

DayOneSurvey2010

	gender		Row Summary
	male	female	
height	180	165	174
	9	12	16

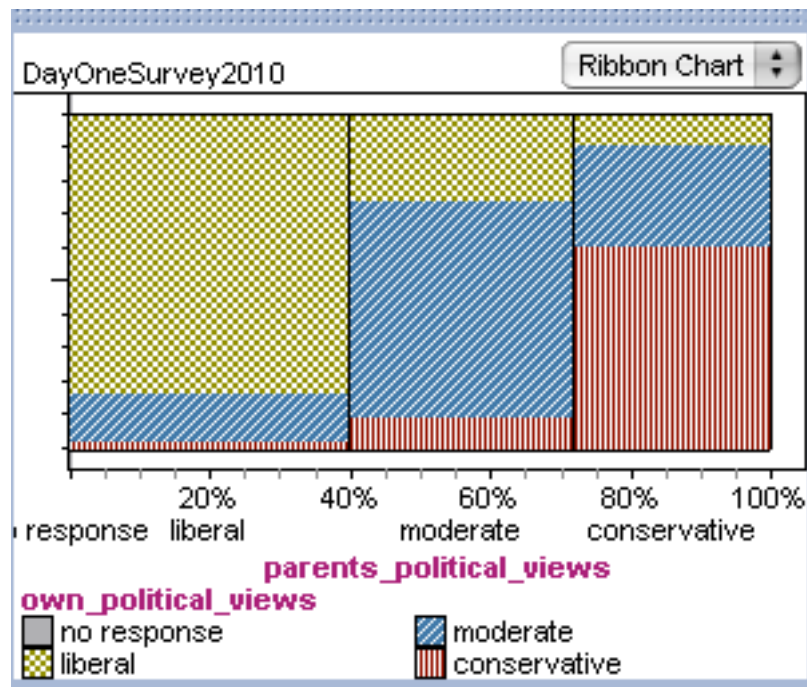
S1 = median()

S2 = iqr()

How do male and female teenagers compare in height to their peers?

By using a sample of teenagers in AP Statistics, we gain a sample of teenagers. The centers show that the median height of male teenagers is taller than the mean height of female teenagers (180 vs 165 cm). The median was chosen as numerical evidence because the female data is skewed slightly to the right. When comparing spreads, we find there is more variability in female heights than male heights. The IQR compares the 75th percentile (Q3) to the 25th percentile (Q1). Female teenagers, since they have a larger IQR, have a greater difference in the 75th and 25th percentiles (female IQR: 12cm, male IQR: 9cm). Since male teenagers have a smaller percentile, more of them fall in a smaller range of

heights. Thus, while male heights, on average, are taller than female heights, female heights have more variability.



DayOneSurvey2010		parents_political_views				Row Summary
		no response	liberal	moderate	conservative	
own_political_views	no response	0	0	0	0	0
	liberal	0	36	9	3	48
	moderate	0	6	22	9	37
	conservative	0	1	3	18	22
Column Summary		0	43	34	30	107

S1 = count()

To what extent do teenagers follow their parents' political views?

By just looking at the segmented bar graph, it is apparent that teenagers, whether coincidentally or not, have a tendency to have the same political views as their parents. Of those teenagers who consider themselves liberal, 75% also considered their parents' views liberal. Of those who consider themselves moderate, 67% have parents whose views are moderate. And of those teenagers who consider themselves conservative, 60% have parents who they consider conservative. It is interesting to note that, as we move from liberal to conservative, the percentage of students whose views align with their parents' decrease. By looking overall, we find that 40% of students consider themselves

liberal, 32% moderate, and 28% conservative. According to the data, it appears that, on average, over half of all teenagers' political views will fall where their parents' do.