Categorical Data: 5.2, 5.3
Classifying data by two criteria simultaneously, labeled on the row and column of a two-way table

Criteria 2		Criteria 1		
		Criteria 1A	Criteria 1B	
	Criteria 2A	Joint Frequency 1A2A	Joint Frequency 1B2A	Marginal Freq 2A
	Criteria 2B	Joint Frequency 1A2B	Joint Frequency 1B2B	Marginal Freq 2B
		Marginal Freq 1A	Marginal Freq 1B	Grand total

- Joint frequency is the frequency with which two categories, one from each of the two classification criteria occur together (middle counts).
- Marginal Frequency is the frequency of each category (row and column total)
- Marginal distributions are the proportions of counts for each marginal frequency of the grand total (ex: row total/grand total or column total/grand total).
- Conditional relative frequencies give the proportion of one category, given the other category has occurred (ex: joint frequency/marginal frequency).
- Segmented bar graphs display conditional relative frequencies.