

Quantitative Methods

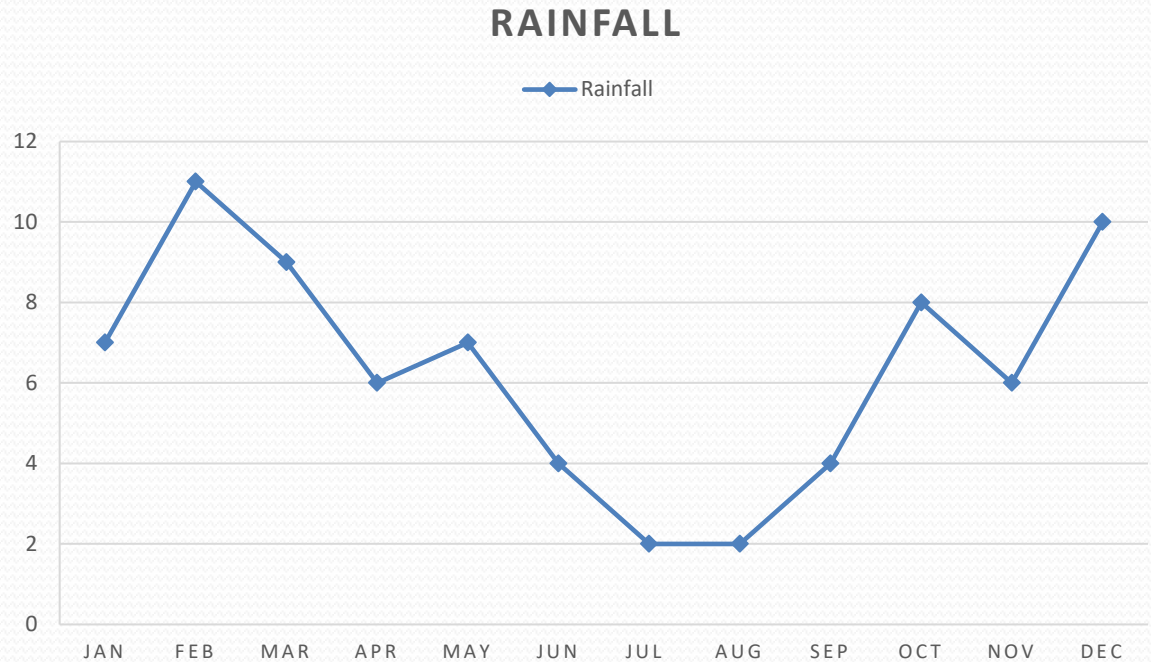
Trend Graphs

Module No. Cons 1012

Lecturer Jennifer Byrne

Trend Graphs

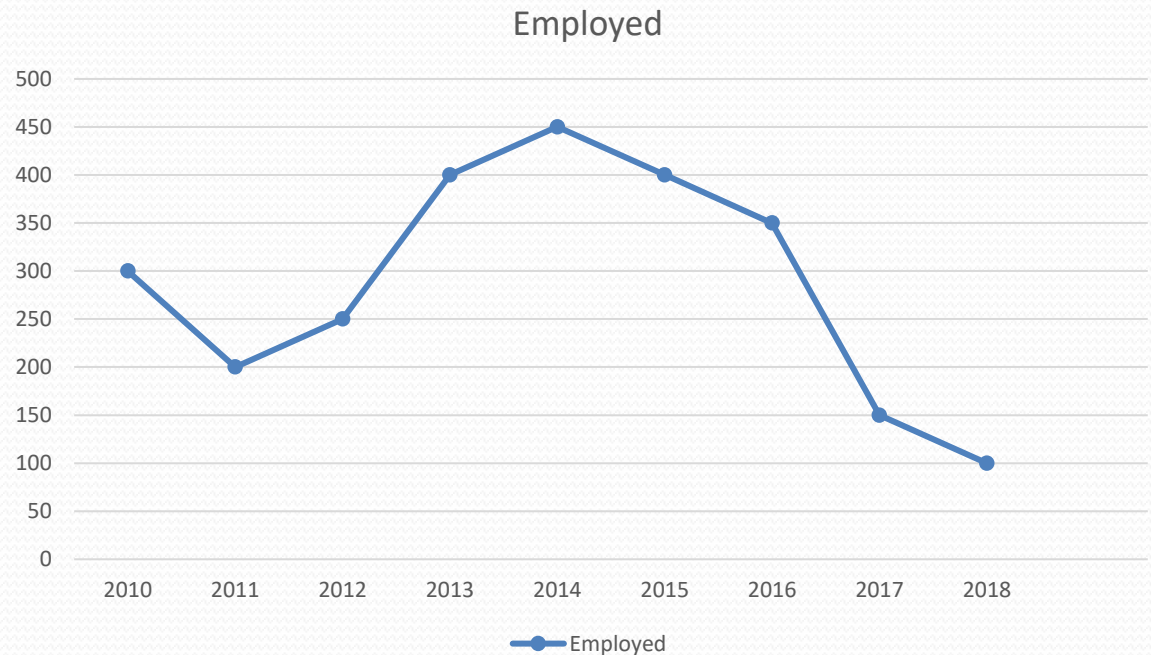
- Q. 1. The following trend graph shows the monthly rainfall in cms in Dublin over 12 consecutive months.



