

## Tab: Advanced charts, Dashboard & Tableau Capstone Intro|Lectur

### Agenda

- Introduction to Dashboards
- Dashboard Objects
  - Horizontal and Vertical containers
  - Image & Web Page objects
- Actions in Dashboard
  - Parameter and Set action
- Stories
- Increase the efficiency of the dashboard (asked in interviews)
- Box and Whiskers plot
- Bullet chart
- Loyaltics Capstone Project

MOVIE  
Name  
&  
Song





For each country find the total number of olympic medals won and CO2 per capita (metric tons) emission till 2008.

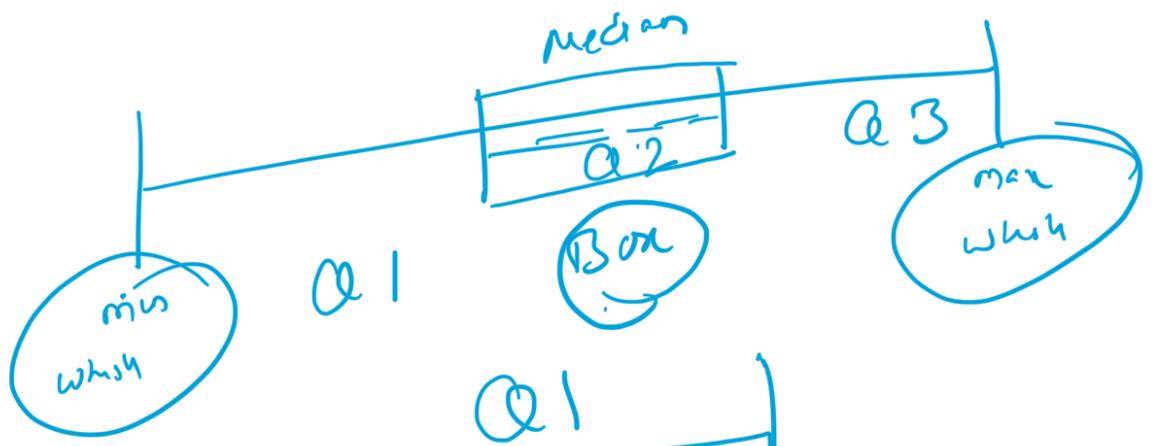
## Blending

- ↳ method for combining data from multiple sources.
- ↳ it brings in additional info from a secondary Data source & displays it with data from Primary source.

## Box and whiskers plot

- ↳ show the spread and shape of data
- ↳ Five key numbers

- ① minimum
- ② Lower Quartile (Q1) ( $0-25\%$ )
- ③ Median (Q2) ( $25-50\%$ )
- ④ Upper Quartile (Q3) ( $50-75\%$ )
- ⑤ Maximum  $\rightarrow$  the largest



Date : 5, 7, 8, 12, 13, 14 18, 21, 22, 25

Median :-

- Odd  $\left( \frac{n+1}{2} \right)$
- Even  $\left( \frac{(n+2)^{th}}{2} + \frac{(n+2)^{th}}{2} \right)$

$$\text{even} \Rightarrow \frac{\left(\frac{(10)}{2}\right)^n + \left(\frac{(12)}{2}\right)^n}{2}$$

$$\Rightarrow \frac{5^m + 6^n}{2} \Rightarrow \frac{13+4}{2} \Rightarrow \frac{13.5}{2}$$

$$\alpha_2 = 13.5 \text{ (median)}$$

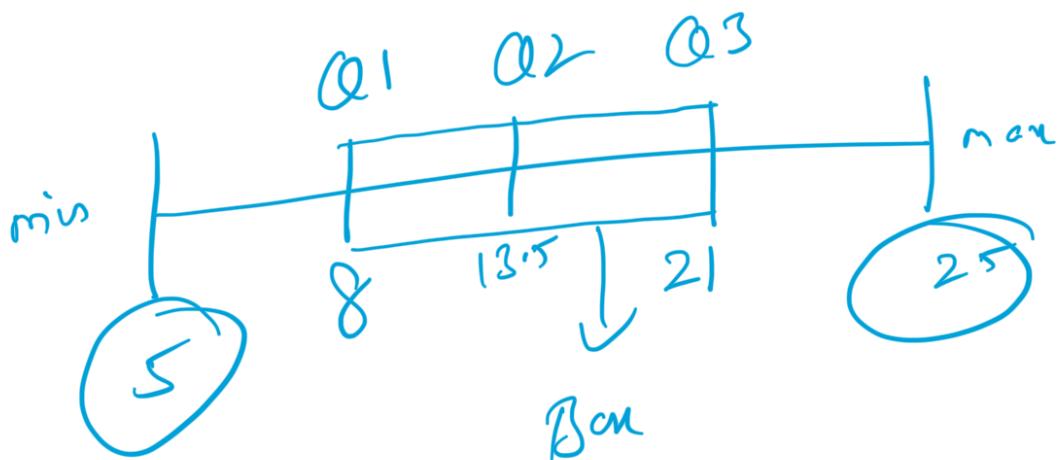
$Q_1$  = Lower Quartile

8

$$Q3 = 14, 18, 21, 22, 25$$



$\min = 5$        $Q1 = 8$        $Q2 = 13.5$        $Q3 = 21$        $\max = 25$



Compare the average discount provided to each segment across different regions.

$$M = \text{Discount}$$

$$D = \text{Segment, Region}$$

Compare 2016 and 2017 sales for each product subcategory.