Stat 145, Wed 5-May-2021 -- Wed 5-May-2021 Biostatistics Spring 2021

Wednesday, May 5th 2021

Wk 14, We

Topic:: Q and A for Test 3

7.1 • How do you physically Original Data – draw a randomization sample in goodness-of-fit/testing? Orig. Altered bag for vandomization Rock Rock Scis. Rock Paper Paper Scis. Ho: PR = Pp = Ps = 1/3 New Joan: 3R, 3S, 2P -> Rock - produce a randomization χ^2 -statistic in the test for association? shuffle()? value for var. I and var. 2

shuffle var. 2

two-way Fible

- produce a randomization sample in the case of data such as **SandwichAnts**?

– produce a randomization sample in the case of data such as RestaurantTips?

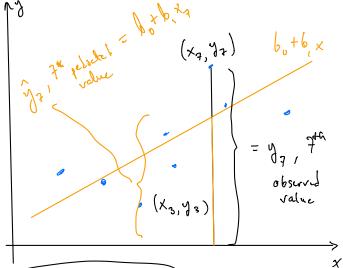
- To which inference procedure studied earlier in the course does the given one represent an extension?
 - Chi-square test for association generalizes 2-propartion
 - One-way ANOVA 2- Sample t
- Why is it called
 - ANOVA? Analysis of VArdance
 - One-way?

- goodness-of-fit like 1-proportion, but allows for nonbinary data
 - Den Rep.

 15 18

 35 54

 50 72
- When you introduce a linear model (regress) on a set of of (x, y)-pairs (i.e., fodder for a scatterplot), what is
 - an observed value
 - a fitted (or predicted) value
 - a residual



• How are the ANOVA table, correlation, slope, and coefficient of determination interrelated?

$$R^2 = (correlation)^2 = \frac{SSModel}{SSTotal} - found on an ANWA table correlation and slope always have some sign$$

• When doing the model utility test, do you use *t* or *F*?

MATH 145 Daily Notes	