In this assignment, we are going to explore the capabilities and limitations of ChatGPT 3.5 and Claude as a Co-Author, Text Data analysis tool, and Idea Generator.

Part 1: ChatGPT 3.5 as a Co-Author

Writing is a process that benefits from collaboration. In this part, you'll use ChatGPT to co-author a short story. But we'll have fun with it by imagining that GPT is also your favorite author.

Task 1.1: Set the Stage for Co-Authorship

Log into your ChatGPT account and inform it that you're going to co-author a short story. Choose a favorite author and ask ChatGPT to write in that author's style.

Example Starting Prompt

- ```
  You will be my co-author for a short story. To make it more
  interesting, please write in the style of my favorite author, [Favorite
  Author's Name]. I will start the story, and then we'll take turns
  adding to it. Please make this like a co-authoring exercise where we
  edit each other's responses in addition to adding material.  Ok, here
  is the initial draft for the story: [Start a short story in 4-5
  sentences]
  ```

ChatGPT will then add its part. Feel free to edit what they wrote or add to it. Continue this back and forth for five rounds.

Task 1.3: Save the Output

Save the complete dialogue as a .doc file named ChatGPT_CoAuthor_[Your Initials].doc.

Part 2: Claude as a Text Analysis Tool

Text data is everywhere, from social media to customer reviews. However, it has traditionally been difficult to analyze due to inconsistent formatting. In this task, you'll harness Claude to analyze Yelp reviews.

Task 2.1: Gather Yelp reviews

Go to Yelp.com and search for your favorite business/restaurant/establishment. Click on the firm you choose and scroll down to the bottom to read the reviews. Open a blank word document and copy the first 10 reviews (it'll require you click through two pages of review). After you collected these reviews, save as "reviews.doc".

Task 2.2: Upload to Claude for Analysis

Log into your Claude account and upload the word document you just created. The upload button is next to the text prompt in Claude and is a paperclip icon. Then in five follow-up prompts, ask Claude to analyze the text for sentiments and themes.

Example Prompts

- `Identify the most frequently mentioned positive and negative aspects.`
- `What is the overall sentiment of these reviews?`
- `How should this business change their strategy to address these consumer's concerns?`
- `How could I quantify and measure these reviews to gain insight on customer sentiment over time?`

Task 2.3: Save the Output

Save the complete dialogue as a .doc file named Claude_YelpAnalysis_[Your Initials].doc.

Part 3: ChatGPT as an Idea Generator

Generating ideas is an essential skill in almost any field. Here, you'll engage in a brainstorming session with ChatGPT or Claude.

Task 3.1: Initiate Brainstorming

Example Starting Prompt

- `I want to brainstorm ideas for a [Problem or question described in 2-3 sentences].  Let's have a back-and-forth brainstorming session."`

Task 3.2: Engage in a Brainstorming Session

Take the ideas that ChatGPT generates and start to critique them. Tell it to keep the ideas you like and discard the others. Give it direction on how to improve the ideas you like. Do your best to push its creative limits. Engage with ChatGPT for at least five prompts before concluding.

Example Prompts

- `What are some unconventional approaches to solving this?`
- `What are shortcomings to this idea in terms of feasibility?`
- `If this idea is so great, why hasn't it been tried yet?`

Task 3.4: Save the Output

Save the dialogue as a .doc file named `ChatGPT_Ideas_[Your Initials].doc`.

Part 4: Reflection

Answer the following questions by hand on a piece of paper (2-3 sentences each). Take a picture and upload it:

1. How did co-authoring a short story with ChatGPT affect your perception of creativity in artificial intelligence? Were there elements in the storytelling that particularly stood out for you?
2. Regarding the text data analysis, did the AI's ability to interpret and analyze Yelp reviews change your view on how AI can be applied in social science research or market analysis?
3. During the brainstorming session, did you notice any limitations in the AI's ability to generate or build upon ideas? Were there instances where the AI provided unexpected but valuable insights?
4. If you were to use ChatGPT or Claude in a real-world job scenario based on this assignment, what specific tasks would you confidently delegate to these AI tools, and why?
5. What was the most surprising or unexpected learning outcome from this assignment? How has this impacted your view on the role of AI in academic or professional settings?

Submission Guidelines

- Submit all three .doc files: `ChatGPT_CoAuthor_[Your Initials].doc,` `Claude_YelpAnalysis_[Your Initials].doc, and ChatGPT_Ideas_[Your Initials].doc`
- Upload a picture of your handwritten reflection answers.