2024 CAS RPM Workshop

Dangerous in a Day; Models with Python

Class Schedule

8:00 AM Start; Intros & Schedule

8:05 AM Student goals and purpose sharing

8:10 AM pip install all packages & make ‘2024 RPM Python’ folder on desktop

8:20 AM Lesson 1; Lists, Dictionaries, & Dataframes

8:50 AM Break

9:00 AM Continue Lesson 1

9:20 AM Lesson 1 Exercises

9:30 AM Lesson 2; Importing, Manipulating, and Analyzing Data

9:50 AM Break

10:00 AM Continue Lesson 2

10:10 AM time checkpoint – skip to minimize dtypes

10:20 AM Lesson 3; Data Visualization – Charts & Widgets

10:50 AM Break

11:00 AM Lesson 3 Exercises

11:10 AM Lesson 4; Data Visualization - Maps

11:30 AM Lesson 4 Exercises

11:38 AM Lesson 5; Advanced Folium Maps – Bonus code

11:40 AM Questions & Discussion

12:00 PM Lunch

1:00 PM Lesson 6; GLM

1:50 Break

2:00 PM Lesson 6 Group Exercise (Correlation & VIF using google)

2:20 PM Lesson 7; GBM

2:50 Break

3:00 PM Continue Lesson 7

3:30 PM Lesson 8; Parallel Processing with Ray

3:50 Break

4:00 PM Open Activity (students’ choice)

4:30 PM Questions & Discussion

5:00 PM Finish