

Date 2/5/19  
Math 1342-13  
Mr. Aguirre.

### 2.1.19 Dream Job

A survey of adult men and women asked, "Which one of the following jobs would you most like to have?" The results of the survey are shown in the table.

Response	Men	Women
Professional Athlete	40	18
Actor/Actress	26	37
President of the United States	13	13
Rock Star	13	13
Not sure	7	19

- Construct a relative frequency distribution for men and women.
- Construct a side-by-side relative frequency bar graph.
- What are the apparent differences in gender as it pertains to this question?

## Chapter-2

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### \* 2. Organizing and summarizing data:

#### 2.1: Organizing Qualitative data.

A frequency distribution lists each category of data and the number of occurrences for each category of data.

$$* \text{ Relative frequency} = \frac{\text{frequency}}{\text{sum of all frequencies}}$$

\* A Pareto chart: is a graph with bars drawn in decreasing order of (relative) frequency.