Principles of Macroeconomics
Discussion Activity 5
June 3rd, 4th, 5th, 6th

We have been working with AI during many of our discussion activities throughout the term. Hopefully you feel more comfortable working with different AI platforms and have started to notice differences in how the models respond to you.

This week, you are going to interact with the AI platform in a slightly different way that is meant to help you study for not only the final exam, but future endeavors.

Part 1: Solo Activity – The Student becomes the Teacher

As I have mentioned throughout the term, the best way to test your understanding of a concept is to teach the material to someone else. While that may not be practical in real life, we can utilize the various AI platforms to assess our explanations of material.

Navigate to Activity 5 in the course website. There, you will see an interface that guides you as to how you can interact with an AI platform in a more specialized manner. You will want to find a question in the course on a topic that has caused you trouble. Paste the question into the appropriate box and click "Generate AI Prompt".

This will create a prompt. Read it and understand what is being asked. There is an option to copy the prompt and links to a number of AI models. Copy the prompt into the platform of your choice. Go through the process of trying to explain the answer to the AI bot. **Answer question 1 below.**

Before moving on to the next part, paste the prompt into a different AI than the first one you used. *Try to convince the AI that an incorrect answer is correct.* **Answer question 2 below.**

Part 2: Crowdsourcing a Practice Exam

After asking the AI to role-playing through a question with the AI, your next task will be to work with the AI (and as a group) to produce a new practice exam.

In order to make this happen, click to the next part of the activity on the website. Another box will appear to input a question that you want to have altered and added to a class practice exam. After you input the question, you can click "Generate AI Prompt". Again, read it and understand what is being asked.

After you paste in the prompt, you will work with the AI to come up with a new question and answer that tests the same topic of the question you wanted to focus on. Here, you will take on a slightly different role than "teacher" and instead work alongside the AI to come up with the best explanation for the answer. After you create your new question and answer, paste it into the Discussion Google Doc to create a full-fledged practice exam. You will be able to access this practice exam as it grows.

Part 3: Time Permitting…Take the Practice Exam and Discuss the Results with your Peers

With remaining time, you have a crowdsourced practice exam to take and work through. This can be done individually or in small groups. Alternatively, your TA can go over questions you are still struggling with.

Reflection Question Responses

Name:_____ Perm #:_____

1. When you took on the role of "teacher" and explained concepts to the AI, what did you discover about your own understanding of the material? Were there moments where you thought you knew something well, but struggled to explain it clearly? Did this exercise reveal gaps in your knowledge that you hadn't noticed before?

2. You attempted to convince an AI that an incorrect answer was correct. Did the AI acquiesce to you, or push back against your explanation? What does this experience teach you about the importance of critical thinking when using AI tools, and how might this apply to your future academic and professional work?

3. After creating your question, did you like the experience of working with the AI platform to come up with a question more or less than having the AI act like a student? Do you envision using either approach to help you study?

4. How has your understanding and feelings about using AI in education changed over the course of the term? This was experimental for me and I am glad you were willing to participate. Do you think future courses should have more, less, or the same amount of exposure to AI?