

# DS211

Data Analytics powered by Excel and VBA



## Learning Journey

10% Week 1

### Welcome & Orientation



- Familiarise yourself with our LMS - Learning Management System.
- Familiarise yourself with our weekly learning pathway.
- Make sure you have the necessary hardware and software.
- Familiarise yourself with our communication plan.
- Complete 5 Lens & Enneagram Assessment and Feedback

30% Week 2

### SU1 - Introduction to Data Analysis

#### To do:

- Download additional study material.
- Read study material.
- Attend facilitation sessions.
- Complete Quiz1-1.
- Complete Assignment Prac1-1.

#### Topics:

- Data science
- Basic data-analysis techniques
- Data-analysis tools
- Excel Tables



50% Week 3

### SU2 - Collection and Pre-Processing of Data; VBA

#### To do:

- Download additional study material.
- Read study material.
- Attend facilitation sessions.
- Complete Quiz1-2.
- Complete Assignment Prac1-2.

#### Topics:

- Collecting data from external sources
- Visual Basic for Applications (VBA)
- Macros in VBA
- Importing data from the web using code
- Edit, clean and validate imported data



70% Week 4

### SU4 - PivotTables to Analyse and Visualise Data

#### To do:

- Download additional study material.
- Read study material.
- Attend facilitation sessions.
- Complete Quiz1-3.
- Complete Assignment Prac1-3.

#### Topics:

- PivotTables
- PivotCharts



90% Week 5

### SU5 - Basic Statistics for Data Analytics

#### To do:

- Download additional study material.
- Read study material.
- Attend facilitation sessions.
- Complete Quiz1-4.
- Complete Assignment Prac1-4.

#### Topics:

- Basic statistical methods
- Descriptive statistics



100%

### Final stage



- Evaluate the course.
- Receive your certificate!

