HW1 Poli 101

Terrorism, Education, and Ideology

1.

Data: PPIC January 2016

DV: attitude re terrorism and security Q30,

Indicator Q30: "On another topic, how much of a problem is terrorism and security in

California today a big problem, somewhat of a problem, or not much of a problem?"

Level of Measurement: Ordinal

Missing Values: don't know (8) or refuse to answer (9); <1% combined

Recodes: None

2.

Frequency distribution (Q30)

How much of a problem is Terrorism?

	Valid Percent
big problem	41.5
somewhat of a problem	35.9
not much of a problem	22.5
Total	1690

Source: PPIC Jan 2016

Mode: "big problem" (1); Median "somewhat" (2)

Skew: .34; Kurtosis (-1.3)—neither creates concern over variation.

3.

IV1: education

Indicator: highest grade of school completed (D7).

Level of Measurement: ordinal.

Missing values: Dk (8) & refused (9) < 2% combined.

Recodes: none

IV2: political ideology.

Indicator "…would you consider yourself to be politically very liberal…very conservative"

Level of measurement: ordinal.

Missing values Dk (8) & Refused (9) <3% of respondents combined.

4

H1: X1$\rightarrow$Y (education decreases fear of terrorism

Rationale: X1$\rightarrow$Z1$\rightarrow$Y, education increases knowledge of limited terrorist threat, which

decreases fear

 H2: X2$\rightarrow$Y, conservatism increases fear of terrorism.

Rationale: X2$\rightarrow$Z2$\rightarrow$Y conservatism support War on Terror which promotes fear.

5.

H1 Crosstab

Perceiving Terrorism & Security as a problem (Q30) by Education (D7)

How much a problem is Terrorism & Security?	Less than HS	HS Grad	Some College	College Grad	Post Grad
big problem	68.2%	48.1%	39.6%	35.2%	26.8%
somewhat a [problem	20.2%	36.0%	39.1%	36.3%	43.0%
not much a problem	11.6%	15.9%	21.2%	28.4%	30.3%
N=	198	308	396	443	314

Tauc =.211

Source: PPIC Jan 2016 Survey

Decreasing percents across top row, 68, 48, 40, 35 28;

Percents increase along middle row.

Bulges roughly define main diagonal therefore positive

Summary measure: Tau-c =.211 (ordinal measures in rectangular table (weak-moderate)

positive

H2 Crosstab

Perceiving Terrorism & Security as a problem (Q30) by Ideology (Q40)					
How much a problem is Terrorism & Security?	Very Liberal	Somewhat Liberal	Middle of the Road	Somewhat Conservative	Very Conservative
big problems	26.0%	26.8%	42.9%	52.2%	63.4%
somewhat a [problem	30.7%	45.0%	36.8%	34.4%	26.7%
not much a problem	43.3%	28.2%	20.3%	13.4%	9.9%
N=	231	351	517	358	191

Tauc = -.262

Source: PPIC Jan 2016 Survey

Increasing percents on top row

Decreasing percents on bottom row

Mixed direction in middle row

Bulges roughly along off diagonal, therefore negative.

Summary measure = -.262 (ordinal measures in rectangular table (moderately strong)

6.

Crosstab 1 supports H1

Education decreases concern over terror & security

**Note DV should be recoded to run from low to high to reflect hypothesis.

Crosstab 2 supports H2.

conservatives more concerned over terror & security

**Note DV should be recoded to run from low to high to reflect hypothesis.

7.

IV2 shows stronger association than IV1 with DV

Political is a better predictor of concern over terrorism and security than is level of education.

This can be seen in its stronger measure of association.

8.

<u>Syntax</u>

```
frequency variables=d7 q40 q30
   /statistics mode median skew kurtosis.

missing values q30 (8,9).
missing values d7 (9).

crosstabs
  /tables=q30 BY d7
 /cells=column count
 /statistics ctau.

missing values q40 (8,9).
missing values q30 (8,9).

crosstabs tables = q30 by q40
   /cells = column count
  /statistics = ctau
```

reversing the direction of coding on the DV.
makes coding consistent with Hypotheses.
```
missing values d7 q40 (8,9).
recode q30 (1=3) (2=2) (3=1) into terrcon.
variable labels terrcon Concern over Terror & Security.
value labels terrcon 1 "low" 2 "medium" 3 "high".

crosstabs tables = terrcon by d7, q40
    /cells = column count
    /statistics = ctau.
```

Concern over Terror & Security (Terrcon) by Education (D7)

Concern over Terror/Security	Less than HS	HS Grad	Some College	College Grad	Post Grad
Low	11.6%	15.9%	21.2%	28.4%	30.3%
Medium	20.2%	36.0%	39.1%	36.3%	43.0%
High	68.2%	48.1%	39.6%	35.2%	26.8%
N=	198	308	396	443	314

Tauc = -.211

Source: PPIC Jan 2016 Survey

Education decreases concern over Terror and Security consistent with H1.

Concern over Terror & Security (Terrcon) by Ideology (Q40)

Concern over Terrori/Security	Very Liberal	Somewhat Liberal	Middle of the Road	Somewhat Conservative	Very Conservative
Low	43.3%	28.2%	20.3%	13.4%	9.9%
Medium	30.7%	45.0%	36.8%	34.4%	26.7%
High	26.0%	26.8%	42.9%	52.2%	63.4%
N=	231	351	517	358	191

Tauc = .262

Source: PPIC Jan 2016 Survey

Conservatism increases concern over Terror & Security consistent with H2.