

Florida Atlantic University Christine E Lynn College of Nursing

Preliminary Steps in Setting up Data Analysis

Presented by:

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1	1.00	.00	.00	66.00	1.03	12/12/1978	Akron	3.00			
2	2.00	.00	1.00	67.00	1.03	07/12/1948	Вося	4.00			
3	3.00	.00	.00	70.00	2.03	11/04/1973	Tempa	4.00			
4	4.00	1.00	1.00	72.00	3.00	02/02/1952	Marri	4.00			
5	5.00	1.00	.00	69.00	3.03	05/15/1983	Donker	3.00			
9	6.00	1.00	1.00	66.00	4.00	06/15/1984	Cleveland	3.00			
7	7.00	.00	.00	73.00	4.03	10/26/1976	San Fran	2.0			
3	0.00	.00	1.00	75.00	2.03	00:09/1987	LA	2.0			
9	9.00	.00	.00	60.00	3.03	10/11/1933	Воса	2.0			
10	10.00	100	1.00	64.00	3.03	07/00/1559	Akron	3.0			
11	11.00	1.00	.00	00.00	4.03	01/01/1993	Marri	2.0			
12	12.00	100	1.00	71.00	1.03	10.91/1955	Marri	4.0			
13	13.00	100	.00	77.00	1.00	02/02/1953	Воса	30			
14	14.00	100	1.00	73.00	2.03	09/12/1549	Boca	20			
16	15.00	100		68.00	2.03	04/20/1959	Marri	4.0			
16	16.00	00	100	78.00	2.03	0200201552	Dorver	30			
17	17.00		1.00	80.00	3.01	06/15/1980	Book	30			
100	1800	DE DE	100	78.00	1.03	06/06/1986	Cleveland	20			

Topics

- 1. Coding of your Data
 - a. Coding Binary and Categorical Variables
 - b. Codebook/ Data Dictionary
- 2. Data Entry- Have ID for Matching if RM
 - a. Importing From Excel
- 3. Data Structure and Restructuring (Depends on Analysis)
 - a. Wide (Simple Correlations and RM Analysis)
 - b. Stacked (Advanced RM and Nested Designs)
- 4. Data Validation
- 5. Computing Variables
 - a. Revers Coding
 - b. Scales and Subscales
 - c. Dates

Preliminary Steps in Setting up Data Analysis

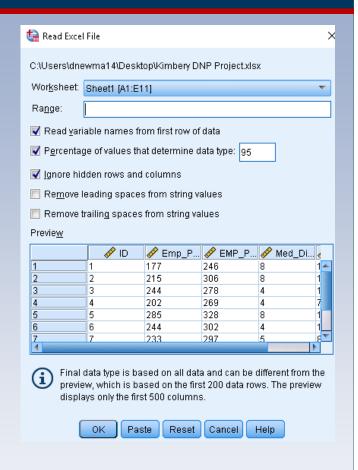
Coding Data from a Survey General Information

- 1. Coding Dichotomous Variables
- 2. Coding Categorical Variables
 - 1. Dummy Coding -Categorical
- 3. If you can Select Multiple Choices

(Please check the ONE II couple, please use the his					ing as a
Marital Status:				,	
2. Gender:					
3. If married: Do you				adame in dissid	1
-					
4. If married and giving					
5. Age: Under 29	29 to 38	39 to 56	57 to 64	65 and	older
6. Highest level of educa	ition you have re	ceived:			
High School	Trade or	Vocational Scho	ol C	ommunity Co	ollege
Four year University	Degree	Graduate Sch	ool	Other	
7. In what region are yo	u currently worl	king and living:			
North Central	Northeast	North	West		
South Central	Southeast	South	West		
8. Household annual in	come:				
Below \$150,000	\$150,000 - \$250,0	000 \$250,0	00 - \$500,000	above \$50	00,000
Involvement with Tl	ie Seed Compa	ny			
Have You					
A met any of our lea	dership team?	Yes No_	More tha	n once? Y	es No_
B met our internation	aal partners?	Yes No	More tha	n once? Y	esNo_
C attended our event	Y	es No_			
D hosted events or p	Y	es No			
E attended a Preside	nt's Forum?	Yes No	More tha	n once? Y	es No
F brought or influen	Y	es No			
G built a relationship	Y	es No			
H ever been on a mis	sion trip before?	Yes No	w	ith us? Y	es No
I presented our work	Y	es No_			

Importing from Excel and Reverse Coding

- 1. Save Excel to Desktop.
- 2. Open SPSS
- 3. Under File Click on Open then Data.
- Under Look in Select Desktop the Select File Type of Excel
- Reverse Coding if required enter straight from data sheet and recode later.



Data Structure

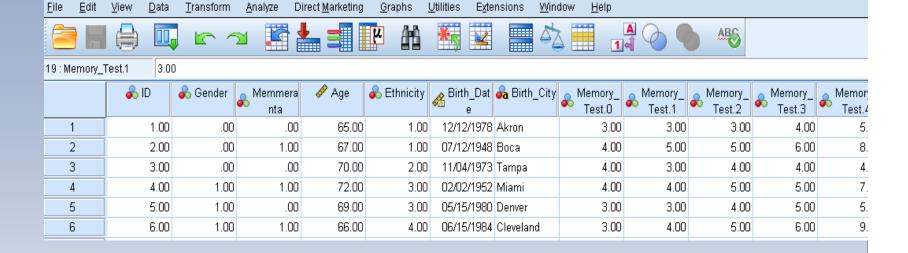
1. Wide Databases: Every ID only has one row. (Correlation, Dependent t-test, Repeated Measures ANOVA, MLR

https://youtu.be/MWwsd5orXDw

2. Stacked Databases: Every Time point has its own row with IDs Repeating themselves. (Advances RM Analysis: GLMM, HLM, GEE, MLR with person vectors

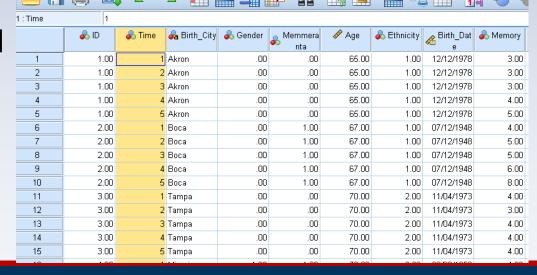
https://youtu.be/-GNRFeHAVy0

Wide



<u>W</u>indow

Stacked



Analyze Direct Marketing

Preliminary Steps in Setting up Data Analysis

Utilities

Extensions

Data Validation

- 1. Descriptive Statistics Min and Max
 - a. Are data out of range.
 - b. Are the means reasonable
- 2. Frequencies
 - a. Search for out of range values
- 3. Missing Value Analysis

More YouTube Videos

- 1. Recode into Same or Different Variable
 - 1. Same variable is faster
 - 2. Different variable to keep initial values.

https://youtu.be/xKJisOMvY54

- 2. Compute Variables
 - 1. Add up variables
 - 2. Sum variables using (Sum)

https://youtu.be/gtue2c7O8VA