



Graphical Display of Statistics

Winter 2011

Common Display of Statistical Info

- Two common ways to graphically display statistical information is through the use of bar charts and pie charts.
- A bar chart graphically displays a bar graph where the lengths of the bars are proportional to the values that they represent.

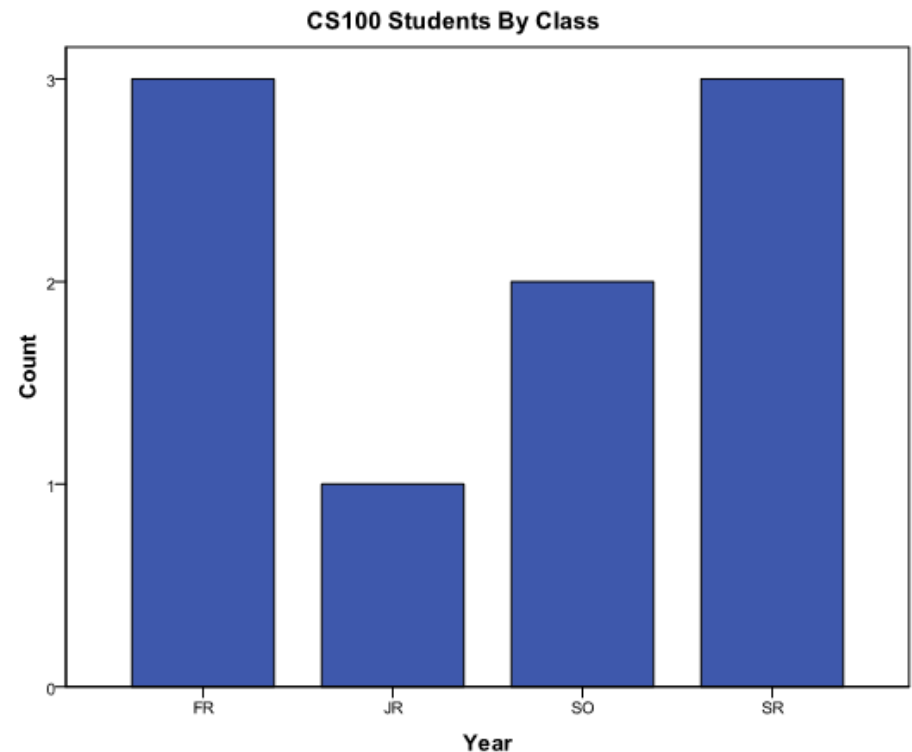
Sample CS120 Dataset

- Consider the following CS100 class information:

ID	Year	Age
0001	FR	18
0002	FR	18
0003	SR	22
0004	JR	22
0005	SO	19
0006	FR	19
0007	SR	23
0008	SO	19
0009	SR	22

Bar Chart

We could take the above information and show using a bar chart a graphical representation of the number of students that are FR, SO, JR, and SR.



Pie Chart

- Notice with a pie chart we get a better visualization of the frequency of occurrence as a percent. The amount of arc in the above example is proportional to the represented quantity.

