Poli 30D Political Inquiry
SPSS Tutorial

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October 5, 2016

Contact Information

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We have someone to help you every day!

Professor Desposato	M	1330-1500 (Latin American Center)
Shane Xuan	Tu	1600-1800 (SSB332)
Cameron Sells	W	1000-1200 (SSB352)
Kelly Matush	Th	1500-1700 (SSB343)
Julia Clark	F	1200-1400 (SSB326)

Supplemental Materials
Our class oriented
ShaneXuan.com
UCLA SPSS starter kit
www.ats.ucla.edu/stat/spss/sk/modules_sk.htm
Princeton data analysis
http://dss.princeton.edu/training/

Announcement and Quiz(!!)

Everyone's Favorite

Announcement

Next section will be held at the normal classroom

Quiz

Where will we have our next section?

Template:

LAST NAME, FIRST NAME
EMAIL

ANSWER

Example:

Xuan, Shane
xxuan@ucsd.edu

HSS

Housekeeping Notes

- Data: NES 2008
- Download your data:
  TritonEd ⤳ Content ⤳ Course Data Files ⤳ NES dataset
- This is the data set that we will be using a lot throughout the quarter. Save it on your computer or somewhere easily accessible.

SPSS: Basics

– Read Data

– Open a syntax file: File ⤳ New ⤳ Syntax

– Explore your data: FREQUENCIES VARIABLES = var

– Example: FREQUENCIES VARIABLES = v1

Gender

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1	886	43.1	43.1	43.1
	2	1168	56.9	56.9	100.0
	Total	2054	100.0	100.0	

SPSS: Recode Values

– Motivation: To re-classify variables for your research question

– Syntax: RECODE var (val1 = val2)

– Example: RECODE v33 (1 2 = 1)(3 = 2)(4 5 = 3)

– Example: RECODE v10 (lo thru 2 = 1)(3 = 2)(4 thru hi = 3)

SPSS: Recode Values

We all love examples!

Economy better worse in last year

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1	96	4.7	4.7	4.7
	2	574	27.9	28.3	33.0
	3	756	36.8	37.2	70.2
	4	343	16.7	16.9	87.1
	5	261	12.7	12.9	100.0
	Total	2030	98.8	100.0	
Missing	System	24	1.2		
Total		2054	100.0		

SPSS: Recode Values

After recoding:

Economy better worse in last year

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1	670	32.6	33.0	33.0
	2	756	36.8	37.2	70.2
	3	604	29.4	29.8	100.0
	Total	2030	98.8	100.0	
Missing	System	24	1.2		
Total		2054	100.0		

SPSS: Recode Variables

- Motivation: Sometimes you don't want to make changes to the original variable
- Syntax: INTO var2
- Example:
  RECODE v39 (1 2 3 = 1)(4 = 2)(5 6 7 = 3) INTO v39p

We all love examples!

Govt assistance to blacks scale: self-placement

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1	215	10.5	12.4	12.4
	2	95	4.6	5.5	17.9
	3	164	8.0	9.5	27.4
	4	436	21.2	25.2	52.6
	5	223	10.9	12.9	65.5
	6	215	10.5	12.4	77.9
	7	383	18.6	22.1	100.0
	Total	1731	84.3	100.0	
Missing	System	323	15.7		
Total		2054	100.0		

SPSS: Recode Variables

After recoding:

v39p

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00	785	38.2	38.4	38.4
	2.00	436	21.2	21.4	59.8
	3.00	821	40.0	40.2	100.0
	Total	2042	99.4	100.0	
Missing	System	12	.6		
Total		2054	100.0		

– Execute the following code:

FREQUENCIESS VARIABLES = v80

– Execute the following code:
FREQUENCIESS VARIABLES = v80
FREQUENCIESS VARIABLES = v78

– Execute the following code:

```
FREQUENCIESS VARIABLES = v80
FREQUENCIESS VARIABLES = v78
COMPUTE DIFF = v80 - v78
```

– Execute the following code:

FREQUENCIESS VARIABLES = v80

FREQUENCIESS VARIABLES = v78

COMPUTE DIFF = v80 - v78

FREQUENCIESS VARIABLES = DIFF

SPSS: Computation

– Execute the following code:
```
FREQUENCIESS VARIABLES = v80
FREQUENCIESS VARIABLES = v78
COMPUTE DIFF = v80 - v78
FREQUENCIESS VARIABLES = DIFF
```

– Syntax:
```
COMPUTE var = (formula)
```

SPSS: Computation

– Execute the following code:
FREQUENCIESS VARIABLES = v80
FREQUENCIESS VARIABLES = v78
COMPUTE DIFF = v80 - v78
FREQUENCIESS VARIABLES = DIFF

– Syntax:
COMPUTE var = (formula)

– Other computation:
$+; -; /; *; **;$ ABS; SQRT

SPSS: Loops!

Syntax:
IF (condition) var = val
Example:
IF (DIFF > 0) RACIST = -1
IF (DIFF = 0) RACIST = 0
IF (DIFF < 0) RACIST = 1

SPSS: Loops!

Interpret this table:

RACIST

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	−1.00	517	25.2	27.4	27.4
	.00	970	47.2	51.3	78.7
	1.00	402	19.6	21.3	100.0
	Total	1889	92.0	100.0	
Missing	System	165	8.0		
Total		2054	100.0		

This concludes our lab!

– We covered a lot of materials today
Galderisi (pp. 1–48; 112–183)

– Read theses pages when you are back home. Make sure you
understand the details

– Practice, Practice, Practice

– We will cover Galderisi (pp. 49–111) in November

Next section will be held at the normal classroom. See you next
week!