

Psy 3090 Final Exam

1. Find the Critical values for the following statistics at .05:

$t(34) = p=.05$ $z_{.042}$ $F(6,18) = p=.05$ $z_{.66}$
 $t(19) = p=.05$ $z_{.093}$ $F(2,18) = p=.05$ $z_{.55}$
 $t(3) = p=.05$ $z_{.182}$

2. The hypothesis: rats use their whiskers when swimming was tested by placing 7 rats in three situations. Group one the control group, group 2 had their whiskers trimmed half way, and group 3 had their whiskers completely removed. Below is the data for how long the rats stayed above water in minutes. Analyze the results and support your conclusions verbally.

Group 1	Group 2	Group 3
7	4	0
6	3	1
6	4	0
8	5	1
4	4	1

3. Dunn (1990) conducted a study to assess the influence of exposure to “the silent scream” on college students’ attitudes toward abortion. Ten students were tested before and after watching the video. Set up the appropriate analysis and verbally support your conclusions.

Pre and Post test scores:

A	74	85
B	68	84
C	41	42
D	45	56
E	50	66
F	90	99
G	98	98
H	37	34
I	44	37
J	52	61

4. Gender discrimination in the workforce was investigated by selecting two opposing franchises in the fast food industry. Below are the number of males and females hired by these two franchises. Analyze the data and verbally support your conclusion.

	MCDEES	BIGGER KING
Men	80	107
Women	145	230

5. Some research has supported the hypothesis that viewing television violence may lead to violent acts. Other research claims that these effects only occur in persons with aggression problems. Sixteen participants were randomly assigned to one of two groups. One group watched the movie "Die Hard" (a violent Bruce Willis movie) and the other watched one of the Freddie Krueger movies "Nightmare on Elm Street". Researchers were interested in the effects of different type of television violence. Below are the scores from the Aggressive Attitudes Questionnaire filled out after the films.

Nightmare on Elm

36
31
36
32
36
38
45
52

Die Hard

29
34
32
36
28
29
28
27