

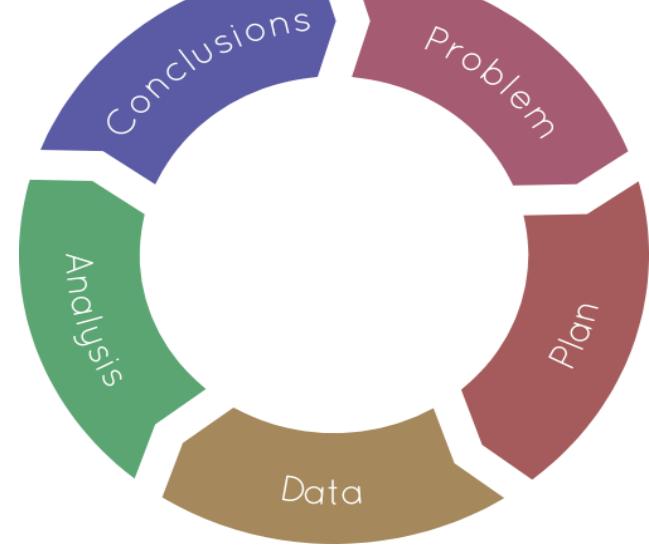
DATA SCIENCE

Extract meaning from large data sets to gain insights & support decision-making

Data visualisations are visual representation of data (such as charts and graphs) intended to help an audience process the information more easily and get a clear idea about the data at a glance.

Infographics are visual representations of data, often involving pictures that reflect patterns and help tell a story.

Infographics can include visualisations.



Define the problem that needs to be solved and pose questions that can be investigated.

Predict an answer to the question(s). Find a data set or make a plan to collect the data.

Gather the data. You should then cleanse the data before moving onto the next step.

Visualise the data. Spot any patterns, trends, correlations, or outliers. Write down your observations about what the data is showing you.

Answer the question and explain what the data reveals. Decide on a conclusion. Take action or form further questions to investigate.

Key words:

anomalies	conclusion	correlation
criteria	data analysis	data capture
data cleansing	data collection	data source
insight	outliers	prediction