

A histogram showing the distribution of the proportion of heads for 100 trials of a coin flip. The x-axis is labeled 'Proportion of Heads' and ranges from 0.4 to 0.6. The y-axis represents frequency. The distribution is unimodal and slightly right-skewed, centered around 0.5. A vertical dashed red line is drawn at 0.5, representing the true probability of heads. The histogram bars are dark gray, and the background has a light gray grid.

Box plot showing the distribution of the proportion of heads for different total flips categories. The y-axis represents the Proportion of Heads (0.45 to 0.65), and the x-axis represents the Total Flips Category (<100, >5000, 100-500, 1000-2000, 2000-5000, 500-1000). A red dashed line indicates the expected proportion of 0.50.

Total Flips Category	Median	Q1	Q3	Min	Max	Outliers
<100	~0.53	~0.495	~0.605	~0.49	~0.635	None
>5000	~0.525	~0.525	~0.525	~0.525	~0.525	None
100-500	~0.505	~0.485	~0.525	~0.435	~0.575	~0.425, ~0.575, ~0.585, ~0.59, ~0.60, ~0.615, ~0.62
1000-2000	~0.505	~0.495	~0.515	~0.475	~0.535	~0.47
2000-5000	~0.515	~0.505	~0.525	~0.495	~0.54	~0.48, ~0.53, ~0.54
500-1000	~0.51	~0.495	~0.53	~0.46	~0.555	~0.57, ~0.575, ~0.66

A box plot comparing the proportion of heads across three participant categories: bachelor, internet, and marathon. The y-axis, labeled 'Proportion of Heads', ranges from 0.45 to 0.65 with major grid lines every 0.05 units. A horizontal red dashed line is positioned at the 0.50 mark. The 'bachelor' category has a median slightly above 0.50, with a box from approximately 0.49 to 0.51 and whiskers from 0.465 to 0.53. The 'internet' category has a median slightly below 0.50, with a box from approximately 0.48 to 0.51 and whiskers from 0.46 to 0.53. The 'marathon' category has a median slightly above 0.50, with a box from approximately 0.495 to 0.525 and whiskers from 0.445 to 0.57. This category has numerous outliers, with points extending from approximately 0.43 to 0.66.

Participant Category	Median	Q1	Q3	Lower Whisker	Upper Whisker	Outliers (approx.)
bachelor	0.505	0.490	0.510	0.465	0.530	None
internet	0.495	0.480	0.510	0.460	0.530	None
marathon	0.505	0.495	0.525	0.445	0.570	0.430, 0.435, 0.440, 0.445, 0.575, 0.580, 0.590, 0.595, 0.600, 0.605, 0.615, 0.620, 0.635, 0.660