Module 1: Subfield Exploration

Name:

1 Intro

This worksheet will help you explore various topics you generated last week in more depth and guide you towards choosing a research topic that is meaningful to you.

1.1 Why Research Anything?

Before we begin, I want you to spend a little bit thinking about why you are in this particular place spending your time on this particular activity. Write a paragraph or more about what you want to see as a result of taking on this intellectual challenge, about what is important to you, and how being here and participating in this relates. Maybe you don't know all the answers yet. As long as you have questions that's ok. Honestly, I never stop asking these questions. I never arrive at one answer, but I feel like I continually respond to them as I keep living. Have fun with it!

TODO: Your answer here

2 Exploration

Using the list of interests from Worksheet 0, with your group assign one topic per 1 or 2 people. Then fill out the following questions about this subfield!

a) Provide a brief introduction to your chosen topic in ML/Neuro/Cog Sci. research. Define any key terms or concepts that are important for understanding your topic.

TODO: Your answer here

b) List some real-world applications of your chosen topic. Explain how your chosen topic can be applied in each of these applications.

TODO: Your answer here

c) List some potential future directions for research in your chosen topic. Explain why these future directions are important and what they could contribute to the field of machine learning.

TODO: Your answer here

d) What questions do you still have about this topic? What resources were helpful in answering these questions?

TODO: Your answer here

e) **WITH YOUR TEAM** Meet (Discord or in person) and summarize the topic that you explored. What was the most interesting? Of all the topics your group explored, do you think you might want to pursue one in particular? Did these topics give you any ideas of your own? Did it reveal any other areas of interest that you have not yet explored?

TODO: Your answer here