



# Statistical Graphics: Box and Whisker Plots

# Objective

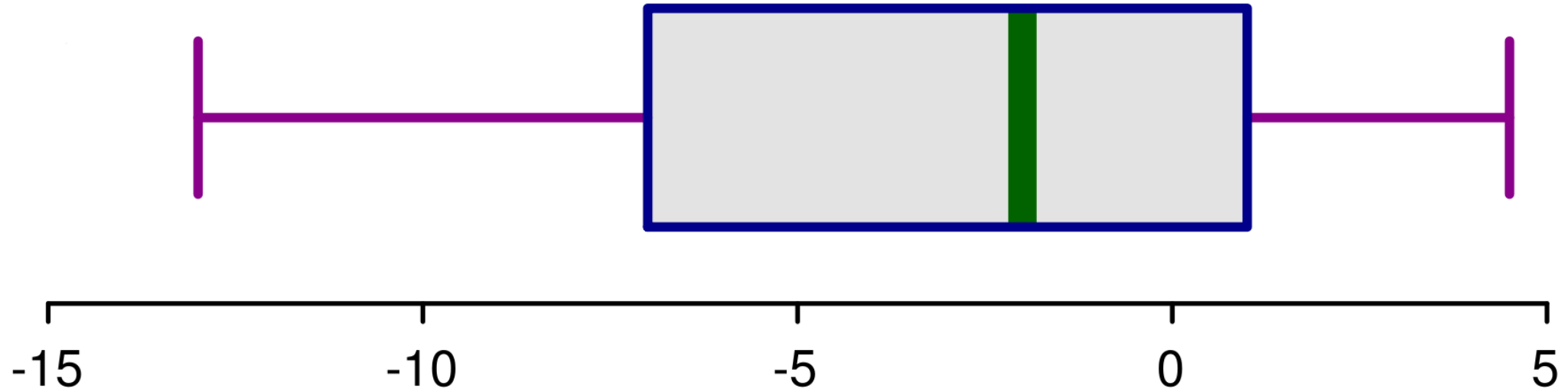
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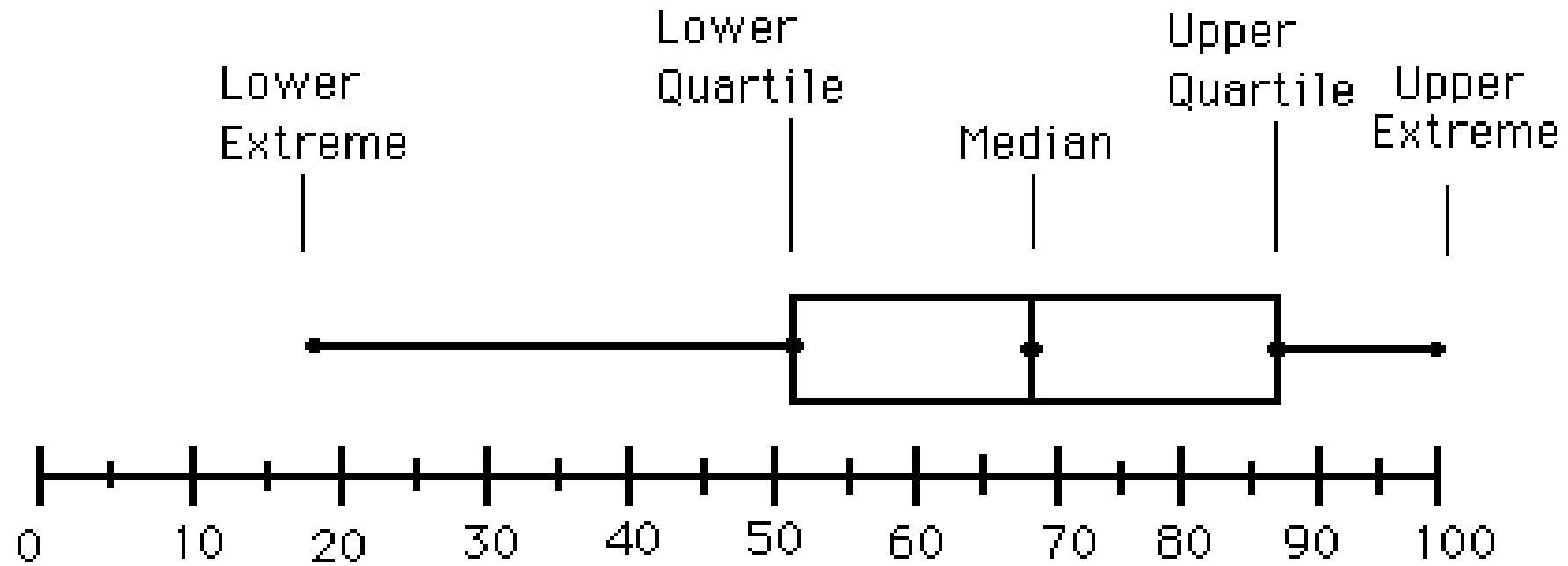
Objective

