

# Recitation 10

Rachel Lee  
Nov. 17, 2021

# Analysis of Variance

levels of stress

sample

2
3
7
2
6

normal

sample

10
8
7
5
10

announced layoffs

sample

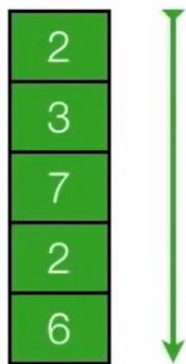
10
13
14
13
15

during layoffs

# Analysis of Variance

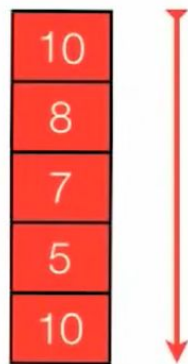
levels of stress

variance



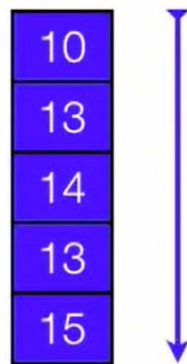
sum of squares

variance



sum of squares

variance



sum of squares

Sum of Squares Within Groups

# Analysis of Variance

levels of stress

variance

2
3
7
2
6

variance

10
8
7
5
10

variance

10
13
14
13
15



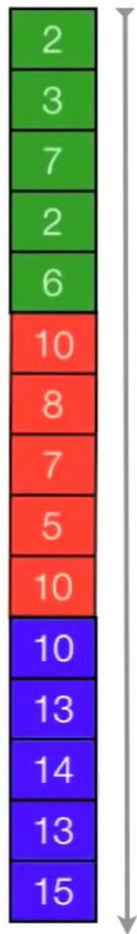
variance between groups

sum of squares

Sum of Squares Between Groups

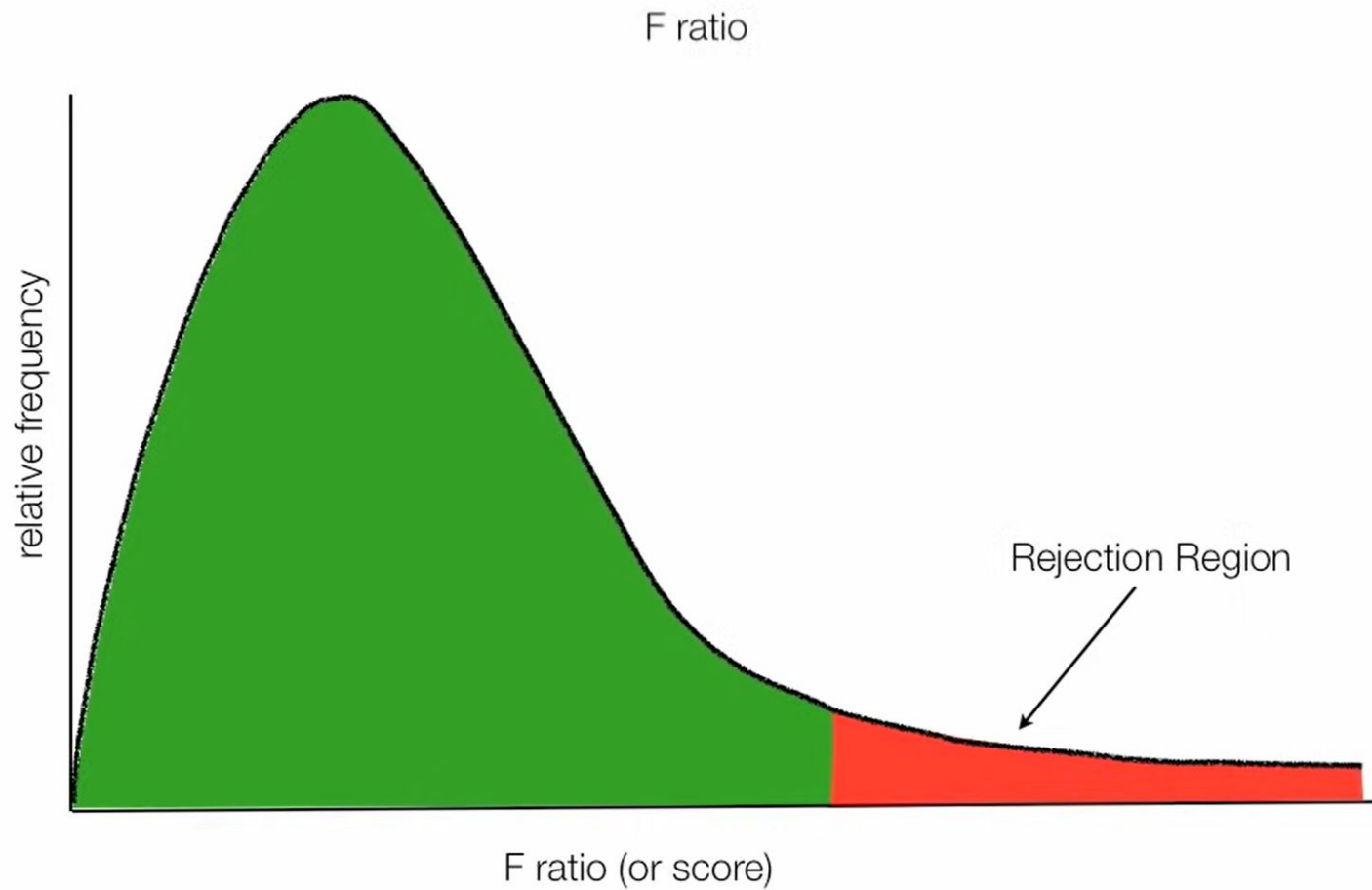
# Analysis of Variance

levels of stress



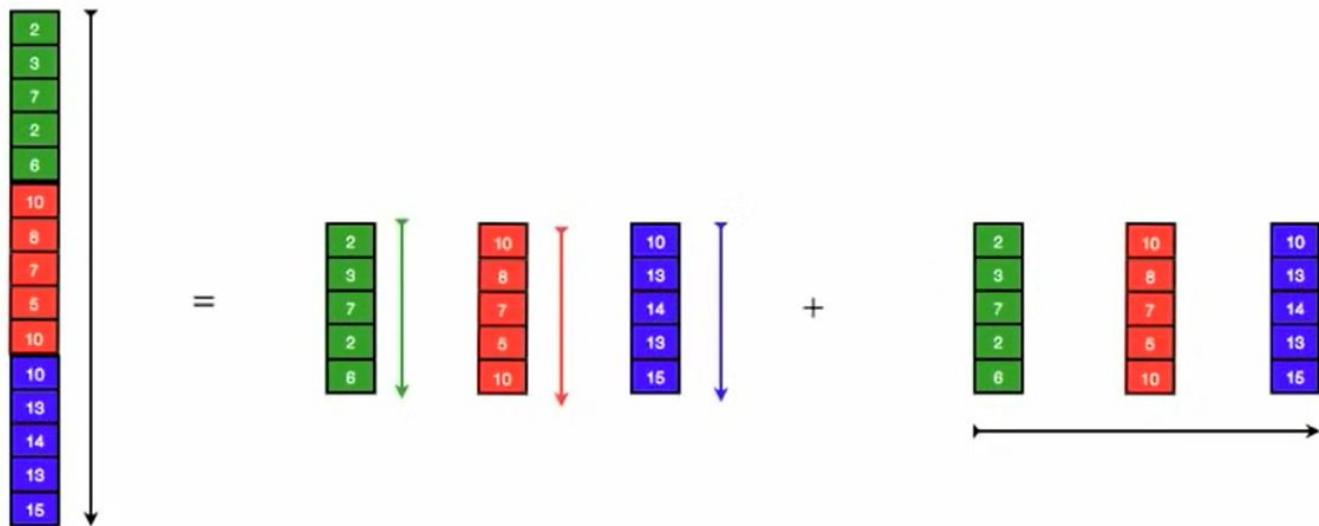
variance from the mean

Total Sum of Squares



# Analysis of Variance

F Ratio



Total Sum of Squares = Sum of Squares Within Groups + Sum of Squares Between Groups

