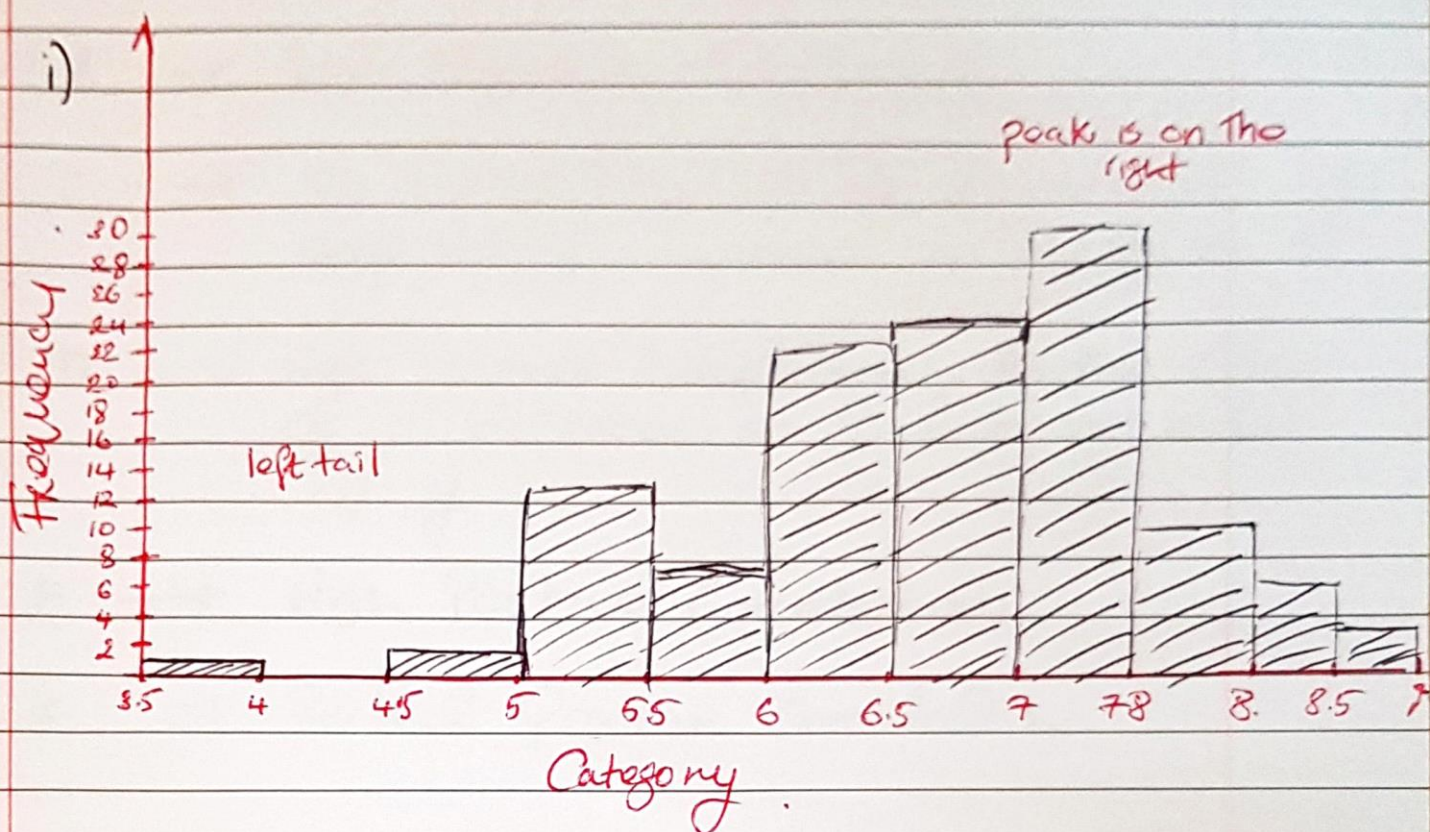


Tutorial 4 - Statistics Part 2.

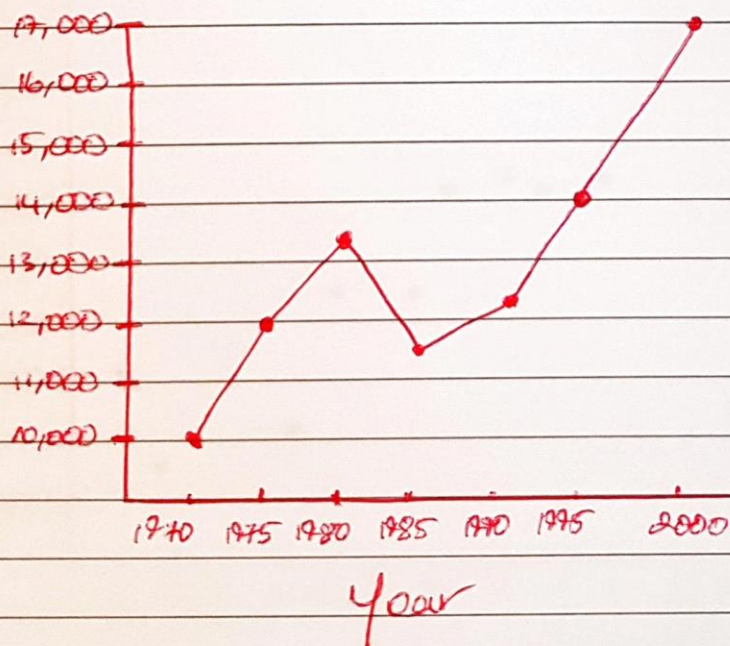
Section A: Graphs.

