

Introduction to Generative AI

Course Introduction



Topics

- The AI Landscape
- Generative AI
- Current State of GAI
- GAI Technology
- Generative Adversarial Networks
- Issues with GAI

About the Course

- This is a high level overview
 - Designed to give you a conceptual understanding of the topics
 - This is a starting point for you own learning process
 - There is a LOT more to each of these topics
 - To go into depth on each topic would take months of lectures
 - We are avoiding most of the math that goes along with the topics
- The labs are intended to reinforce the ideas
 - They are not typical of the complexity of doing this sort of work in real life

Logistics

- Review of class hours and breaks
- Class materials are in the class GitHub repository
 - The URL will be provided at the start of the class
 - Materials will be available for 30 days
- AWS temporary student accounts will be provided
 - Login information will be given in class
 - These will be available until the end of the course

Rod Davison

45 years experience

Academia (math, linguistics, cognitive science)

Artificial Intelligence R and D

Software Development - AI NLU, expert systems,
compilers, application development

Data Analytics – Social Research, Market Research

Project Manager

Quality and Testing

Software architecture and systems design

Business Analysis

Consulting and Training



Introductions

- Please introduce yourself
 - Name you prefer to be known by in class
 - Your area of expertise or specialization (developer, tester, etc.)
 - Technical background and experience with Machine Learning and AI
 - Specific goals or expectations for what you hope to learn

A detailed Renaissance-style painting of Plato's Academy. The scene is set in a grand hall with classical columns and a landscape view through an archway. Numerous figures, including Plato and Aristotle, are depicted in various poses, engaged in philosophical discussion. Plato, an older man with a white beard, stands in the center, pointing his right index finger towards the sky. He is surrounded by other figures, some seated and some standing, all dressed in classical robes. The background features a series of columns and a distant landscape with mountains and a building. The overall composition is dynamic, with figures arranged in a semi-circle, creating a sense of depth and movement. The word "Questions?" is superimposed in the center of the image.

Questions?

End of Module

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