Understand how to create  
and use Box-plots and Q-Q  
Plots

# Box and Whisker Plot



# Summaries



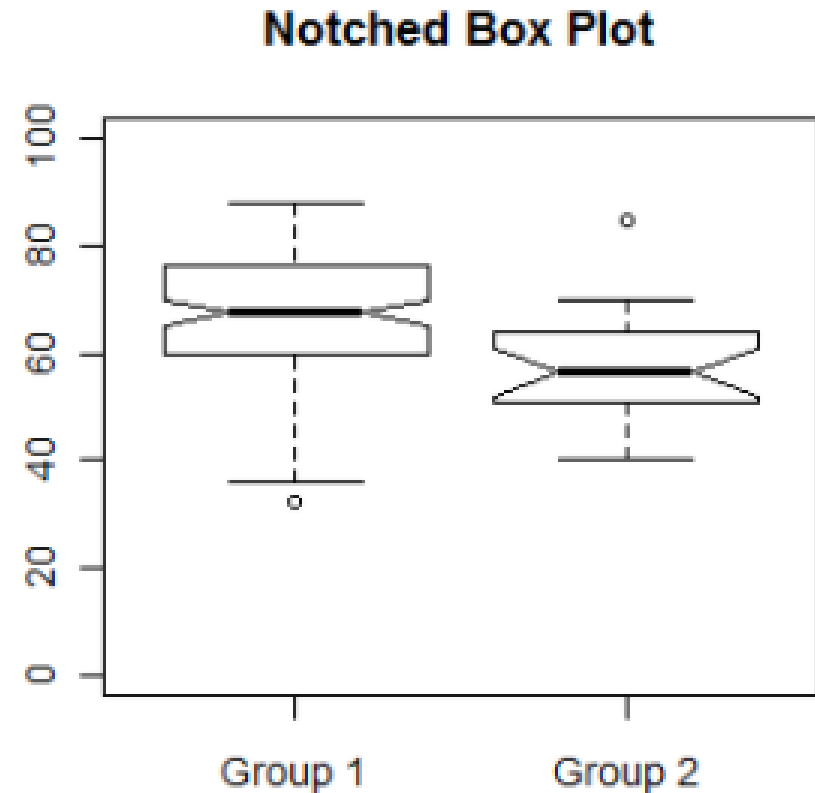
# Alternate forms of Box and Whisker Plots

## Width of the box

- mapped to the size of the group
- can make width proportional to the square root of the group size

## Notched box plot

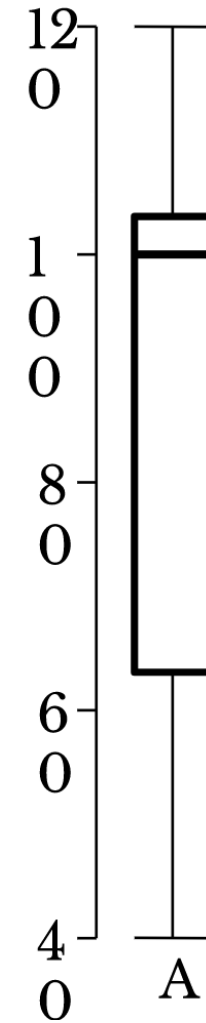
- Width of notches is proportional to IQR



# Box and Whisker Plots: Baseball Example

RBI	Batting Ave
117	0.336
113	0.324
47	0.321
95	0.315
103	0.312
118	0.312
66	0.307
85	0.307
103	0.304
41	0.3

**A: 1-10**



# Box and Whisker Plots: Baseball Example

RBI	Batting Ave
76	0.3
52	0.298
101	0.298
85	0.296
66	0.293
82	0.292
69	0.29
86	0.29
59	0.288
105	0.287

**B: 11-20**

