

# Academic Year 2024-25 Seminar Plan

This document is a high-level guide for The Data Mine’s seminar project plan for academic year 2024-25.

## Fall 2024

### TDM 100

- Introduction to basic Python concepts.
- Introduction to basic R concepts.

### TDM 200

- Introductory HPC research concepts.

### TDM 300

- Introduction to machine learning.

### TDM 400

- Neural networks

## Spring 2025

### TDM 100

- Intermediate concepts in Python.
- Intermediate concepts in R.

### TDM 200

- Optomization techniques in HPC environments.

### TDM 300

- Machine learning and model development.

### TDM 400

- Neural networks, guided self-study.

Draw a box to comment

### Notes:

- Potentially look at intro then application. Maybe have ML first semester and then HPC application the second.
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