- Use the graph to answer the following questions:
- Which month had the highest rainfall?
- In which two months did exactly 6cm of rain fall?
- How many months had 8cm or more of rainfall?
- What was the total rainfall for the year?
- How many months showed an increase in rainfall?

Trend Graphs

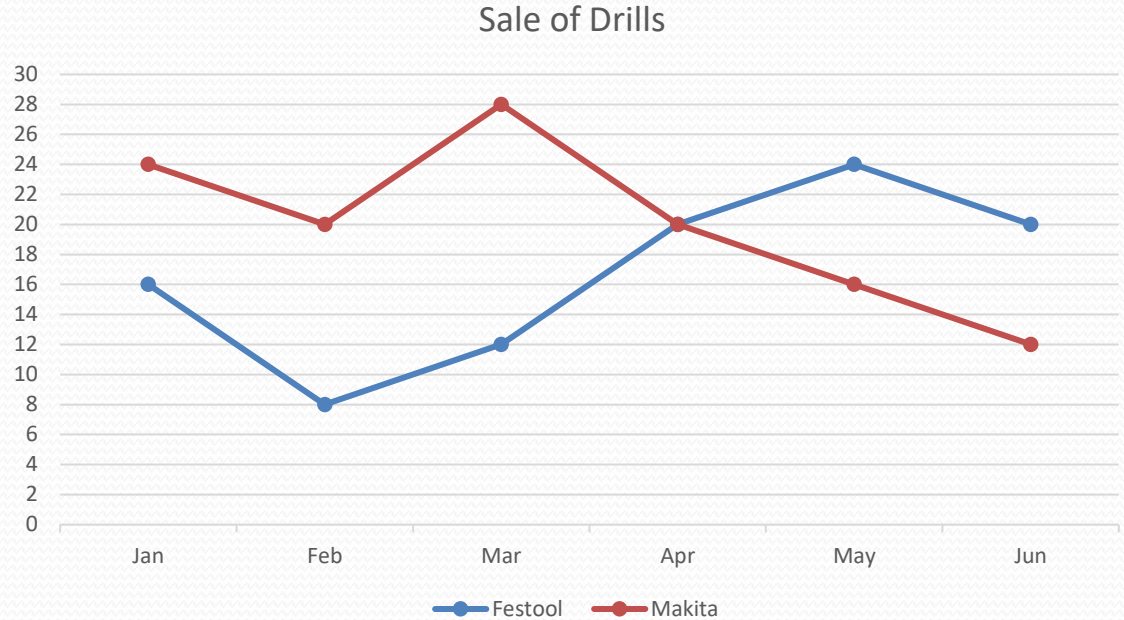
- Q 2. The following trend graph gives the number of people employed in a certain construction company for 9 consecutive years from 2010 to 2019.



- Use the graph to answer the following questions:
- In which year was employment at its lowest?
- For how many years were the numbers of employed people at 350 or higher?
- Between which two years was there the greatest drop in numbers employed?
- Express the number employed in 2017 as a percentage of the employed in 2013.
- How many years show a rise in the employed from the previous year?

Trend Graphs

- Q. 3. The trend graph below shows the sales of two brands of drills Makita and Festool for six months in a Tool Shop.



- Use the graph to answer the following questions:
- How many Makita drills were sold in March?
- Find the total number of Festool drills sold in the six months.
- In which months were the sales of Makita drills higher than those of the Festool drills?
- Which month had the lowest combined sales of both drills?
- If the profit on a Makita drill was €45 and the profit of a Festool drill was €50 calculate the profit made in May from the sale of these drills.

Trend Graphs

- Q 4. The temperature in a sitting room was recorded every four hours during a 24hr period. The results are shown in the table below.
- Draw a trend graph to represent this information.

Time	Midnight	4am	8am	Noon	4pm	8pm
Temp in °C	8°	4°	6°	10°	12°	16°