

# **SOURCEBOOK**

## **SPSS**

### **BLANK OUTPUT**

**Abstract:** This chapter is used as a set of worksheets for class problems. Students fill in their answers on these sheets, thus making clear the links between non-computer (“hand”) calculations and the SPSS output.

**Keywords:** SPSS output, worksheets

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This document is part of an online statistics sourcebook.

A browser-friendly viewing platform for the sourcebook is available:

<https://cwendorf.github.io/Sourcebook>

All data, syntax, and output files are available:

<https://github.com/cwendorf/Sourcebook>

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# Frequencies (Frequencies and Descriptives)

Variable: \_\_\_\_\_

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	_____	_____	_____	_____	_____
	_____	_____	_____	_____	_____
	_____	_____	_____	_____	_____
	_____	_____	_____	_____	_____
	_____	_____	_____	_____	_____
	_____	_____	_____	_____	_____
	_____	_____	_____	_____	_____
	_____	_____	_____	_____	_____
	_____	_____	_____	_____	_____
	_____	_____	_____	_____	_____
	_____	_____	_____	_____	_____
	_____	_____	_____	_____	_____
	_____	_____	_____	_____	_____
	_____	_____	_____	_____	_____
Total		_____	_____	_____	_____

## Statistics

Variable: \_\_\_\_\_

N	Valid	_____
Mean		_____
Std. Deviation		_____
Variance		_____
Percentiles	25	_____
	50	_____
	75	_____

# Correlations (Bivariate)

## Descriptive Statistics

	Mean	Std. Deviation	N
Variable: _____	_____	_____	_____
Variable: _____	_____	_____	_____

## Correlations

		Variable: _____	Variable: _____
Variable: _____	Pearson Correlation	_____	_____
	Sig. (2-tailed)		XXXXXX
	Sum of Squares and Cross-products	_____	_____
	Covariance	_____	_____
	N	_____	_____
Variable: _____	Pearson Correlation	_____	_____
	Sig. (2-tailed)	XXXXXX	
	Sum of Squares and Cross-products	_____	_____
	Covariance	_____	_____
	N	_____	_____

# T-Test (One Sample)

## One-Sample Statistics

	N	Mean	Std. Deviation	Std. Error Mean
DV	_____	_____	_____	_____

## One-Sample Test

Test Value = \_\_\_\_\_

	t	df	Sig. (2-tailed)	Mean Difference	95% Confidence Interval of the Difference	
					Lower	Upper
DV	_____	_____	_____	_____	_____	_____

# T-Test (Paired Samples)

## Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	Variable 1: _____	_____	_____	_____	_____
	Variable 2: _____	_____	_____	_____	_____

## Paired Samples Correlations

		N	Correlation	Sig.
Pair 1	Variable 1 & Variable 2	_____	_____	_____

## Paired Samples Test

		Paired Differences							
		Mean	Std. Dev.	Std. Error Mean	95% Confidence Interval of the Difference		t	df	Sig. (2-tailed)
					Lower	Upper			
Pair 1	Variable 1 & Variable 2	_____	_____	_____	_____	_____	_____	_____	_____

## T-Test (Independent Samples)

### Group Statistics

	Group	N	Mean	Std. Deviation	Std. Error Mean
DV	Level 1	_____	_____	_____	_____
	Level 2	_____	_____	_____	_____

### Independent Samples Test

		t-test for Equality of Means					95% Confidence Interval of the Difference	
		t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	Lower	Upper
DV	Equal variances assumed	_____	_____	_____	_____	_____	_____	_____
	Equal variances not assumed	XXXX	XXX	XXXX	XXXXXX	XXXXXXX	XXXXXX	XXXXXX

## Oneway (OneWay ANOVA)

### Descriptives

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean	
					Lower Bound	Upper Bound
Level 1	_____	_____	_____	_____	_____	_____
Level 2	_____	_____	_____	_____	_____	_____
Level 3	_____	_____	_____	_____	_____	_____
Total	_____	_____	_____	_____	_____	_____

### ANOVA

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	_____	_____	_____	_____	_____
Within Groups	_____	_____	_____		
Total	_____	_____			



# Post Hoc Tests (OneWay ANOVA)

## Multiple Comparisons

Dependent Variable: \_\_\_\_\_

Comparison Procedure : \_\_\_\_\_

(I) IV	(J) IV	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
Level 1	Level 2	_____	_____	_____	_____	_____
	Level 3	_____	_____	_____	_____	_____
Level 2	Level 1	_____	_____	_____	_____	_____
	Level 3	_____	_____	_____	_____	_____
Level 3	Level 1	_____	_____	_____	_____	_____
	Level 2	_____	_____	_____	_____	_____

\*. The mean difference is significant at the .05 level.

# General Linear Model (Repeated Measures ANOVA)

## Tests of Between-Subjects Effects

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Intercept	XXXXXXX	XXXX	XXXXXXX	XXXXXX	XXXXXX
Error	_____	_____	_____		

## Tests of Within-Subjects Effects

Source		Type III Sum of Squares	df	Mean Square	F	Sig.
Treatment	Sphericity Assumed	_____	_____	_____	_____	_____
	Greenhouse-Geisser	XXXXXXX	XXXX	XXXXXXX	XXXXXX	XXXXXX
	Huynh-Feldt	XXXXXXX	XXXX	XXXXXXX	XXXXXX	XXXXXX
	Lower-bound	XXXXXXX	XXXX	XXXXXXX	XXXXXX	XXXXXX
Error	Sphericity Assumed	_____	_____	_____		
	Greenhouse-Geisser	XXXXXXX	XXXX	XXXXXXX		
	Huynh-Feldt	XXXXXXX	XXXX	XXXXXXX		
	Lower-bound	XXXXXXX	XXXX	XXXXXXX		

# Univariate Analysis of Variance (Factorial ANOVA)

## Tests of Between-Subjects Effects

Dependent Variable: \_\_\_\_\_

Source	Type III Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
Corrected Model	XXXXXXXX	XXXXXX	XXXXXXXX	XXXXXXXX	XXXX	XXXX
Intercept	XXXXXXXX	XXXXXX	XXXXXXXX	XXXXXXXX	XXXX	XXXX
Factor A	_____	_____	_____	_____	_____	_____
Factor B	_____	_____	_____	_____	_____	_____
Factor A * Factor B	_____	_____	_____	_____	_____	_____
Error	_____	_____	_____			
Total	XXXXXXXX	XXXXXX				
Corrected Total	_____	_____				