I used chatGPT to write code to extract into a nice tidy dataset. I also used it to help me generate and perform a sensitivity analysis for a differential equation model.”
- **Debug code and resolve errors**
 - “Debugging issues with SPSS.”
 - “ChatGPT provided a lot of easy access to reference materials for debugging. A unique use case was scripting in ____ a small functional language... ChatGPT could not correctly interpret the reference material to properly create code, but responded well to questions of why something might not be working.”
 - “demo code, identify and fix bugs, and resolve dependency issues by providing code snippets or error messages, leveraging its code generation and debugging capabilities to streamline my programming workflow.”
 - “...to support my machine learning experiments, especially for writing and debugging Python and PyTorch code. My typical inputs include code snippets, error messages, and occasionally full source files. ChatGPT has been highly effective in interpreting error messages and suggesting minimal, targeted fixes. It is also very helpful when I provide short to medium-length code segments and ask for specific modifications. In such cases, it reliably understands the structure and logic and returns code that integrates well into my existing workflow. However, I have found that ChatGPT is less effective when parsing and reasoning over full codebases, especially those that span multiple Python files with complex dependencies. In these scenarios, it sometimes misses context. ChatGPT occasionally enters the code canvas interface during code editing. While this feature is functional, I have not found it particularly impactful for my use case. I use ChatGPT's responses as a baseline that I then modify to fit the needs of my machine learning research.” (GRA)
 - “Cut and paste the code into ChatGPT and ask questions such as 1.) How can I improve the performance? 2) There is a segmentation fault. Any idea as to what is causing it? 3.) Is this a good interface file (i.e. .h file) 4.) Can you translate this code into a mathematical algorithm in LaTeX format? 5.) Here is the particular CPU I am using. What tools can I use to profile the code to better understand the

cache behavior. 6.) Here is an idea I had to remove synchronization in this parallel code. Can you rewrite the code using this new idea?"

- **Write and adapt Python code for research tasks**
 - Exploring coding solutions, such as setting up an RNA-sequence processing pipeline in Python.
 - "Generate code for unfamiliar tools, 'help me code a Python program that asks for a folder, reads sequentially all the CSV files in it... then creates a plot using seaborn to visualize the load deflection curve'"
 - "Write Python code to clean this dataset by removing null values, fixing date formats, and standardizing column names." (GRA)
 - "ChatGPT is a HUGE timesaver in trying to figure out how to plot data using MATPLOTLIB in Python..."
 - "Assistance transferring work to ARC: 'Help me queue this work on ARC. write me a Python script to download meteorological data on my cluster shell...'"
 - "I use ChatGPT to write Python code to visualize the data for my research reports. For example, to plot the housing market index data from ____."
- **Support LaTeX coding and formatting**
 - Asking for LaTeX code assistance for lecture notes, proposals, or technical papers; creating tables and figures
 - "My most beneficial use of ChatGPT Edu has been for LaTeX coding, particularly in preparing lecture slides, exams, and research documents... I also share full LaTeX files and ask for help debugging compilation errors or improving formatting. ChatGPT's ability to quickly generate syntactically correct and well-structured LaTeX code has saved me considerable time."
 - Asking for LaTeX code templates for tables or figures to correct syntax issues from scratch. (GRA)
 - "produce markdown and LaTeX codes for research and course related materials."
- **Create and adapt code for visualization and figures**
 - "Provide code to generate a figure: 'Here is the figure I'd like to plot, can you help me to generate some code to plot this figure.'" (GRA)
 - "Often, I would want a specific visualization style and format in Python, and ChatGPT helped me create these visualizations based on my detailed description. I could then copy and paste the resulting error codes until it was debugged..."
 - "...it has helped immensely with graph and table formatting... cut down coding time by an estimated 80%."
 - "Test visuals by giving it random data sets, develop the code, then take the code to my coding environment and run it on my dataset."
- **Implement algorithms, simulations, and pipelines**
 - "Set up bioinformatics pipelines, describing short bits of functionality, usually giving pseudocode, and ChatGPT will help produce functional code that I can then test/debug."

- “Implementing well-known algorithms, mocking up high-level simulations, optimising existing code. For example, implement a Kalman filter for object tracking...”
- “Many of my stats textbooks or papers I read include algorithms or pseudo code that I wish to make into fully working code. I can upload screenshots of the pseudo code or algorithm and ChatGPT usually gives me a good base I can start from.” (GRA)
- “write some time series functions for rendering ___ in a virtual reality (VR) application.”
- “Optimizing a parallel code... Can you think of any ways I could get more performance from this code?”
- **Prototype and build research applications**
 - “My research project uses React Flow... Many times I didn't know all of its functionalities so I asked ChatGPT to write some parts of the code in React Flow for me. Very useful because I had to prototype things quickly to test the prototype. Another thing I found very useful was the ability to upload files. I uploaded my entire codebase and asked some specific questions to edit my code.”
 - “Given the nature of open source, it is not always suited for every research problem I am investigating and requires significant enhancements to the code. ChatGPT has helped me generate code much faster given the problem statement and some relevant context. For example, I used it very recently to test out security enhancements in ____. I provided ChatGPT with the files which I identified required modification and asked it to add functionality to test out the security enhancements. Though not perfect, it gave me a starting point from which I refined the solution on my own, which significantly reduced the development time.” (GRA)
 - “Write a Python Flask app with a basic login page and a protected dashboard route.’ ... ‘Design an AWS-based architecture for a scalable web application with authentication, storage, and database services.’” (GRA)
 - “designing an electronic circuit for an Arduino system. I wanted to control vibration motors using the Arduino, so I asked ChatGPT Edu to provide me design for both hardware and software.” (GRA)
- **Use coding support as learning and acceleration tool**
 - “The most beneficial uses have been when I know exactly what I want to do, and generally how to do it, but don't remember syntax... What ChatGPT gives me is like what I would get from going through my notes or stackoverflow, but much faster and already tailored to my use case. I've also used it to generate code for an analysis that was fairly complex and I hadn't done before...this was much more cumbersome, but it definitely sped things up and was helpful.”
 - As a GTA without a computer science background, able to accelerate research by creating code that was able to understand and modify.
 - “For coding, I would explain the sort of programming problem I wanted to solve. Then get advice on how to solve it, then usually ask detailed questions, then ask

