

# COMP 2025 INTRODUCTION TO DATA SCIENCE

**Credit Points** 10

**Legacy Code** 301486

**Coordinator** Liwan Liyanage (<https://directory.westernsydney.edu.au/search/name/Liwan Liyanage/>)

**Description** Analysis of data is essential for scientific investigation, modelling processes and predicting future events. Data Science is the investigation of the tools required that allow us to perform this modelling and prediction. The increase in accessible data over the past few decades has promoted the use of Data Science, making it a desired skill in many professions. In this subject we further investigate the methods of regression, clustering and classification that form the basis of a data scientist's toolbox.

**School** Computer, Data & Math Sciences

**Discipline** Computer Science, Not Elsewhere Classified.

**Student Contribution Band** HECS Band 2 10cp

Check your fees via the Fees ([https://www.westernsydney.edu.au/currentstudents/current\\_students/fees/](https://www.westernsydney.edu.au/currentstudents/current_students/fees/)) page.

**Level** Undergraduate Level 2 subject

**Equivalent Subjects** MATH 2009 - Introduction to Data Science

## Assessment

The following table summarises the standard assessment tasks for this subject. Please note this is a guide only. Assessment tasks are regularly updated, where there is a difference your Learning Guide takes precedence.

Type	Length	Percent	Threshold	Individual/ Group Task	Mandatory
Multiple Choice	10 min per quiz	20	N	Individual	N
Numerical Problem Solving	to consist of 10 or so pages of text, not including code and output	30	N	Individual	Y
Interview	15 min per student	10	N	Individual	Y
Numerical Problem Solving	to consist of 10 or so pages of text, not including code and output	40	N	Individual	Y

Teaching Periods

## Sydney City Campus - Term 1 (2025)

### Sydney City

#### On-site

**Subject Contact** Antoinette Cevenini (<https://directory.westernsydney.edu.au/search/name/Antoinette Cevenini/>)

[View timetable](https://classregistration.westernsydney.edu.au/odd/timetable/?subject_code=COMP2025_25-SC1_SC_1#subjects) ([https://classregistration.westernsydney.edu.au/odd/timetable/?subject\\_code=COMP2025\\_25-SC1\\_SC\\_1#subjects](https://classregistration.westernsydney.edu.au/odd/timetable/?subject_code=COMP2025_25-SC1_SC_1#subjects))

## Vietnam Session 2 (2025)

### Vietnam

#### On-site

**Subject Contact** Liwan Liyanage (<https://directory.westernsydney.edu.au/search/name/Liwan Liyanage/>)

[View timetable](https://classregistration.westernsydney.edu.au/odd/timetable/?subject_code=COMP2025_25-UT2_UE_1#subjects) ([https://classregistration.westernsydney.edu.au/odd/timetable/?subject\\_code=COMP2025\\_25-UT2\\_UE\\_1#subjects](https://classregistration.westernsydney.edu.au/odd/timetable/?subject_code=COMP2025_25-UT2_UE_1#subjects))

## Spring (2025)

### Campbelltown

#### On-site

**Subject Contact** Liwan Liyanage (<https://directory.westernsydney.edu.au/search/name/Liwan Liyanage/>)

[View timetable](https://classregistration.westernsydney.edu.au/odd/timetable/?subject_code=COMP2025_25-SPR_CA_1#subjects) ([https://classregistration.westernsydney.edu.au/odd/timetable/?subject\\_code=COMP2025\\_25-SPR\\_CA\\_1#subjects](https://classregistration.westernsydney.edu.au/odd/timetable/?subject_code=COMP2025_25-SPR_CA_1#subjects))

## Parramatta - Victoria Rd

### On-site

**Subject Contact** Liwan Liyanage (<https://directory.westernsydney.edu.au/search/name/Liwan Liyanage/>)

[View timetable](https://classregistration.westernsydney.edu.au/odd/timetable/?subject_code=COMP2025_25-SPR_PS_1#subjects) ([https://classregistration.westernsydney.edu.au/odd/timetable/?subject\\_code=COMP2025\\_25-SPR\\_PS\\_1#subjects](https://classregistration.westernsydney.edu.au/odd/timetable/?subject_code=COMP2025_25-SPR_PS_1#subjects))