Example: Find the mean, median, and mode for each set of data.

1.) 22, 23, 24, 22, 21

21 22 22 23 24

$21+22+22+23+24=112$

mean: $\frac{112}{5}=22.4$

median: 22

mode: 22

2.) ~~2, 7, 4, 5, 6, 4, 5, 6, 3, 5~~

2 3 4 4 5 5 5 6 6 7

mean: $\frac{47}{10}=4.7$

median: $\frac{5+5}{2}=\frac{10}{2}=5$

mode: 5

Example: Find the mean, median, and mode for each set of data.

3.) ~~1.5~~, ~~2~~, 2.5, ~~2~~, ~~1.5~~, 2.5, 3

1.5 1.5 2 2 2.5 2.5 3

mean: $\frac{15}{7}=2.142\ldots\approx 2.14$

median: 2

mode: 1.5, 2, 2.5

4.) ~~138~~, ~~117~~, 158, ~~145~~, ~~135~~, ~~120~~

117 120 135 138 145 158

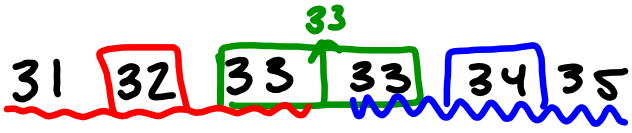
mean: $\frac{813}{6}=135.5$

median: $\frac{135+138}{2}=\frac{273}{2}=136.5$

mode: none/no mode

Example: Find the measures of variability for each set of data.

5.) 31, 33, 32, 34, 35, 33



range: $35-31=4$

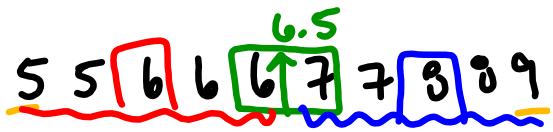
median: $\frac{33+33}{2}=\frac{66}{2}=33$

UQ: 34

LQ: 32

IQR: $34-32=2$

6.) 6, 5, 7, 8, 5, 6, 7, 9, 6



range: $9-5=4$

median: $\frac{6+7}{2}=\frac{13}{2}=6.5$

UQ: 8

LQ: 6

IQR: $8-6=2$

Example: Find the measures of variability for each set of data.

7.) 5, 7, 10, 6, 8

range: $10-5=5$

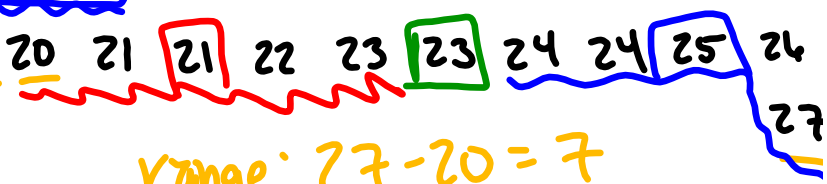
median: 7

UQ: $\frac{8+10}{2}=\frac{18}{2}=9$

LQ: $\frac{5+6}{2}=\frac{11}{2}=5.5$

IQR: $9-5.5=3.5$

8.) 26, 20, 21, 24, 23, 22, 21, 27, 23, 24, 25



range: $27-20=7$

median: 23

UQ: 25

LQ: 21

IQR: $25-21=4$