

```

UNIANOVA Obedience BY Cake Gender
  /METHOD=SSTYPE(3)
  /INTERCEPT=INCLUDE
  /PLOT=PROFILE(Gender*Cake)
  /EMMEANS=TABLES(OVERALL)
  /EMMEANS=TABLES(Cake)
  /EMMEANS=TABLES(Gender)
  /EMMEANS=TABLES(Cake*Gender)
  /PRINT=ETASQ DESCRIPTIVE HOMOGENEITY
  /CRITERIA=ALPHA(.05)
  /DESIGN=Cake Gender Cake*Gender.

```

Univariate Analysis of Variance

Notes

Output Created		15-APR-2020 17:38:...
Comments		
Input	Data	/Users/nathanielstafford/OneDrive - University of Central Oklahoma/Teaching/PSY 3713 Spring 2020/Final Project/Final_Project.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	94
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on all cases with valid data for all variables in the model.

Notes

Syntax		UNIANOVA Obedience BY Cake Gender /METHOD=SSTYPE(3) /INTERCEPT=INCLUDE /PLOT=PROFILE (Gender*Cake) /EMMEANS=TABLES (OVERALL) /EMMEANS=TABLES (Cake) /EMMEANS=TABLES (Gender) /EMMEANS=TABLES (Cake*Gender) /PRINT=ETASQ DESCRIPTIVE HOMOGENEITY /CRITERIA=ALPHA(.05) /DESIGN=Cake Gender Cake*Gender.
Resources	Processor Time	00:00:00.18
	Elapsed Time	00:00:00.00

Between-Subjects Factors

		Value Label	N
Cake	.00	No Cake	47
	1.00	Cake	47
Gender	.00	Women	48
	1.00	Men	46

Descriptive Statistics

Dependent Variable: Obedience

Cake	Gender	Mean	Std. Deviation	N
No Cake	Women	68.2917	8.53881	24
	Men	30.5217	15.95696	23
	Total	49.8085	22.85744	47
Cake	Women	54.8750	24.96661	24
	Men	95.9565	3.29570	23
	Total	74.9787	27.34521	47
Total	Women	61.5833	19.66402	48
	Men	63.2391	34.98583	46
	Total	62.3936	28.07793	94

Levene's Test of Equality of Error Variances^a

Dependent Variable: Obedience

F	df1	df2	Sig.
37.504	3	90	.000

Tests the null hypothesis that the error variance of the dependent variable is equal across groups.

a. Design: Intercept + Cake + Gender + Cake * Gender

Tests of Between-Subjects Effects

Dependent Variable: Obedience

Source	Type III Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
Corrected Model	51464.157 ^a	3	17154.719	70.646	.000	.702
Intercept	365979.464	1	365979.464	1507.172	.000	.944
Cake	15889.874	1	15889.874	65.437	.000	.421
Gender	64.400	1	64.400	.265	.608	.003
Cake * Gender	36511.576	1	36511.576	150.361	.000	.626
Error	21854.279	90	242.825			
Total	439257.000	94				
Corrected Total	73318.436	93				

a. R Squared = .702 (Adjusted R Squared = .692)

Estimated Marginal Means

1. Grand Mean

Dependent Variable: Obedience

Mean	Std. Error	95% Confidence Interval	
		Lower Bound	Upper Bound
62.411	1.608	59.217	65.605

2. Cake

Dependent Variable: Obedience

Cake	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
No Cake	49.407	2.274	44.890	53.923
Cake	75.416	2.274	70.899	79.932

