

R bootcamp syllabus

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Friday

8am-9am: M1 – What is R lecture

9am-9:05am: Break

9:10-12:00pm: M2+M3 – Data Types and Manipulation

M2

Vectors

Matrices

Factors

Dataframes

Lists

M3 – Data Manipulation

Exercises- Reni

12:00-1:15pm: Lunch

1:15-3:00p: M4 – Writing your first script

Lecture on functions– brief ppt

html document with functions, summary stats and fixing errors- loops apply functions function that has a summary stats

3:00-3:05: Break

3:15pm- 4:30pm: The script

creating your first script

commenting

exchanging

Saturday

8am-9am: Recap script + scramble exercise

open your script on their own and then exercise

9:15am: Break

9:25am:12:15pm: M6 Data visualization M6

basic, gg plottly

exercise collaborative coding

12:15-1:15pm: Lunch (pizza provided)

1:15-3:00pm: M7– Simulations

Simulationg data in R

Exercise incorporating all skills

3:00pm: Break

3:15-5:00pm

Continuation

Wrap up