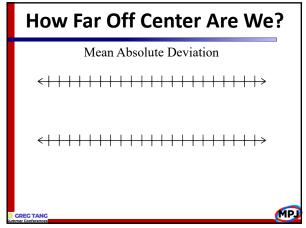
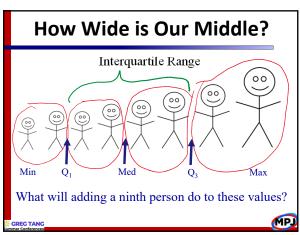


How Far Off Center Are We? Mean Absolute Deviation What does the word *deviate* mean? depart from the norm What does the phrase absolute value mean? distance from the zero (either side) What does absolute deviation mean, then? distance from the **norm** (either side) So what does mean absolute deviation mean? average of all the absolute deviations MPJ

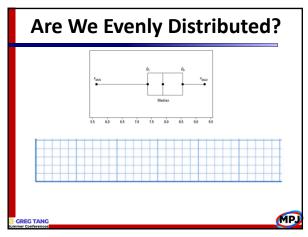
3

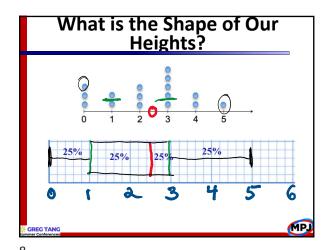




5 6

1





Of Which Group Do We Have the Most?

9

Group Activity
for Boys Data with Notes

Individual Assessment
for Girls Data with Boys Results

10

Two-Way Frequency Tables

Lived Died

Male 367 1364

Female 344 126

What do you Notice & Wonder?

Titanic

Vicanic Crec TANC Contractors

Titanic

11 12

2

13

Titanic First Class Passengers Second Class Passengers Third Class Passengers Total Passengers 201++ 166 284 181 528 709 500 ++ 817 What is the probability,... iv. if one of the passengers is randomly selected from the first class passengers, that this passenger survived? ("survived, given first") 201/324 = 62.0% iv. if one of the passengers who survived is randomly selected, that this passenger was in first class? 201/500 = **40.2%** vi. if one of the passengers who survived is randomly selected, that this passenger was in third class? 181/500 = 36.2%MPJ

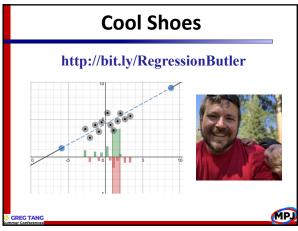
14

16

Titanic

Was surviving the sinking of the Titanic independent of being in first class? P(A) = P(A|B)Chance of surviving: P(S) = 40%Chance of surviving, given first class: P(S|F) = 62%

15



Cool Shoes

Cool Shoes

Cool Shoes

17 18

3



