

Data Science Graduate Programme

Year 1

Statistics

09 January 2024



Day 1 (Tuesday 9th January)

Time	Session
09:30 – 09:45	Welcome & Introduction
09:45 – 10:45	Introduction to Distributions
11:00 – 12:30	Distributions Workshop (Parallel Sessions – Python / R)
12:30 – 13:30	Lunch Break
13:30 – 14:30	Introduction to Hypothesis Testing
14:30 – 15:50	Independent study
15:50 – 16:00	Check-in

Day 2 (Wednesday 10th January)

Time	Session
09:30 – 09:45	Check-in
09:45 – 10:45	Exploratory Data Analysis (EDA)
11:00 – 12:30	EDA Workshop (Parallel Sessions – Python / R)
12:30 – 13:30	Lunch Break
13:30 – 14:30	Introduction to Linear Models
14:30 – 15:50	Independent study
15:50 – 16:00	Check-in

Day 3 (Thursday 11th January)

Time	Session
09:30 – 09:45	Check-in
09:45 – 11:15	Linear Models Workshop (Parallel Sessions – Python / R)
11:15 – 12:30	Independent Study
12:30 – 13:30	Lunch Break
13:30 – 15:00	Independent study
15:00 – 16:00	Kahoot

Python Resources

Time	Session
Distributions	Chapter 3 (Statistics in Python)
Hypothesis Testing	Hypothesis testing in Python
EDA	Chapter 1 (Statistics in Python)
Linear Models	Chapter 2/3 (Statistics in Python)

R Resources

Time	Session
Distributions	Chapter 1 (Statistics in R)
Hypothesis Testing	Chapter 3 (Statistics in R)
EDA	Chapter 2 (Statistics in R)
Linear Models	Chapter 4/5 (Statistics in R)

Questions?