3. Gender

Dependent Variable: Obedience

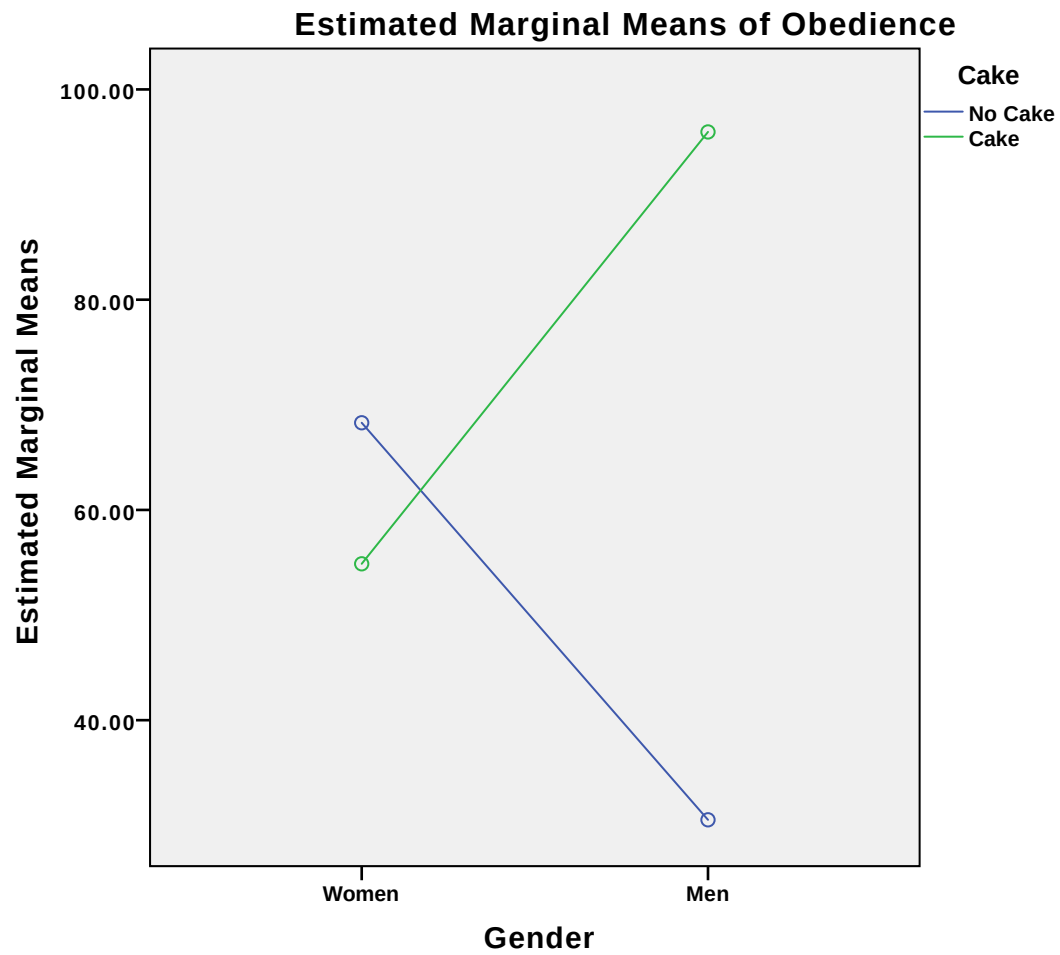
Gender	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
Women	61.583	2.249	57.115	66.052
Men	63.239	2.298	58.675	67.804

4. Cake * Gender

Dependent Variable: Obedience

Cake	Gender	Mean	Std. Error	95% Confidence Interval	
				Lower Bound	Upper Bound
No Cake	Women	68.292	3.181	61.972	74.611
	Men	30.522	3.249	24.067	36.977
Cake	Women	54.875	3.181	48.556	61.194
	Men	95.957	3.249	89.501	102.412

Profile Plots



```

SORT CASES  BY Gender.
SPLIT FILE SEPARATE BY Gender.
T-TEST GROUPS=Cake(0 1)
  /MISSING=ANALYSIS
  /VARIABLES=Obedience
  /CRITERIA=CI(.95).

```

T-Test

Notes

Output Created		15-APR-2020 17:39:...
Comments		
Input	Data	/Users/nathanielstafford/OneDrive - University of Central Oklahoma/Teaching/PSY 3713 Spring 2020/Final Project/Final_Project.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	Gender
	N of Rows in Working Data File	94
Missing Value Handling	Definition of Missing	User defined missing values are treated as missing.
	Cases Used	Statistics for each analysis are based on the cases with no missing or out-of-range data for any variable in the analysis.
Syntax		T-TEST GROUPS=Cake (0 1) /MISSING=ANALYSIS /VARIABLES=Obedience /CRITERIA=CI(.95).
Resources	Processor Time	00:00:00.00
	Elapsed Time	00:00:00.00

Gender = Women

Group Statistics^a

	Cake	N	Mean	Std. Deviation	Std. Error Mean
Obedience	No Cake	24	68.2917	8.53881	1.74298
	Cake	24	54.8750	24.96661	5.09629

a. Gender = Women

Independent Samples Test^a

		Levene's Test for Equality of Variances		t-test for Equality of Means	
		F	Sig.	t	df
Obedience	Equal variances assumed	54.065	.000	2.491	46
	Equal variances not assumed			2.491	28.308

Independent Samples Test^a

		t-test for Equality of Means		
		Sig. (2-tailed)	Mean Difference	Std. Error Difference
Obedience	Equal variances assumed	.016	13.41667	5.38610
	Equal variances not assumed	.019	13.41667	5.38610

Independent Samples Test^a

		t-test for Equality of Means 95% Confidence Interval of the Difference	
		Lower	Upper
Obedience	Equal variances assumed	2.57500	24.25833
	Equal variances not assumed	2.38914	24.44419

a. Gender = Women

Gender = Men

Group Statistics^a

	Cake	N	Mean	Std. Deviation	Std. Error Mean
Obedience	No Cake	23	30.5217	15.95696	3.32726
	Cake	23	95.9565	3.29570	.68720

a. Gender = Men

Independent Samples Test^a

		Levene's Test for Equality of Variances		t-test for Equality of Means	
		F	Sig.	t	df
Obedience	Equal variances assumed	31.185	.000	-19.260	44
	Equal variances not assumed			-19.260	23.874

Independent Samples Test^a

		t-test for Equality of Means		
		Sig. (2-tailed)	Mean Difference	Std. Error Difference
Obedience	Equal variances assumed	.000	-65.43478	3.39748
	Equal variances not assumed	.000	-65.43478	3.39748

Independent Samples Test^a

		t-test for Equality of Means 95% Confidence Interval of the Difference	
		Lower	Upper
Obedience	Equal variances assumed	-72.28196	-58.58761
	Equal variances not assumed	-72.44881	-58.42076

a. Gender = Men