Autonomous AI Mindset Profile

Answer the questions and keep track of your results. Then go to the next page to learn about the mindset you bring to creating autonomous AI. There is no right or wrong mindset. Each comes with its own strengths and challenges that you can learn to use and balance. Later in the course you will also learn about how to develop the mindset of a teacher.

If an industrial customer asked you to solve an automation problem, where would you typically start?

- ☑ (1) Research the industrial process
- ☐ (2) Build a quick prototype solution to test the merit of a few ideas
- ☐ (3) Read research papers on relevant algorithms
- ☐ (4) Read research on how ML and AI has been applied to similar processes

Which tool are you most likely to use to work out your solution approach?

- ☑ (1) Whiteboard or scratch paper
- ☐ (2) Code editor
- ☐ (3) Data science toolkit
- ☐ (4) Reinforcement Learning or Optimization platform

Which problem solving mantra most resonates with you?

- ☑ (1) The best solution is the solution that works
- ☐ (2) Experiment, experiment, experiment
- ☐ (3) The answer is in the data
- ☐ (4) There's a novel approach out there, if I can just find it

What excites you most about technical problem solving?

- ☑ (1) Beating the benchmark
- ☐ (2) Building the prototype
- ☐ (3) Exploring the data and finding patterns
- ☐ (4) Trying new technologies

If you chose mostly 1s . . .

You are the engineer

You have a problem-solving mindset. You want to get the job done and aren't picky about what tools you use to get there. Mathematical calculations and heuristics are your comfort zone, and your key tool is the whiteboard.

If you chose mostly 2s . . .

You are the software developer.

You are focused on code. You have an experimental outlook and are comfortable writing algorithms to explore the problem and look for solutions.

If you chose mostly 3s . . .

You are the data scientist.

You find solutions in data and are very comfortable analyzing it and using it to make decisions. You are able to use the strengths of machine learning to recognize patterns in data and exploit these patterns to control processes.

If you chose mostly 4s . . .

You are the AI researcher.

You are closely related to the data scientist, but your specialty is creating learning systems and exploring their capabilities. You're interested in pushing the bounds of what's possible and using machine learning in new ways.