## PART 3 REVIEW

"Formal" Hypothesis Tecting

\* Does our statistic "fit in" with the believed set of values?

confidence Intervals

\* For every HT, there exists a CI!

\* Our CI is generated by a method that generates true-parameter-containing

intervals some % of the time.

DISTRIBUTION PARAMETER

## TWO-TAILED TESTS

Hp: M = 0

\* Is our parameter

to value?

parameters equal?

These are setting-specific! Read the Q!

\* Two/one tailed affects Assumptions the p-ralue.

These are setting specific as well, but you need RANDOM SAMPLES

\* Random

\* shape?

\* sample size? Counts? h big?

\* TRUE PARAMETER

SAMPLING DISTRIBUTION uB of Data

\* Recall the sampling distribution has fixed n.

\* We capture 95% of the sampling distribution by providing quantiles. (x-values!)

18 = 2.5, UB = 97.5

What you Know .

1. Assumptions 2. Knte

hypotheses 3. calculate test

statistic

4. p-value, interp

5. Conclude

conclusions your will give you

the same information!

> Regression clopie

Your Toolbox

Means Proportions 2 Proportions

2 Means BOOT

2 means

Many

means

PERMUTATION

Independence GOF

Estimate) frror critical \* standard value

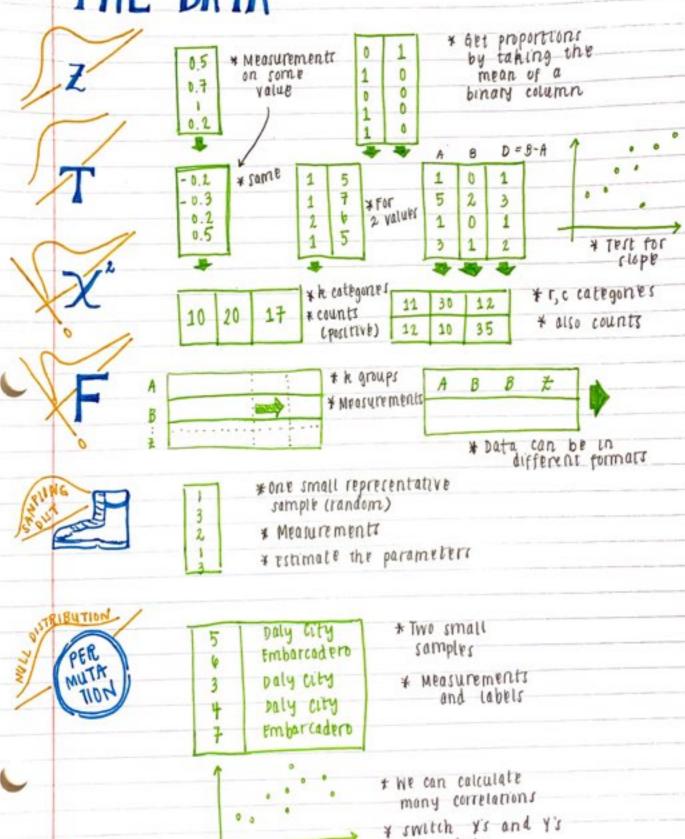
setting

specific

Formylas output

Fretting-specific

## THE DATA



for labels