Box Plot:

Ranks data

Shows median (Q2): The point or line inside the box

Shows median of lower quartile (Q1 or lower quartile): The first point or line of the box

Shows median of upper quartile (Q3 or upper quartile): The third point or line of the box

Box part is made up by (Q1, Q2, Q3)

Plots the minimum and maximum values or lowest and highest values called whiskers

Uses five points above number line to create box-and-whisker plot

 

Example:



Minimum: 250 Quartile 1: 400 Quartile2: 500 Quartile 3: 560 Maximum: 720

 Lowest number median highest number

Range: highest number minus lowest number (720 – 250) = 470

Inter Quartile Range (IQR): Q3 minus Q1 (560 – 400) = 160

 Mode and Mean usually are not able to find in a box plot