for code samples of hard parts, then eventually ask for functions or whole sections. I want to understand what I am coding, or else I won't be able to troubleshoot it later... ChatGPT really helped me also understand code that I didn't get. I would copy code into it and ask for a line-by-line explanation. This was really helpful.” (GRA)

- “I usually don't let ChatGPT run by itself... For example, when I start working with a new Python module that I don't know... I use ChatGPT to give me suggestions and code examples to get started. This saves me hours of reading manuals and searching online.”
- “There were some instances... as someone who is not an expert in Bash scripting, I was able to learn the basis and also create one using ChatGPT...” (GRA)
- “I gave description of the task I need to do with the data then ask the ChatGPT to generate the first part of the code. I found the canvas to be very useful, as it allowed me to pinpoint the part I don't understand.”
- **Other**
 - Research ChatGPT itself: “We prepared two paper submissions based on our ChatGPT usage...”

Analyzing Data

- **Analyze textual data (qualitative analysis)**
 - “...I first asked it to teach me how to use it for qualitative data analyses, in particular for multi script situations and for longitudinal studies. Once I started using it, I became much better at finding the right prompts to get what I wanted... I have been extremely impressed by the quality of the analyses I received. It was able to capture not only explicit but also implicit concepts. It was also able to help identify where our research filled gaps in the literature based on the data we have. Honestly, I am now dependent on this tool as I have three qualitative data based projects...Some lessons learned: 1. Ask the tool to teach you how to use it for new approaches 2. Make sure you know your data really well before using the tool – I was able to validate that it did not have hallucinations – I also knew what I was looking for 3. Take time to develop the questions – if you have a coding template already done it helps a lot 4. Make sure to identify your targeted end result – it helps to guide the discussion rather than just ask ‘what are the key themes in this transcript’...”
 - “It helped to streamline theme development with qualitative data from recorded interviews.”
 - “ChatGPT Edu was particularly helpful in analyzing open-ended survey responses and qualitative data.”
 - “I think that ChatGPT is currently the most helpful when it comes to analyzing text vs. creating visualizations...”

- “I was able to analyze hundreds of comments in a very efficient manner... It is extremely useful handling text data. For numerical data, it was able to conduct initial data exploration, which helped me get started.”
 - “You are an expert in qualitative data analysis with a focus on sentiment analysis of open-ended survey responses. I will provide a survey question followed by all the associated responses. Please do the following: Conduct a sentiment analysis, categorizing responses as positive, negative, or neutral, and include percentages for each. Identify and summarize the key themes or patterns that emerge from the responses. Provide quantitative statistics where applicable (e.g., frequency of recurring words or ideas, counts by sentiment, etc.). Offer insights or conclusions based on the overall tone and themes of the data. Organize your response with clear headings for: Sentiment Breakdown, Thematic Analysis, Key Statistics, Insights, and Conclusions”
- **Guide study design and analysis planning**
 - From a statistician’s perspective: “General principles for getting the right data analysis include 1) specify data structure 2) specify study design 3) specify every possible aspect of the analysis including the roles of all dependent and independent variables (blocking, covariate, factor, numeric continuous, discrete) 4) Ask it to generate code to reproduce the specific analysis.”
 - “1. AI provides good guidelines for statistical procedures. 2. AI can be used to do preliminary analysis (i.e., statistical strengths) to determine if additional data is required for a desired effect size. 3. AI is good at summarizing qualitative responses and/or drawing themes from such data.”
 - “1. Create a clear and detailed guide that outlines the steps and statistical assumptions required to perform a repeated measures ANOVA in SPSS. 2. Develop an AI-assisted workflow that performs a preliminary statistical analysis to evaluate whether the current dataset has sufficient power to detect a desired effect size. 3. Analyze the attached dataset of qualitative responses and provide a clear summary that identifies key themes.”
- **Visualize data and build plots/dashboards**
 - “...Test visuals by giving it random data sets, develop the code, then take the code to my coding environment and run it on my dataset.”
 - “Generate a timeline graph based on the provided time log data” (GRA)
 - “For this data please generate a graph and find the optimal point by analyzing the graph.” (GTA)
 - “(1) Identify the top five most significant trends in the dataset, and provide both a summary table and explanatory analysis for each trend. (2) What major trends can be observed in the data? Please visualize them by relevant categories and include corresponding explanations. (3) Based on the provided dataset or textual information, can you generate a clear and well-structured table summarizing the key points?”
 - Provide STATA code to test the impact of a treatment on specific outcomes.
- **Interpret results and explain model outputs**

- “I found it useful to interpret some tricky interaction terms in the analysis. I provided the result from R, along with the context.”
- “Interpret the following analysis result. The main dependent variable is Y and the independent variables of interest are X1, X2, and X3. [Context] [Result]”
- **Exploratory analysis and checking work**
 - Confirm power analysis results.
 - “Using ChatGPT to do quick and ‘dirty’ analyses of data prior to using R or SPSS to run more-thorough analyses.”
- **Other**
 - Analyzing images

