

Two Project Ideas





Pick up the Warm Up

You'll need your Chi-Square packet as a reference

do #1 and #2 only for now









In a 2 by 2 contingency table:
-- Yate's continuity correction must be used when
calculating X²
If df = 1, we use

$$\chi^2_{calc} = \sum \frac{(|f_o - f_e| - 0.5)^2}{f_e}$$

where $|f_o - f_e|$ is the absolute value or modulus of $f_o - f_e$









TIMSS international math study











<u>Brainstorm:</u> Think back to all of the statistical graphs, statistics, measurements so far in this course:





| Perkentages/Rates % error Ple Charts Dot Plots Stem Plots | Percentiles Normal Distribution (calculate Probabilities) |
|---|---|
| Histograms Cumulative Freq. Graphs 5 Number Summary Box Plots Mean Median Range /IGR Stdo Deviation | Scatter Plots Correlation Coefficient (r) Least Squares Regression Line (LSRL) Make prodictions from LSRL Chi-Square Test of Independence |





-deas Aug of Age in Coffee



