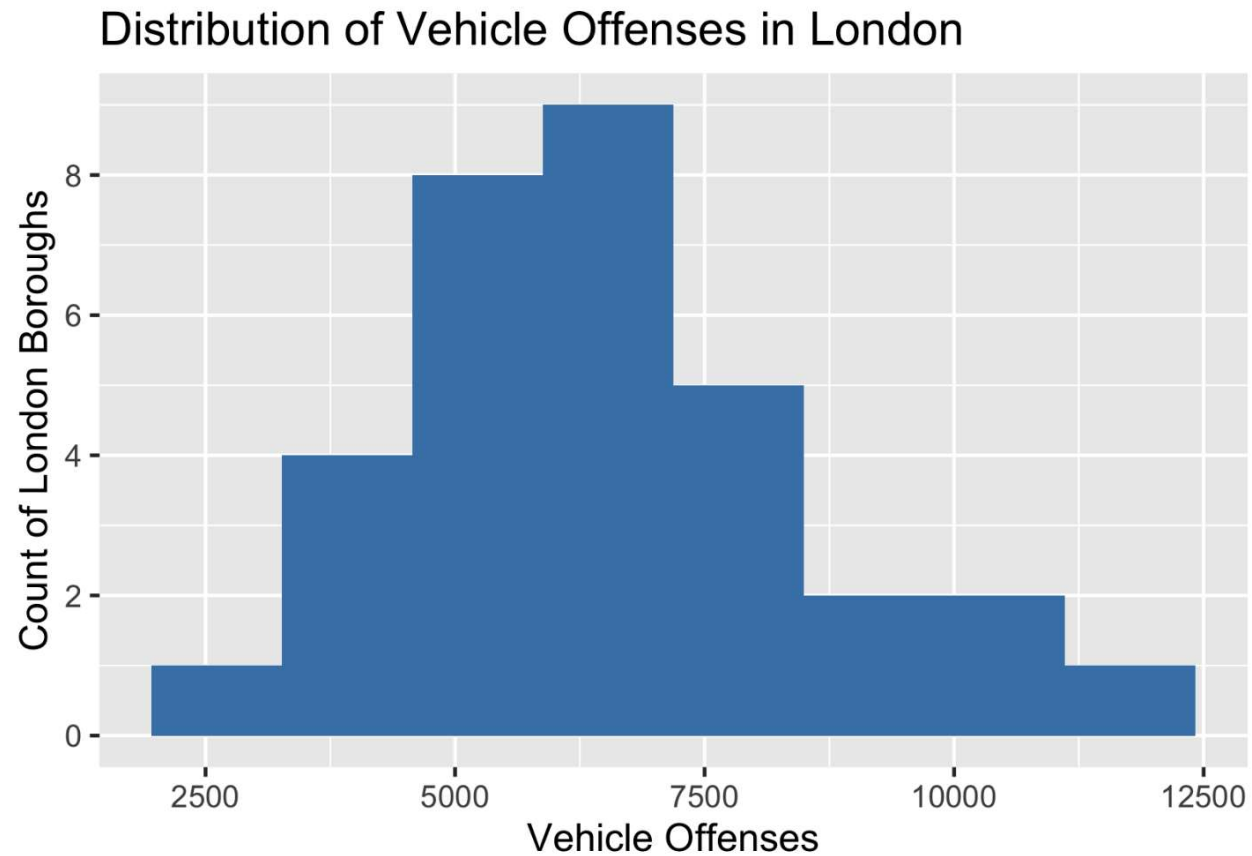


# Crime data

Borough	Burglary	Robbery	Theft	Vehicle Crime	Total
Barking and Dagenham	2318	1265	6300	4668	14551
Barnet	5067	1369	9875	9841	26152
Bexley	1583	444	4500	4216	10743
Brent	3893	1650	10026	7739	23308
Bromley	3053	844	8635	6966	19498
...	...	...	...	...	...