Other

- “I think the most useful example was using ChatGPT to get up to speed on other peoples' disciplines on an interdisciplinary research team. In the in-person meeting, sometimes people from other disciplines would shoot down ideas based on their own disciplinary knowledge. It can be difficult to argue with someone whose expertise and experience is outside your own, who is telling you that your idea won't work. ChatGPT is a great way to not only understand the WHY of their response, but also to generate ideas that could potentially link back to workable solutions.”
- “Turning screenshot images of old documents into text.”
- “I am an AI researcher, so it was also useful to test it for how it would respond to different prompts to help me and the students generate scripts for our experiments.”
- “I used it to quickly identify potential topics in the ___ call to submit white papers to. Here is the initial prompt: 'Given my CV attached, are there any topics in the attached notice of funding opportunity that I would be a good fit for?’”

Teaching and Instruction

Around 20% of participants primarily used ChatGPT Edu for teaching and instructional purposes. Instructors frequently used ChatGPT to design teaching and learning materials, including assignments, quizzes, exams, syllabi, rubrics, and worksheets. ChatGPT also proved valuable for coding and debugging tasks, helping instructors fix their own code for instructional purposes and to help debug student code. The tool enhanced student communication by helping clarify assignment instructions for students and to draft responses to student inquiries or handle tricky emails to students. Instructors also used ChatGPT to generate worked examples. The platform supported pedagogical planning through brainstorming of teaching strategies, discussion prompts, and engagement activities, while its search capabilities helped instructors find relevant concepts, examples, and pedagogical approaches. Additionally, ChatGPT assisted with course management tasks, such as analyzing student feedback data.

Summarizing, searching, and synthesizing

- **Keep course content current with laws, policies, and events**

- “There are areas of my courses that need constant revision due to changes in federal or state legislation... I ask Deep Research to provide reports on the current state of these government programs and about recent changes to the law and how this impacts outcomes and served populations. These reports have informed more accurate and up-to-date class presentations.”
- “To create class material on emerging current events as they relate to course objectives, I used ChatGPT to create lists and summaries I could use for creating contemporary class cases. I used Deep Research to pull historical context into some class topics, and I then created entire class sessions around the results. In one case, I was able to frame and reframe the search outcomes for discussions in three different classes.”
- **Support faculty in quickly understanding and evaluating new or unfamiliar content**
 - “I found it extremely beneficial for quickly learning about content with which I was unfamiliar, in one case using it to see whether a student's response made sense in an interdisciplinary context.... This offered enough for me to question the student's description... This led to interventions with the student about research ethics as well as changing our poster content...”
- **Forecast educational trends and implications for teaching**
 - “Predict the educational landscape in 5 years. What will education look like for students seeking a BS degree in engineering? Do you see any major shifts? If so, what can universities do to prepare themselves for the future of education?...”
- **Create structured newsletters from student feedback**
 - “I do weekly check-in surveys in my classes and then use the survey response to create a weekly newsletter with feedback and advice (supplemented with information on whatever work they are doing that week)...I ask ChatGPT to use the survey responses to sketch out some newsletter articles and related graphs. It takes less time, lets me focus on the newsletter articles that aren't related to the survey, and makes the whole thing look more polished.”

Brainstorming and ideation

- **Generate outlines and lecture structures or materials**
 - “Generate an outline of topics to cover in a 50 minute lecture on ___ topic.”
 - “I was able to ask ChatGPT to help layout the structure of a lecture (i.e. how to organize the content delivery).”
 - “I had ChatGPT brainstorm approaches to presenting course material or entire outlines for a course. I'd usually ask for 5 different outlines or approaches as an example. I'd ask for 20 multiple choice questions based on material content. Brainstorm 5 interactive demos to use for a course topic, etc.”
 - “syllabus topic generation and readings for each topic”
- **Develop and refine assignments**
 - “I like to use GPT to bounce ideas off when crafting assignments or modules for a course. For example, I was putting together an assignment for students to develop a final presentation for their first-year design course. I provided ChatGPT

with an outline of what I wanted to do, gave some required components, and then asked for a specific tone, and then asked for an assignment prompt.”

- “Please review this assignment. What changes would you recommend? I’ve included a template for submission and an example submission. What I want is to bring in a human-centered component to the problem scoping phase. I want the students to empathize with users, and to actually observe problems and how they know these are problems. This exercise will guide their team’s problem selection for the rest of the semester, and will likely inform verification and validation criteria determination later in the semester…”
- “Brainstorming assignments that will assess our students’ progress towards our program learning outcomes was really helpful. I provided course content and our learning outcomes as well as rubrics we use to assess them.”
 - “Generate an assignment that will assess this learning outcome based on these materials and this prior assignment.”
- “Generating example problems that build on existing course material”
- **Explore activity ideas**
 - “what is a good classroom activity for a foundations of ___ class for 50 students to help them understand ___”
 - “I’ve fed it lecture notes I wrote for my introductory-level courses and asked it to brainstorm examples as well as in-class activity prompts that college students would find interesting and resonant with their experience.”
 - “I found ChatGPT most useful for brainstorming examples and in-class activities that interest students.”
 - “How might you suggest designing a multi-week embedded module on ___? Assume the end result is a competition between teams in the classroom, where they call and respond to arguments from each other like in a more traditional ethics bowl. Assume we have 3 weeks where the class meets three times a week for 50 minutes at a time. Assume the students don’t have a background in ethical theories but do have a technical background.”
 - “It is pretty good at coming up with classroom activities based on lecture materials.”: “Below are the notes for a class I am running. The level of the course is ___. Create an activity that will take about 5 minutes and help introduce the students to concepts ___ and ___.”
 - Creating an assignment around a simulated personality students could interact with to learn more about a mental health condition.
 - Ideas to modify or adapt an outdoor activity into an indoor activity due to rain.
- **Check alignment with learning objectives, standards**
 - “Review the attached document ___ Standards for ___ and course syllabi. Compare the course syllabi with the standards identified in the ___ document. Where do the courses align with the standards and where are they deficient? Analyze the course syllabi to determine where there are overlaps in topics and instruction. Look for redundancies and gaps based on the ___ document. The intent of this prompt was to look at 8-10 syllabi and compare the courses to what our industry says the standard should be for ___ preparation.”

