Exercise: Neural Methods for Urban Data Science

Objectives

In this exercise, you will use multiple neural network architecture to make predictions of rideshare demand.

You will run code to train various models and consider the tradeoffs in their output.

After completing this exercise, you will:

1. understand the challenges and requirements of modeling city-scale spatiotemporal urban prediction problems
2. have access to working models using state of the art techniques
3. understand the tradeoffs between these models

Code:
The code we will use is available on github:
https://github.com/annieyan/RideAustin_demand_prediction

Setting up:

```
$ git clone git@github.com:billhowe/urbanalyticssummerschool.git
$ cd urbanalyticssummerschool/part2/exercise2
$ git clone https://github.com/annieyan/RideAustin_demand_prediction.git
```

Datasets:
RideAustin Rideshare dataset

Getting Started:

Goal 1

Goal 2

Goal 3

What to turn in: