

CJ 405 FA 01 IN CLASS EXERCISES 10-15-01

PURPOSE: Using the GIA gunowners sample, to practice working through hypothesis tests of the R squared and the b weight

NAMES:

F TEST OF R SQUARED

PROBLEM 1: Outcome=Q6; Predictor=Q106 years of education

STATE NULL HYPOTHESIS:

STATE ALTERNATE HYPOTHESIS:

Assuming $p < .05$:

What is the value you will use for DF1: _____

What is the value you will use in the table for DF2 (pick value in table less than the value you have for $n-p-1$) _____

F CRITICAL = _____

FROM PRINTOUT (last class' printout): F OBSERVED = _____

What is your conclusion? _____

PROBLEM 2: EFFECT OF Q107 POLITICAL MATTERS ON Q6

STATE NULL HYPOTHESIS:

STATE ALTERNATE HYPOTHESIS:

Assuming $p < .05$:

What is the value you will use for DF1: _____

What is the value you will use in the table for DF2 (pick value in table less than the value you have for $n-p-1$) _____

F CRITICAL = _____

FROM PRINTOUT (last class' printout): F OBSERVED = _____

What is your conclusion? _____

PROBLEM 3: EFFECT OF Q101 MORE URBAN LIVE NOW ON Q6
STATE NULL HYPOTHESIS:

STATE ALTERNATE HYPOTHESIS:

Assuming $p < .05$:

What is the value you will use for DF1: _____

What is the value you will use in the table for DF2 (pick value in table less than the value you have for $n-p-1$) _____

F CRITICAL = _____

FROM PRINTOUT (last class' printout): F OBSERVED = _____

What is your conclusion? _____

PROBLEM 4: EFFECT OF Q50 FEEL MORE AFRAID ON Q6

STATE NULL HYPOTHESIS:

STATE ALTERNATE HYPOTHESIS:

Assuming $p < .05$:

What is the value you will use for DF1: _____

What is the value you will use in the table for DF2 (pick value in table less than the value you have for $n-p-1$) _____

F CRITICAL = _____

FROM PRINTOUT (last class' printout): F OBSERVED = _____

What is your conclusion? _____

T TEST OF B WEIGHT

PROBLEM 1: Outcome=Q6; Predictor=Q106 years of education

STATE NULL HYPOTHESIS:

STATE TWO-TAILED ALTERNATE HYPOTHESIS:

Assuming $p < .05$:

What is the value you will use for DF: _____

T CRITICAL = _____

FROM PRINTOUT (last class' printout): T OBSERVED = _____

What is your conclusion? _____

PROBLEM 2: EFFECT OF Q107 POLITICAL MATTERS ON Q6

STATE NULL HYPOTHESIS:

STATE TWO-TAILED ALTERNATE HYPOTHESIS:

Assuming $p < .05$:

What is the value you will use for DF: _____

T CRITICAL = _____

FROM PRINTOUT (last class' printout): T OBSERVED = _____

What is your conclusion? _____

PROBLEM 3: EFFECT OF Q101 MORE URBAN LIVE NOW ON Q6
STATE NULL HYPOTHESIS:

STATE TWO-TAILED ALTERNATE HYPOTHESIS:

Assuming $p < .05$:

What is the value you will use for DF: _____

T CRITICAL = _____

FROM PRINTOUT (last class' printout): T OBSERVED = _____

What is your conclusion? _____

PROBLEM 4: EFFECT OF Q50 FEEL MORE AFRAID ON Q6

STATE NULL HYPOTHESIS:

STATE TWO-TAILED ALTERNATE HYPOTHESIS:

Assuming $p < .05$:

What is the value you will use for DF: _____

T CRITICAL = _____

FROM PRINTOUT (last class' printout): T OBSERVED = _____

What is your conclusion? _____