- “If you provide a list of learning objectives and the materials for a class, the system can tell you, with reasonable accuracy, if there are any gaps between LOs and Materials that you should address. It's also possible to use it to create summative assessments that align with outcomes. It is just important to perform QC on them before using them.”
- **Identify content or examples that are relevant or help with comprehension**
 - “1. I was trying to help the students understand the difference between discrete and continuous objects, and I wanted to use an engaging context to explain this. I asked: Can you give me a list of 25 random objects that are discrete? In other words, it doesn't make sense to split the objects into parts. Bonus if the items on the list might sometimes be put into groups of a certain size.”
 - “Better understand how to relate a topic back to real-world context or policy.”
- **Other**
 - “I use it for ideas for classes, both at the macro level (syllabi) and the micro (particular activities for a day's class). I have it brainstorm names of courses. I asked it for ideas on how to generate data. I ask it for hypothetical exams for teaching and research applications. I use this function perhaps more than any other.”
 - “Suggest friendly, low-pressure strategies to help shy or beginner students feel more confident while taking photos and talking to vendors during the ____ assignment.”
 - “Help me with identifying the learning objectives for the following course. While doing it, generate a list of questions an undergraduate with a minimal level of statistics would raise. Divide the learning objectives by session. In this course, there are 13 weeks of teaching. [attach syllabus]”

Writing

- **Explaining assignments and communicating with students**
 - “Utilization of ChatGPT to help me better explain myself to students and for drafting assignment instructions. I tend to skip over basic steps in my assignment descriptions as I am too familiar with the materials...”
 - “I used ChatGPT Edu primarily for writing tasks related to my teaching, including emails to students, feedback in Canvas, and creating assignment instructions in Canvas. For emails, I would start with a rough outline or a few key points and ask the AI to revise. I provided ChatGPT with brief grading notes or bullet points. The AI helped me turn those into more polished, constructive comments that were easier for students to understand and apply. For Canvas assignments, I entered my original content into ChatGPT and used prompts to revise.”
 - “I had to write emails and make announcements for students. ChatGPT helped me refine and improve my emails and announcements.” (GTA)
 - “I use ChatGPT daily to help with emails, assignment descriptions, and editing journal or conference submissions. Often, I need support in translating my thoughts, expectations, or messages into clear, formal, and well-organized

writing. Often, I need support in translating my thoughts, expectations, or messages into clear, formal, and well-organized writing. ChatGPT helps ensure I communicate effectively—neither overlooking important points nor overstepping boundaries...”

- “...I’ve also been using ChatGPT to help draft email responses to students. I am able to more quickly draft replies with a professional tone to get back of students instead of playing catch up at the end of the week. It’s been a big relief for me and students are happier since my replies to their requests come back faster.”
- “A common complaint from students is that my assignments are too complex, with too much information provided that obscures what students need to do to complete them. I used ChatGPT multiple times to simplify existing assignments, including down-scoping the assignments to their most essential components and providing clearer, more concise narrative. I found it helpful that ChatGPT identified the strengths of the assignment instead of just revising what was fed into it. The recommended assignment text was used to replace my existing instructions, with few if any revisions on my part.”
- “1. I often used it to help me compose emails to students in sticky situations. Instead of spending lots of time thinking about just the right words to use, I would give ChatGPT the overall message I was trying to convey (with no names, of course) and a tone I was trying to use. I usually got a response that I could use with minimal edits...”
 - “...Here's an email I'm sending to a student HW group because I have learned that they are having trouble collaborating. What would be a good closing sentence? I want to say something about being committed to their success, but that sounds cheesy. Also, let me know if you have any other overall feedback about the email tone, clarity, etc.' (Then I entered my draft.)”
- **Write recommendation letters**
 - “Write letters of recommendation quickly and give me additional time to tailor the letter to each student and the program they were applying to.”
 - “I supplied de-identified drafts of letters of recommendation I wrote for students, along with additional documents (their essays or explanations of why they were applying) and resumes, also without any identifying information, to get more polished and personalized letters. I asked that my draft remain as the foundation, but to include some additional information referencing the students' motivation for applying, their out-of-class experiences and some additional qualities or competencies I wanted to highlight.”
 - “ChatGPT Edu was most helpful in writing the recommendation letters for students. I knew what I wanted to say and included the information in the prompt. What I struggle most with is the transitions in my writing to achieve a smooth flow. ChatGPT Edu assisted me in this and did it in a quarter of the time it would normally take me to write and edit a recommendation letter...”
 - “Letters of recommendation - I would give it the key characteristics/facts/memories I wanted to include in the letter in addition to their

resume and what they wanted me to highlight about them. I also added comments about the level of enthusiasm and framing of the letter (e.g., for what purpose, like an award vs grad school, etc.).”

