

1, 1, 1, 2, 4, 4, 4, 5 | 6, 6, 7, 9
 10, 10, 10, 14, 22

Mean: $1+1+1+2+2+4+4+4+5+6+6+7+9+10+10+10+14+22$
 $= 118$ $\frac{18 \text{ values}}{2} = 9$

$\frac{\text{Total sum}}{\# \text{ of data pieces}} = \frac{118}{18}$

* Mean: 6.5

* On average people seem to go out to eat between 6 to 7 times a month

Median: 5.5 Since our mean and median are very close, we probably don't have an outlier
middle value

Mode: most repeated

Tri Modal Data, 1, 4, 10

Because my modes are spread out if people rarely go out they go out once, if people go out more frequently its 4 times it is once a week. If they go out frequently it is 10 times meaning every 2 days they go out.

Range: Max - Min
 $22 - 1 = 21$

The range tells us the data is spread out

Q1 middle of lower half

Q3 middle of upper half

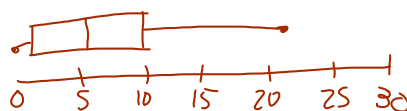
Q1: 2
 Q3: 10

Outlier
 $IQR \cdot 1.5$
 $8 \cdot 1.5 = 12$

IQR: $Q3 - Q1$
 $10 - 2 = 8$

$Q3 + 12$
 $10 + 12 = 22$

The middle 50% of data is relatively spread out



Because my data is skewed right, 75% of people eat less than 10 times a month.