Q1 i)



ii) Skewed \rightarrow left skew, peaked to the right and the left tail is 'bigger' than the right tail.

Q2



Q3

A \rightarrow High Negative Correlation. Looking at the values as x increases, y is decreasing.

B \rightarrow Low Negative Correlation.

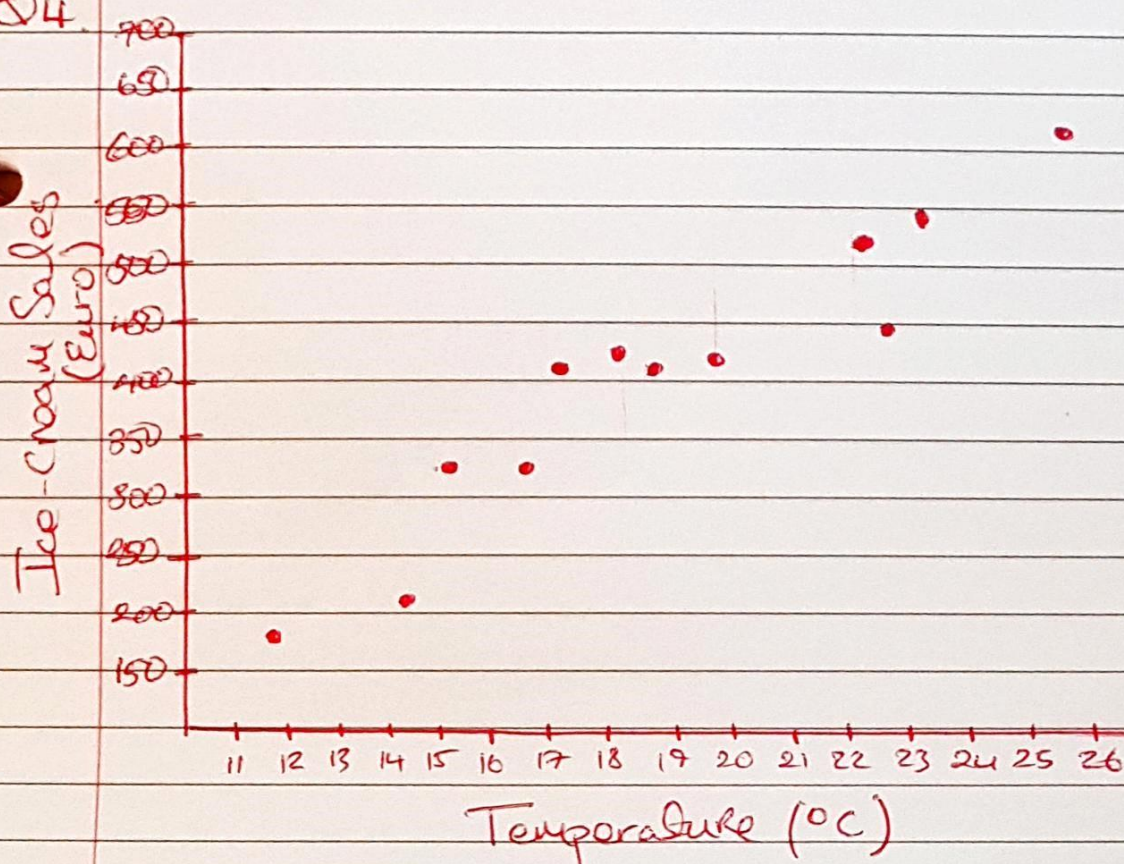
C \rightarrow No correlation i.e. as x increases, y ~~neither~~ neither increases or decreases.

D \rightarrow ^{Low} ~~High~~ Positive Correlation, As the value of x increases so to does the value of y .

E \rightarrow High Positive Correlation.

F \rightarrow Perfect Positive Correlation.

Q4.



High Positive Correlation.
(as temp goes up, ice cream sales go up)

Q5 i) Exceptions - points away from the main trend / cluster of points...

i) / ii) points B and D represent exceptions in this dataset. For point B - the price of the computer is lower but the Quality rating is the highest of all computers in the study/data.

For point D - it is the most expensive computer but its quality rating is lower than that of cheaper computers. B & D are not following the trend / in the main correlation.

ii) labelled point (B) lower price but highest Quality rating.