- “I really enjoyed ChatGPT for helping create recommendation letters for students and administrative tasks, especially emails. For recommendation letters for students I will say ‘please make the following into a recommendation letter’ and then I just write a paragraph of thoughts about the student. I don’t have to have good punctuation. It can just be a flow of thoughts and then I can prompt to get the letter in the form I want. I also really enjoy using it for emails to students or emails to candidates we were hiring for an instructor position. I can put everything I need and then it makes it into a professional sounding email. I also like to ask to make it less formal and it does a good job.”
- **Translate and adapt tone across languages**
 - “I used ChatGPT to write feedback on students’ assignments in my native language... and to quickly and naturally translate it.” (GTA)
 - “As a non-English native user, pursuing or recognizing a certain tone of written messages could be confusing when emailing people. I was able to obtain help not only composing email content with a certain tone I want, but also recognizing a tone of received emails.” (GTA)
- **Break writer’s block and refine drafts**
 - “The most beneficial use for me is in getting started - breaking the white space of the document. ChatGPT is also helpful in condensing the writing if there is a limit on the overall length I can have in a document. For example, in putting together a conference paper on the results of a survey administered to students, I uploaded anonymized results in an .xlsx file, and asked GPT to help me list the results of the work.”
 - “Sometimes simply asking ChatGPT for a start where it creates something for me to respond to and enhance, revise, etc. Secondly and much more usefully, I’ve found ChatGPT to be helpful as an editor for work that I would normally not have another set of eyes on. The level of this writing is relatively low-stakes - design briefs and the like.”
 - “I used it... when I was tired of writing, or feeling like I had a creative block (suggestions were not perfect but helped me get over that hurdle).”

Designing and Developing

- **Design tests, quizzes and exportable assessment formats**
 - “Developing low-stakes formative assignments for classes has been amazing. Students like these reinforcements and they were very easy to develop in ChatGPT. I would ask for the questions to be formatted using the R exams package format which I could then compile into a .qti zip file and upload to Canvas.”
 - “Can you make an qti format CSV for creating a quiz with multiple fill in the blank questions asking about First I gave it [relevant data] I wanted to get in a better

format with the relevant info then I asked it to make a CSV I could import into canvas to create a Canvas quiz for students.”

- “Used often for creating quick quiz or classroom activity around a particular paper or article.”
- “create a test version B and C from this test. Combine quizzes 3-4 into a midterm exam and reorganize the questions...”
- **Develop questions for assessments or discussions**
 - “My limitation with exams is creating multiple choice questions that aren't either completely obvious or have answer choices that confuse students. With ChatGPT, I can put in an exam question and ask it to assess answer choices for clarity and overlap. It gives spectacular suggestions...”
 - “Design and implementation of grading rubrics, generation of a syllabus quiz to ensure students reviewed the document, creating exam questions that assessed specific points of learning.”
 - “Write a question testing students on when to use Spearman vs Pearson’s correlation in a ___ themed problem...”
 - “Create a MATLAB problem related to ___... that requires using numerical integration... The problem should involve ... The problem should ask students to: Compute the total load applied to ___... Determine the shear force... Determine the bending moment... The problem should not provide the solution or MATLAB code. It should clearly define the required tasks, but students must figure out how to implement numerical integration using MATLAB.”
 - “Give me some questions I could give my students to write SQL queries... along with the solution.”
 - “Create 10 multiple choice questions from the attached lecture notes. 5 should be questions recalling information from the lecture and 5 should be applied to real-world scenarios.”
 - “What are the educational implications of these readings? What are the shared themes across all the readings? Can you generate some discussion questions based on these readings?”
 - “Test questions against ChatGPT and revise them to encourage students to think more deeply...”
 - “Create 20 multiple choice quiz questions from the attached document...”
 - Generating concept statements, mood boards and concept images: “Create a concept statement from these elements and principles. Create a mood board with abstract images addressing the following uses of the elements and principles of design. Create room images using these elements and principles of design.”
 - “...create instances of certain problems that students were learning how to solve (like max flow problems, shortest path problems, and project management). It made mistakes on some of them, though.”
- **Create assignments and rubrics**
 - “Can you help me write an assignment description and rubric for the mid-semester presentation for the... class I teach using the following details of what should go into the presentation? It's a 10 point assignment... Other criteria

to consider for the rubric include the overall flow/organization, quality of the visuals, quality of presentation/delivery, etc. Please have no more than 4 categories for the rubric to streamline grading. Also, if you could make the scales on meets expectations (100%), reaching expectations (90%), below expectations (80%)..."

