MIS3536 – Information Systems Innovation with AI
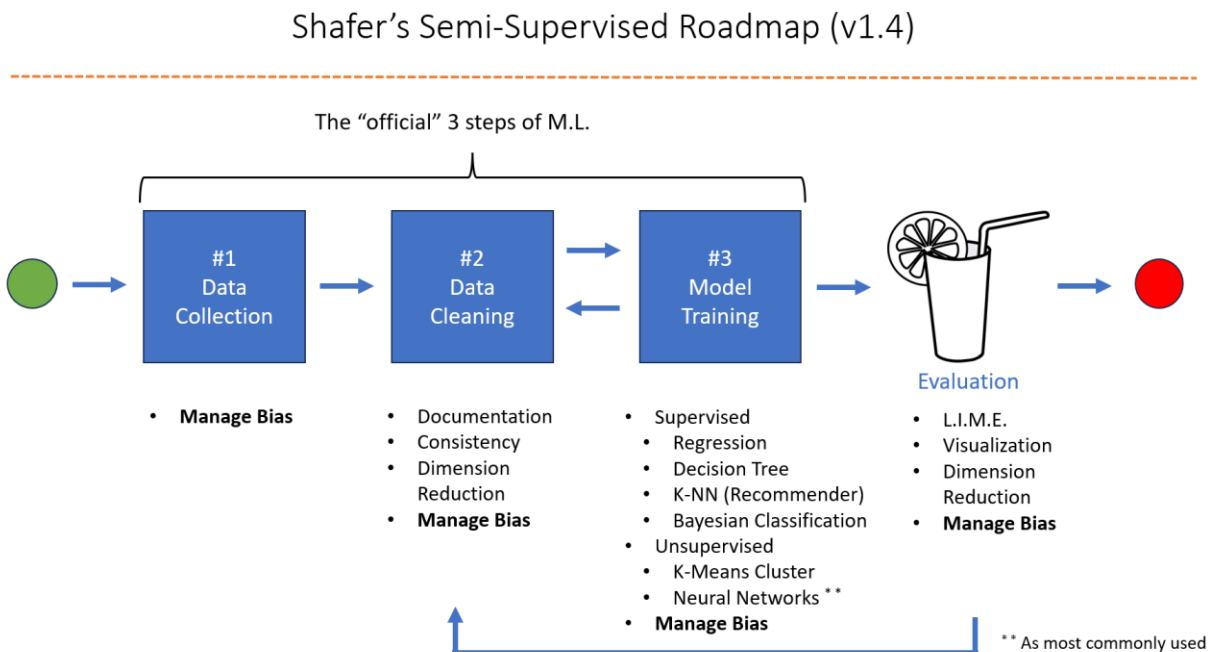
Study Guide – Exam 1 – Fall 2024

The exam will be comprised of 50 multiple choice questions. The questions will be worth two points each. The exam will be paper-based, and students will report their answers using a SCANTRON.

Exam 1 is a closed book, closed note exam. Students will be given the full class period to complete the exam.

Students should review the material we have studied up until this point in the semester. The following diagram is offered as a form of overview. Students should be familiar with the terms used in this diagram.

Shafer's Semi-Supervised Roadmap (v1.4)

The exam questions will be derived from material found in the lectures. This includes the assigned "Intro to Large Language Models" video by Andrej Karpathy.

The exam will *not* directly/deliberately reference and of the "Long reads" Case study discussions.

There is a natural overlap between the content of the "Roadmap Activities" and the lecture materials. Students should treat the lecture materials as the primary source of information.

Students will not be expected to answer questions related to specifics related to Python code.

CONTINUED

Students should study material found in the following:

From Week 1: MIS3580-AI-ML-DL.pptx

From Week 2: MIS3580-Supervised-vs-Unsupervised-Learning.pptx

From Week 2: MIS3580-Interpretability.pptx

From Week 4: MIS3580-Managing-Bias.pptx

From Week 5: MIS3580-Intro-Bayesian-Cognition-v1-1.pptx

From Week 6: MIS3580-LLMs.pptx

From Week 6: Intro to Large Language Models (by Andrej Karpathy)

From Week 7: MIS3580-When AI Hallucinates.pptx