

Problems

1.
 - a. Mann-Whitney test
 - b. t test for dependent samples
 - c. Kruskal-Wallis test
 - d. Wilcoxon test
 - e. Chi-square test of significance
2. $U' = 4, p = .02$. Only children were less willing to share toys with other children.
3. $H = 13.42, p < .01$. There were significant differences between the diets in their effects on handling scores.
A vs. B: $U' = 12, p < .01$. Diet B made rats harder to handle than Diet A.
A vs. C: $U = 47.5, p > .05$. Diets A and C did not differ in their effects.
B vs. C: $U = 7, p < .01$. Diet B made rats more irritable than Diet C.
4. $U = 36.5, p > .05$. There was no difference in the speech patterns of the parents of schizophrenic children.
5. $T = 11, p = .05$. Attitudes toward risk taking were more positive after alcohol consumption.
6. $U' = 58.5, p > .05$. The groups did not differ in attitudes toward risk taking.
7. $T = 26.5, p > .05$. There were no differences in double-blind statements between the parents' letters.
8. $H = 10.20, p < .01$. The classes differed significantly.
1 vs. 2: $U = 16, p = .01$. Class 1 had higher creativity scores than Class 2.
1 vs. 3: $U = 12, p < .01$. Class 1 had higher scores than Class 3.
2 vs. 3: $U = 44, p > .05$. Classes 2 and 3 did not differ.