

The Erdős Institute

May 2023 Data Science Boot Camp

Schedule

Lectures

Zoom lectures will be held from 5:30 PM - 7:00 PM ET Monday, Tuesday, Wednesday, and Thursday from May 8, 2023 to May 25, 2023. The Zoom link is accessible from your Erdős Institute profile.

Problem Solving Sessions

There will be two problem solving sessions that meet for one hour each Monday, Tuesday, Wednesday, and Thursday (except for on May 8, 2023). Both sessions are identical, we just hold two to account for different schedules and attendance numbers. You will be assigned to *one* of these problem solving sessions at the start of the boot camp.

- Problem solving session 1 will be held from 10:00 AM - 11:00 AM ET,
- Problem solving session 2 will be held from 4:00 PM - 5:00 PM ET.

The Zoom link for the problem sessions will be accessible from your Erdős Institute profile.

Final Project

Work Period

You are given from May 26, 2023 to June 2, 2023 to work on your group projects.

Due Date

Final projects must be submitted by June 2, 2023 at 11:59 PM ET in order to receive a certificate of completion.

Commencement and Project Showcase

The Boot Camp Commencement and Project Showcase will be held on Wednesday June 7, 2023 from 12:00 PM - 1:30 PM ET. The top 5 projects and best overall project will be announced during the showcase.

Content Schedule

Below is a tentative daily schedule for the boot camp. This schedule may change slightly, depending on how much we are able to cover during the boot camp.

Monday May 8, 2023

Lecture

- Introduction, Computer Setup, and Q&A

Problem Solving Session

- No Problem Solving Session Today

Tuesday May 9, 2023

Lecture

- Data Collection

Problem Solving Session

- Setup check, Python practice

Wednesday May 10, 2023

Lecture

- Intro to Supervised Learning
- Regression I

Problem Solving Session

- Data Collection

Thursday May 11, 2023

Lecture

- Regression II

Problem Solving Session

- Regression I

Monday May 15, 2023

Lecture

- Regression III
- Time Series I (Start if time)

Problem Solving Session

- Regression II

Tuesday May 16, 2023

Lecture

- Time Series I

Problem Solving Session

- Regression III

Wednesday May 17, 2023

Lecture

- Time Series II

Problem Solving Session

- Time Series I

Thursday May 18, 2023

Lecture

- Classification I

Problem Solving Session

- Time Series II

Monday May 22, 2023

Lecture

- Classification II
- Principal Components Analysis

Problem Solving Session

- Classification I

Tuesday May 23, 2023

Lecture

- Classification III
- Ensemble Learning (Start if Time)

Problem Solving Session

- Classification II

Wednesday May 24, 2023

Lecture

- Ensemble Learning

Problem Solving Session

- Classification III

Thursday May 25, 2023

Lecture

- Neural Networks

Problem Solving Session

- Ensemble Learning

May 26, 2023 - June 2, 2023

Work on your group project.

Saturday June 3, 2023

Project due by 12:00 PM ET.

Wednesday June 7, 2023

Commencement and project showcase 12:00 - 1:30 PM ET. See your Erdős profile for the Zoom link.