Chapter 6. Descriptive Statistics (Part 2)



February 17, 2022

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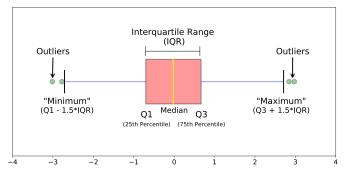


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6.4 Box plot



The box plot is a graphical display that simultaneously describes several important features of a data set, such as center, spread, departure from symmetry, and identification of unusual observations or outliers.

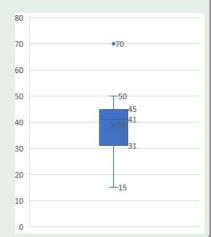


Example

Given a data of ages of 14 random adults from a village

Draw a box plot for this data.

Median 41 Q1 31 Q3 45 IQR 14 Outlier 70



6.5 Times sequence plots



A time series plot is a graph in which the vertical axis denotes the observed value of the variable (say, x) and the horizontal axis denotes the time (which could be minutes, days, years, etc.)

Years	Annual salar
2005	20614
2006	21175
2007	24766
2008	28100
2009	30189
2010	24618
2011	22006
2012	30912
2013	32523
2014	35285