- I frequently use ChatGPT Edu to design assignments based on lessons and objectives for my classes. I usually begin by uploading my lecture slides or the assigned primary literature, then ask for suggestions on reflection assignments that would assess specific learning objectives, along with suggestions for a grading rubric..."
- "...redesigning lessons or assignments for a course I have taught before. My favorite was revising a boring take-home essay assignment into performance assessment. ChatGPT helped me redesign my assignment to integrate ethical AI use by the students, craft and revise sample lesson plans the students would analyze, develop a game to include in one of the lessons, draft a Canvas-compatible rubric, and refine all written components for clarity, flow, and alignment with my instructional goals..."
- "I use ChatGPT Edu to revise Canvas modules and assignments, making my course materials more engaging and effective for students... including writing assignment instructions, creating engaging descriptions for ___ projects, and developing clear, student-friendly rubrics."
- "Review and summarize documents such as grading rubrics,... technique guides, and project instructions. This saved me time by cutting through the clutter and pulling out only what I needed for module overviews and student handouts. I appreciated how ChatGPT tailored its answers for a first-year student audience, using clear, supportive language. ChatGPT significantly reduced the time and effort needed to build out course content. It let me focus more on the creative and instructional design while it handled the organizational heavy lifting."
- "I used ChatGPT Edu to develop a preliminary model of rubrics for every writing assignment in my courses. This was a huge time-saver and expanded my thinking about what I could assess in my students' work! I say 'preliminary' because I reviewed each draft rubric closely and edited them to reflect accurately what I sought to evaluate relative to learning objectives for students... I've found rubric creation to be very tedious in the past; most time is devoted to simply coming up with gradations of evaluative words (e.g., exemplary, satisfactory, needs improvement, etc.), which seemed like the kind of repetitive task that was ideal for using gen AI. A typical prompt would be something along the lines of 'Create a rubric for an assignment titled [X]. The criteria should be [A], [B], [C], and [D], with each criterion worth 0-4 points. Integrate references to [concepts from class] in relevant criteria.'"
- "used it to design a course assignment. I asked ChatGPT to generate 10 sentences with specific categories of flaws relative to technical discussions of _____. I then selected the 5 out of each category that were appropriate for my students' level of knowledge. It is very difficult to generate poor examples of

writing when you strive to write well. This would have taken me 4-8 hours to generate 20 realistically flawed sentences. ChatGPT did this beautifully in minutes.”

- “...I specified rubric criteria, important concepts to reference, titles, and point denominations. Though all of the rubrics required review and some editing, the final versions were used on Canvas in both of my Spring '25 classes.”
 - “...‘Create a rubric titled [X] with evaluation criteria focused on [A, B, C, and D], each worth 0-3 points’ (for rubric creation). ‘Create a 10-question quiz that covers material in pages [x-y] of the attached PDF, tailored to a [specific grade/course level]’ (for quiz creation).”
- “Ultimately, I am hoping to have students work in teams to develop learning objectives for upgrading the current class based on what they will need to know to be competitive future hires in the ___ industry. These are some job roles they will assume. I intend to have them interview people who have these jobs to find out what responsibilities they have, what sources of information they use, and how they evaluate the trustworthiness of that information. Can you base a lab design on this concept?”
- **Develop syllabi**
 - “Designing a new syllabus that focuses on a topic that has not been taught. For example, design a syllabus that examines [topic] in a semester...”
 - “I need you to help me finish planning my syllabus. I've already had six weeks of class now. In a new canvas, please list the following as the first weeks of the semester, which have already happened... Open a new canvas. Write my first six weeks at the top, then add your final 8 weeks.”
- **Develop courses and modularize curricula**
 - “The most beneficial use has been as an idea partner for redesigning a course in an entirely new structure, using various evidence-based teaching techniques, and checking the course against existing learning objectives to ensure coverage is still met. I provided the previous course outline from an old syllabus, told it the techniques I wished to use, provided the academic calendar, and asked it to re-vamp into a modular approach, mapping classes in each module across the semester according to the academic calendar. I subsequently refined it by prompting about re-organizing, suggesting student deliverables (assignments) in such a way that there will be many options for student expression while maintaining the ability to provide feedback in a timely fashion.”
 - “Create a graduate level service course that is a sequence course that covers two semesters. In the first semester I want more introductory topics and in the second semester I want more modeling...I was able to start with this and then define what additional topics to cover in the course and this helped me to create a very nice topic outline for both semesters.”
 - “I've been meaning to convert a lot of my course notes to a textbook as there isn't really a textbook for what I teach exactly. I used my slides and transcripts of my lectures to generate a quarto book... Asking for where I could go into more depth or provide more examples was really helpful.”

- **Simulate scenarios, personas, and interactions**
 - “Create a test persona for a design program using students’ problem and mission statements and accompanying story board.”
 - “I created a student simulation in class where students could engage with AI as a ‘persona’ and the discussions forced students to think critically about their own development ideas”
 - “I used ChatGPT to generate... design briefs to be used in preparing novice designers to achieve a viable biotechnical prototype...I provided ChatGPT with the context, criteria, constraints, and parameters the design solution was to achieve.”
- **Overhaul and scaffold major projects**
 - ““Help me scaffold a final project that includes options of ____... Create a detailed ‘assignment’ for the [date] materials’ and each of the subsequent deadlines.”
 - “I need to develop the prompt for a semester-long project in an undergraduate class in ____ focused on _____. I need to develop the following: A document that states what the project is about, learning objectives, tasks with the corresponding due dates and deliverables. Also create a clear rubric for each of the main deliverables. Be very comprehensive. There are 5 topics and around 10 groups of students, thus each topic will be assigned to only 2 groups max. Students need to pick the topic fast for a first-come, first-serve allocation. Below is the current draft. It needs better organization and be more clear about each topic.”
- **Review, refine, and stress-test course materials**
 - “I use it to identify *blindspots* or confusing language in course materials.”
 - “I would say the most beneficial use of ChatGPT for design and development for me was test creation. To start I would scan in a list of practice problems and other associated materials to ChatGPT to set the context for what the exam was covering. Then I would scan in my proposed questions one at a time and ask for feedback on how to improve or simplify the question. I would also ask ChatGPT to work the question out in detail so I could say if the math was nice and easy (without fractions/etc.). If the math was tedious, I would ask ChatGPT to suggest a similar exam question where the math worked out better. After uploading all of my proposed questions, I would also sometimes ask ChatGPT for some suggested short answer questions. Finally, after my exam draft was finished I would ask ChatGPT to evaluate the exam for difficulty and length to see if any adjustments needed to be made. If the test was too long or too hard I asked for suggestions on how to simplify certain questions or replace the question with something else.”
 - “I’m developing a lab exercise for my undergraduate _____ students. I’d like them to investigate what kinds of decisions a _____ has to make with regard to materials as part of their job responsibilities. I’d like you to pretend you’re a student and provide an answer based on your knowledge of that way of structuring the question.”
- **Create instructional guides and study resources**

