DS214

Data Science using Power BI

Learning Journey





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.



Week 2 SU1 - Introduction to Power BI; Tables and Visualizations

To do:



Download additional study material.



Read study material.

Attend facilitation sessions.



Complete Quiz4-1.



Complete Assignment Prac4-1.

Topics:



Key concepts of business intelligence



The Power BI ecosystem



The Power BI desktop

Generating data



Creating visualizations





Week 3 SU2 - Project planning; Importing and Transforming data

To do:



Download additional study material.



Read study material.



Attend facilitation sessions.



Complete Quiz4-2.



Complete Assignment Prac4-2.

Topics:



Planning Power BI projects



An example scenario



Getting and transforming data



Merging, copying, and appending queries



Verifying and loading data



Week 4

SU3 - Data models & calculations; Unlocking insights; The final report

To do:



Download additional study material.



Read study material.



Attend facilitation sessions.



Complete Quiz4-3.



Complete Assignment Prac4-3.

Topics:



Creating a data model



Creating and checking calculations



Segmenting data



Advanced analysis techniques



Creating and preparing the final report





Final stage





Complete the Capstone Project.



Evaluate the course.