# Histograms



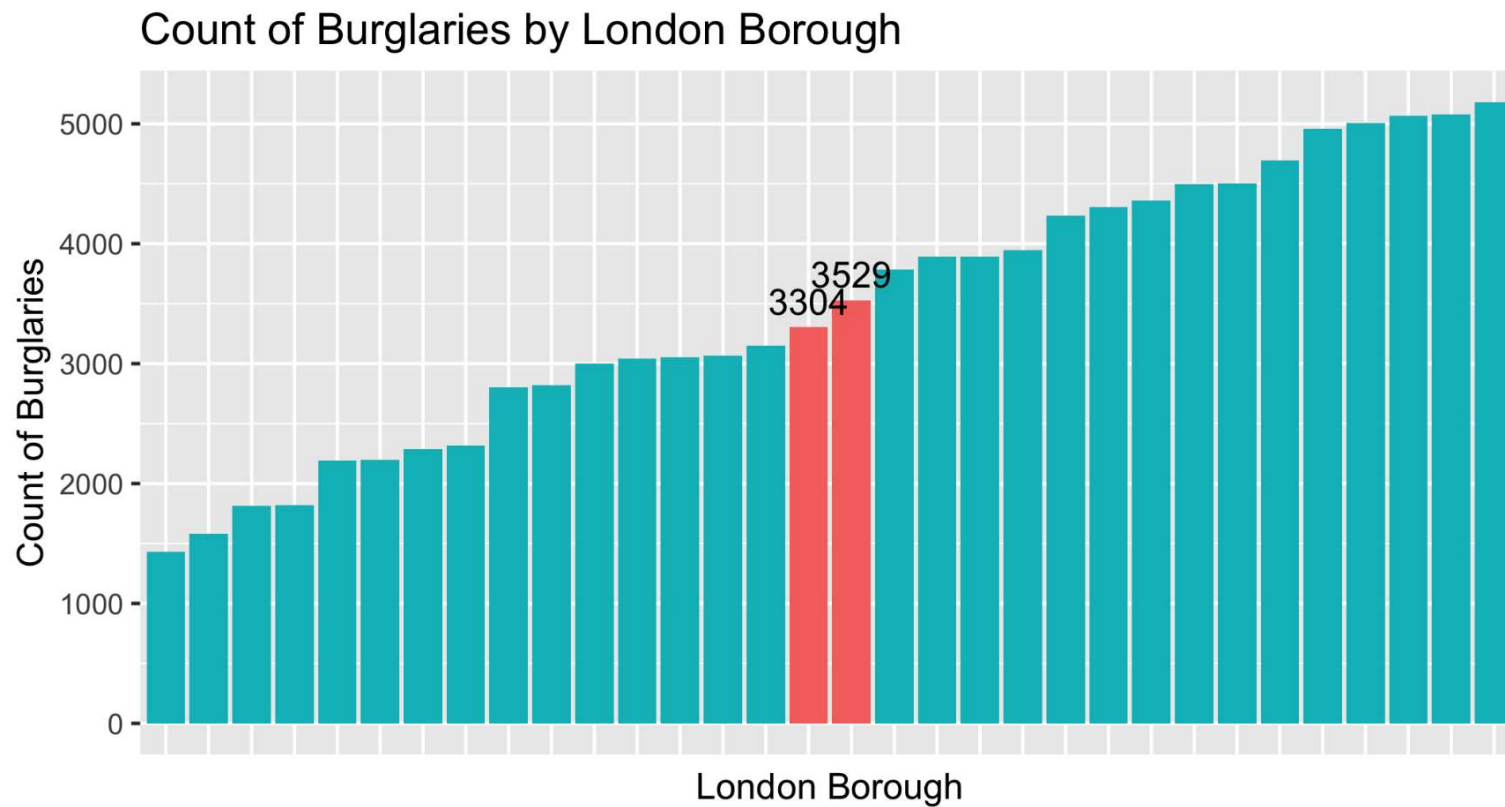
# Measures of center: mean

$$\text{mean} = \frac{\text{Sum of all values}}{\text{Count of all values}}$$

- Mean burglaries per London borough:

$$\text{Mean}(\text{Burglary}) = \frac{(2,318 + 5,067 + 1,583 + 3,893 + \dots)}{32} = 3,462.8125$$