- “1. Design a set of lab guidelines that provide students with hands-on, experiential learning in ___ measurement and design. 2. Develop a comprehensive study guide to support students learning about ___ measurement and design. The guide should be structured to reinforce key concepts, methodologies, and applications. 3. Create a PowerPoint presentation that effectively summarizes the key components of a course on ___ measurement and design. The presentation should be designed for delivery to an audience of peers, educators, or stakeholders unfamiliar with the course.”
- “Generate research plans and timelines for students: “2. Create a detailed research plan and timeline tailored for a [graduate/undergraduate] student working on a project related to [insert topic], including milestones, deliverables, suggested resources, and weekly or monthly goals.”
- “‘Here’s a quiz I created—can you provide full solutions for each question?’ I provide the LaTeX or plain-text version of the quiz, and ChatGPT generates detailed, step-by-step solutions. This helps me quickly prepare answer keys or solution sets for student practice.”
- **Other**
 - “I have been designing and developing case studies for students to use as the basis for ___, drawing from simulated interview scenarios. I provide a description of the desired system requirements and expected outputs, and ChatGPT helps embed that content into a realistic business context. This allows students to engage with practical, real-world scenarios while significantly reducing the time it would normally take me to create such materials from scratch.”
 - “Generating alt-text for images in slide decks... I’ve been using ChatGPT to describe the image... The descriptions provided are accurate and need minimal revision.”
 - “I used ChatGPT to design effective, hands-on, experiential workshops for students interested in ___. I gave the ChatGPT inputs consisting of our program web pages for context, as well as several articles outlining our teaching methodology and lastly defined the desired student outcomes from the workshop.”
 - “Providing course notes to create a worksheet for a class in LaTeX.”
 - “We have many documents that provide guidelines for specific things, like creating a peer review of another instructor. I used ChatGPT to create a template document based on the guidance provided. This insured I covered all of the areas needed in the review.”
 - “Creating a template for them [tutors] to use in their first meeting ensures consistency in documentation and also ensures they understand important project management aspects like deadlines, client expectations, etc. This document is a 'living document' and the start of project documentation. Our template design request included some key elements that we require and additional ones suggested by ChatGPT.”
 - “I had ChatGPT review and analyze my courses to look for overlaps in content, redundancies, gaps, and to propose new topics, lessons, activities, or

assessments. Everything was ultimately modified or not used due to ChatGPT not fully understanding context, students' previous experiences or their professional and educational trajectories, or the limitation within the governance system to drastically change courses without proper approval.”

- “I have been experimenting with creating a custom GPT to serve as a discussion mentor... I have used the mentor to prepare for my own class sessions that include discussion and it has outlined discussion strategies that have been implementable and effective. To design the GPT, I input materials about facilitating discussion, and then to use it, I put in the parameters of my class (the materials to discuss, the size, etc).”

Coding

- **Generate and adapt code quickly**

- “I gave it a verbal description of what I wanted, and it generated some useful Python code, which I iteratively debugged with it. Probably reduced 2 weeks time to do it manually to 2 hours time to do it with ChatGPT.”
- “I used chatgpt to generate several small sections of Python code for use as teaching examples in my class...”
- “... developing a Python-based application for use in my class to help students better understand system design and how systems function.... To streamline the development process, I began coding on my own and then leveraged ChatGPT to refine and expand the code based on the goals I described.”
- “The most useful situation is where I ask ChatGPT to not just draft something (like simple blog posts on writing topics for students). After a bit of using it for that task, I started asking it not only to write the text but to do so in HTML with inline CSS so that I could copy/paste it right into Canvas. Such a timesaver. It's not that I couldn't code it myself, but that it's something tedious that I can let AI do for me. That frees up my time to revise and extend the draft to fit my personal voice and the needs of the class.”
- “I used... to design teaching worksheets for the topograph, which is an infinite fractal tree which would have been a nightmare to depict coding by hand. I gave it descriptions, pictures, screenshots, etc.”

- **Create programming assignments, exercises, and datasets**

- “I asked it to come up with questions for my students to code that covered given topics.”
- “Support the generation of example coding problems... systems of ordinary differential equations (ODEs) model... it generated models and drafted MATLAB code that I could use to implement in-class exercises in MATLAB Grader. It was really easy to throw out ideas and then proof the examples (it usually gave more than one) and screen for appropriateness/relevance.”
- “I used ChatGPT to create the basis for two take-home exams in my... course this semester.”

- **Create macros, scripts, and productivity tooling**
 - “Using Excel VBA to create an attendance sheet where Excel counts colors denoting which students spoke in class.”
 - For a language course, identify commands for a Word macro that inserts diacritics above any letter.
 - “Debug ImageJ macros...”
- **Other**
 - Assistance moving course from traditional to an online, interactive format by writing course material in HTML and JavaScript.
 - “I used it for teaching my students how to use it for coding and how to be careful about what it generates. I also used it for testing code. I also used it for documenting code, I took old starter code and had it create documentation.”
 - “I used it to generate various artifacts of User Experience lifecycle activities (user interface, user persona, benchmark tasks, questionnaire, etc.) and then generating React code for the designed user interface components.”
 - “I have a lot of metadata encoded in filenames and would use ChatGPT to write regex to extract this data.”

