

# The Erdős Institute

## Fall 2023 Data Science Boot Camp

### Schedule

## Dates

The Fall 2023 Data Science Boot Camp will run from September 6, 2023 to December 6, 2023.

## Lectures

Live zoom lectures will be held from 5:30 PM - 7:00 PM ET on Thursdays. The Zoom link is accessible from your Erdős Institute profile.

## Problem Solving Sessions

There will be a live problem solving session that meets for one hour each week. The time of these sessions is still being determined.

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

## Final Project

The due date for the final project is still being determined.

## 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.

### Thursday September 7, 2023

#### Lecture

- Introduction, Computer Setup, and Q&A

### Thursday September 14, 2023

#### Lecture

- Data Collection

### Thursday September 21, 2023

#### Lecture

- Intro to Supervised Learning
- Regression I

### Thursday September 28, 2023

#### Lecture

- Regression II

## **Thursday October 5, 2023**

### **Lecture**

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

## **Thursday October 12, 2023**

### **Lecture**

- Time Series I

## **Thursday October 19, 2023**

### **Lecture**

- Time Series II

## **Thursday October 26, 2023**

### **Lecture**

- Classification I

## **Thursday November 2, 2023**

### **Lecture**

- Classification II
- Principal Components Analysis

## **Thursday November 9, 2023**

### **Lecture**

- Classification III
- Ensemble Learning (Start if Time)

## **Thursday November 16, 2023**

### **Lecture**

- Ensemble Learning

## **Thursday November 23, 2023**

U.S. Thanksgiving Day

## **Thursday November 30, 2023**

### **Lecture**

- Neural Networks