## **Frequency Tables**

## How can you recognize possible associations & trends between two categories of categorical data?

trends between two categories of categorical data? data expressed with numbers Quantitative data ex: a of , height , goa data that can't be expressed with numbers Categorical Data ex: hair color, tanuts! shows how often each items occurs in a set of Frequency table categorical data Two-Way two categorical variables! Frequency Table Example: the frequency of a category related to the total Relative (frequency of category divided by total frequency) Frequency Joint relative frequency Total of one variable by total frequency Marginal Relative HAR = 12 = 0.428 = 43/. frequency Conditional One frequency by total of one category's frequency relative frequency table Total To determine if there is an association between two Association categories of data, check the conditional relative frequency --if the conditional relative frequencies are the same for each factor, there is no association For example, are males & females equally likely to be born in the USA?

technically no, so you would say there IS an association between gender and place of birth