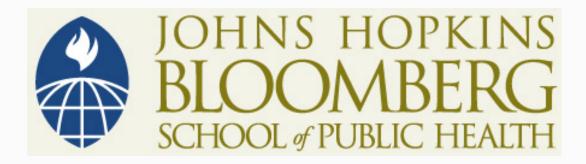
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Section B

Types of Data

Binary Data

- Binary (dichotomous) data
 - Yes/no
 - Polio: Yes/no
 - Cure: Yes/no
 - Sex: Male/female (or as yes/no, "is subject male?")

Categorical Data

- Categorical data (place individuals in categories)
- Nominal categorical data: no inherent order to categories
 - Race/ethnicity
 - Country of birth
 - Religious affiliation
- Ordinal categorical data: order to categories
 - Income level categorized into four categories, least to greatest
 - Degree of agreement, five categories from strongly disagree to strongly agree

Continuous Data

- Continuous data (finer measurements)
 - Blood pressure, mmHg
 - Weight, pounds (kilograms, ounces, etc.)
 - Height, feet (centimeters, inches, etc.)
 - Age, years (months)
 - Income level, dollars/year (Euro by year, etc.)

Time to Event Data

- Data that is a hybrid of continuous data and binary data
 - Whether an event occurs and time to the occurrence (or time to last follow-up without occurrence)

Different Methods for Different Data Types

- To compare the number of polio cases in the two treatment arms of the Salk Polio vaccine, you could use . . .
 - Fisher's Exact Test
 - Chi-Square Test
- To compare blood pressures in a clinical trial evaluating two blood pressure-lowering medications, you could use . . .
 - 2-Sample t-Test
 - Wilcoxon Rank Sum Test