# Measures of center: median



# Measures of center: median

$$\text{Median}(\text{Burglary}) = \frac{(3,304 + 3,529)}{2}$$

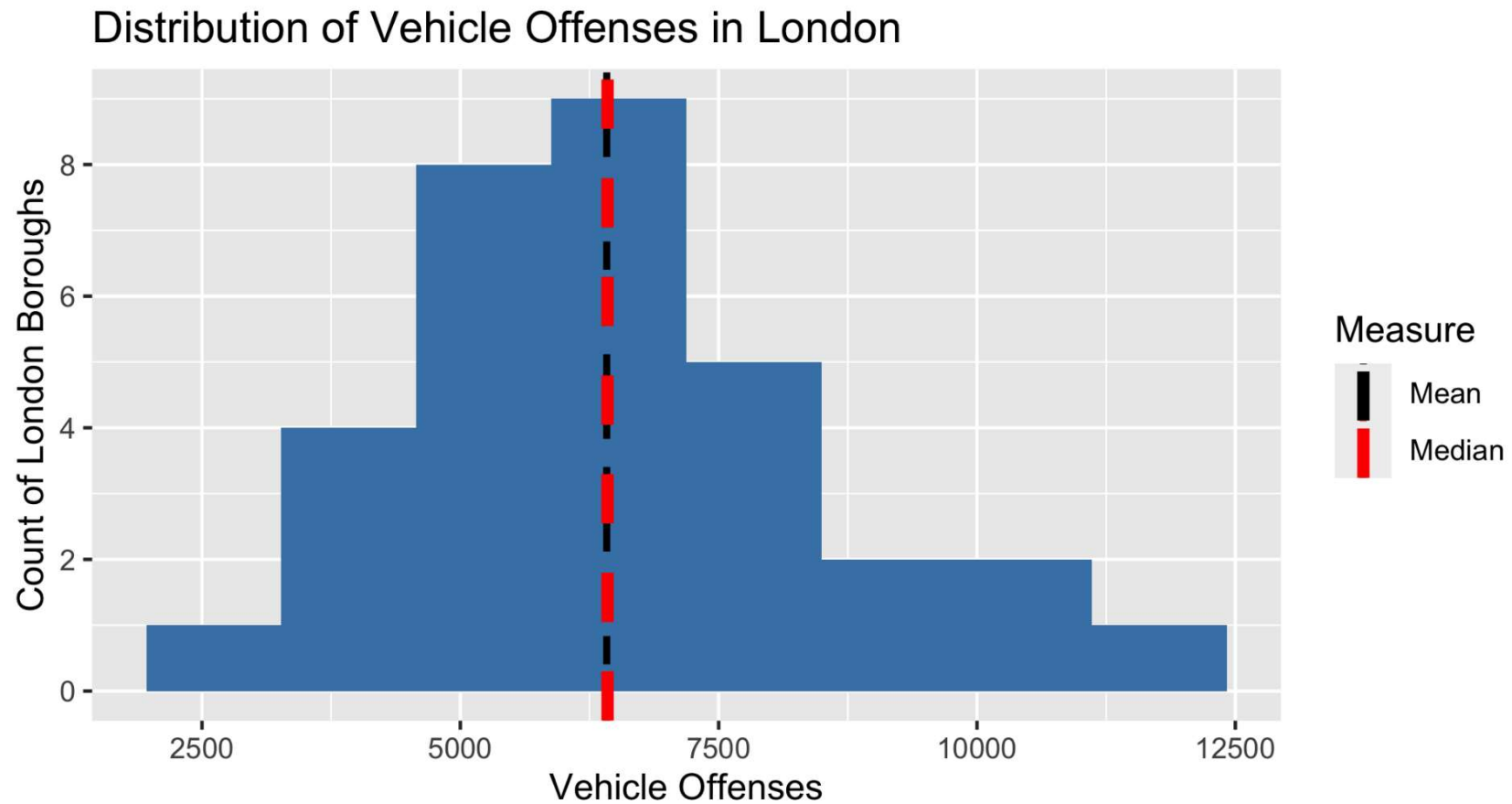
$$\text{Median}(\text{Burglary}) = 3,416.5$$

# Measures of center: mode

- Mode - *most frequent value*

Type of Crime	Count
Burglary	110,810
Robbery	47,877
Theft	350,025
Vehicle Offenses	205,337

# Which measure to use?



# Which measure to use?