Analyzing Data

- **Analyze student feedback**
 - “I uploaded all of the student responses to the open-ended items and asked ChatGPT to summarize them. It gave the output in categories with some specific quotations (sometimes).”
 - “I have now conducted this exit ticket, and I compiled the data in a spreadsheet. ... look for 3-4 themes that show up in their explanations. Second, write a one paragraph summary of their explanations. Third, offer some suggestions about what I might do next as a teacher. Fourth, offer some suggestions about what students might do next.”
 - “Analyze the attached SPOT (Student Perception of Teaching) reviews and comments to summarize key themes, identify strengths and areas for improvement, and generate a set of actionable recommendations to enhance future teaching effectiveness.”
 - “Comparatively analyze students' notes before the seminar meeting and their reflections after the seminar meeting to highlight how students' perceptions and ideas have changed in regard to the seminar's topic this week.”
 - “...Given these qualitative responses to a class survey, what were the major themes?”
- **Visualize teaching data**
 - “Pull student data from their interactions with a course's content, storing this information, and then creating a dashboard to display the data.”
 - “Plot a histogram of grade distribution.”

Other

- Create sample data sets for students to analyze: “This is the adjacency matrix of collaboration among top 100 actors. Can you help me classify the gender of the top 100 actors with the highest degrees?’ ‘Can you use Google to update the node attribute table?’ ‘Can you use Google to verify your predictions?’”
- Provide a novice’s perspective on a topic to help think about how to explain a concept without using jargon.
- “I sometimes do voice interaction which is very useful and saves me a lot of effort on typing everything out.”
- “I used ChatGPT to help me grade assignments; I provided the details of the assignment, my grading rubric, and directions on where to be strict or lenient. I asked for feedback that would be constructive for students, and I requested that ChatGPT be as consistent as possible to ensure fair grading. I used the output to help me grade the assignments, which was very useful in identifying some unconscious bias I had for some students’ style of writing and the topics/views they wrote about.”

Limitations

In sharing beneficial use cases, some participants also shared experiences where ChatGPT was not helpful. As a reminder, the primary model was ChatGPT-4o and feedback on poor experience generating images may be from participants using the Dall-E model rather than the new image generation model released later in the pilot evaluation period.

- **Weakness in image and design generation (likely Dall-E)**
 - Graphics, posters, and image refinements were often inaccurate or unusable: “I asked for its help in refining a poster’s aesthetics and it completely made it worse! I asked it to help ensure things were lined up and it moved lines diagonally!”
 - Loss of continuity and control in iterative design: “Prompts to improve an image instead create a new image almost from scratch and things I liked about the original are lost.”
- **Overly positive, lacking critical feedback in brainstorming:** Participants noted ChatGPT rarely challenges ideas: “ChatGPT finds every idea ‘very good’ and rarely criticizes your ideas.”
- **Struggles with complex or large-scale writing tasks:** When asked to write in specialized academic contexts, it sometimes did not deliver: “... provided only a summary of the idea, rather than the requested content.”
- **Inaccurate or poorly rendered graphs, charts, and visualizations:** Some noted unreadable or flawed outputs: “It overlapped the graphs and made the entire thing unreadable.”
- **Unreliable for data analysis:** Limited with larger datasets, inaccurate outputs, and less effective than other tools: “It honestly hasn’t been super helpful for this [data analysis] purpose. I fed it some de-identified data once to see if it could reproduce the results I got another way, and it just could not do it. So I don’t trust it for this purpose.”

- **Surface-Level or inaccurate summarization and synthesis:** Failed to capture nuance, omitted key information, or hallucinated details: “A great deal of caution needs to be taken when you're pushing the limits of published knowledge. ChatGPT really really really wants to say ‘yes’ to any question... [it] made up several nice sounding studies in support.”
- **Limited use for literature review and scholarly research:** Could not access key databases, fabricated citations, and produced shallow reviews: “It is not very good at literature review... all the references were incorrect.”
- **Time and effort not justified by output:** Users sometimes found it faster to do the task themselves: “Creating communication, project, and event plan templates are fairly helpful... but I might as well have written the plan itself in that time.”
- **Trust and accuracy issues undermine confidence for certain uses:** Repeated errors reduced reliability: “I did not feel comfortable with the accuracy of ChatGPT’s analysis, so I discontinued using it for that purpose.”

Appendix A: How Use Cases Were Analyzed

Participant feedback was reviewed, analyzed, and synthesized by doing the following:

1. Cleaning data by removing participants who were not actively using ChatGPT Edu and removing non-responses (e.g., “NA”).
2. Reading through all beneficial use cases and prompt feedback.
3. Organizing representative feedback or prompts, or paraphrasing usage, by domain (e.g., teaching) and category (e.g., writing).
4. Organizing, with the assistance of ChatGPT Edu, the feedback within a use case category into a grouping of use cases.
5. Reviewing ChatGPT Edu produced content against original prompts to check for accuracy and representation. Changes made after reviewing included:
 - a. Adding notable uses that were not included.
 - b. Removing uses that did not seem useful.
 - c. Adding in more of a quotation for context.
6. Revising quoted feedback or prompts for consistency and grammar and also to redact information. This includes changing information in quotations for readability, but not altering the substance of the feedback. Some prompts shared were long and very specific—if included, the prompts were usually excerpted and had parts redacted in an attempt to avoid the participant being identified.