

Practice Exercise

Artificial Intelligence: Preparing Your Career for AI

In this exercise, we will apply what we've learned in this course in preparation for developing an action plan to help you prepare your career for AI. Please answer each of the following questions to help you think more deeply about the recommendations in this course and how they apply to you specifically. We will use your responses to develop our action plan next.

1. Educate Yourself About AI

1-1. Find and list three potential sources of information for learning about basic AI literacy.

1-2. Describe your objective with AI. Do you want to train AI models, develop AI apps, or use AI tools?

1-3. Find and list three potential sources of training for the objective you described above.

1-4. List three ways you can practice your skills to ensure that you are comfortable using AI.

1-5. Verify the credentials, qualifications, and experience, and of the author of the training you listed above. Do they seem like reliable sources? Why or why not?

2. Upgrade Your Career for AI

2-1. Describe what tasks in your job are most at risk of automation and what tasks are at low risk of being automation. Use the risk factors described in this course for reference.

2-2. Describe three factors that indicate that your company is at risk of becoming obsolete from AI and three factors that indicate that they are embracing AI.

2-3. Describe your ideal job role and how AI fits into that role.

2-4. Describe how your ideal job fits into the AI value stream or ecosystem built on top of AI tech.

2-5. List the top three most human aspects of your job. What makes these aspects uniquely human?

3. Invest in an AI-first Economy

3-1. Describe why investing in your education and career is more valuable than other investments.

3-2. List three real-world problems in your job that you believe might be solvable with modern AI.

3-3. List three potential sources of income other than your labor that you could leverage if necessary.

3-4. Find three index funds from various providers (e.g. Vanguard) and list their stock symbol, average rate of return, and expense ratio. What are the pros and cons of each of these three funds?

3-5. Compute the expected growth of the three index funds you chose above if you were to invest 20% of your income per year from today until you reach retirement. Use an online calculator like this: <https://smartasset.com/investing/investment-calculator>

4. Use AI Responsibly and Ethically

4-1. List the three biggest ethical issues you foresee with AI and potential solutions to these problems.

4-2. List three types of bias that could affect your AI models and how you could prevent these biases.

4-3. List three ways you could make a black-box AI model more transparent.

4-4. List three ways you think your personal data might be abused and how you could prevent it.

4-5. Search online for and summarize your country's current plan and overall policy for AI. What are they saying they plan to do vs. what are they actually doing to make the world a better place with AI?

5. Adapt to What Comes Next

5-1. Describe a time in your life where you fought change rather than embracing it. How might things have been different if you would have adapted to change rather than fighting it.

5-2. Describe a time where you discovered that a previously held belief was incorrect. How might you have avoided acquiring this incorrect belief in the first place?

5-3. Describe a time when you refused to accept an opposing viewpoint that you later discovered was correct. How might taking a more open-minded position have been beneficial in this case?

5-4. List three things that were common and normal many years ago that would be odd or socially unacceptable now. What things do we do today that might seem unacceptable in a few decades?

5-5. Search online for the scientific benefits of mindfulness practices like meditation and yoga. Of the benefits you found, list the top three benefits that would make the most impact in your life and why.