Tina Coye
Statistics Memo – Chart Info

```
GET
  FILE='/Users/TaneshaCoye/Desktop/Stats Final
Assignment/JOBDATA_SPRING13.SAV'.
DATASET NAME DataSet1 WINDOW=FRONT.
```

Dataset Name

Notes

Output Created		17-MAY-2013 13:35:13
Comments		
Input	Data	/Users/TaneshaCoye/Desktop/Stats Final Assignment/JOBDATA_SPRING13.SAV
	File Label	05.00.00
	Filter	<none>
	Weight	<none>
	Split File	<none>
Syntax		DATASET NAME DataSet1 WINDOW=FRONT.
Resources	Processor Time	00:00:00.00
	Elapsed Time	00:00:00.00

*Information for Chart.

```
DATASET ACTIVATE DataSet1.
T-TEST GROUPS=minority(0 1)
  /MISSING=ANALYSIS
  /VARIABLES=salary educ yearlap
  /CRITERIA=CI(.95)
```

T-Test

[DataSet1]

Group Statistics

	minority	N	Mean	Std. Deviation	Std. Error Mean
salary	0 "Non-minority"	370	$36,023.31	$18,044.096	$938.068

	1 "Minority"	104	$28,713.94	$11,421.638	$1,119.984
	0 "Non-minority"	370	13.69	2.942	.153
educ	1 "Minority"	104	12.77	2.555	.251
	0 "Non-minority"	370	17.15	10.082	.524
yearlap	1 "Minority"	104	15.95	9.978	.978

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means			
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference
salary	Equal variances assumed	28.487	.000	3.915	472	.000	$7,309.369
	Equal variances not assumed			5.003	262.188	.000	$7,309.369
educ	Equal variances assumed	6.201	.013	2.913	472	.004	.925
	Equal variances not assumed			3.152	186.843	.002	.925
yearlap	Equal variances assumed	.015	.903	1.077	472	.282	1.202
	Equal variances not assumed			1.083	166.762	.280	1.202

Independent Samples Test

		t-test for Equality of Means		
		Std. Error Difference	95% Confidence Interval of the Difference	
			Lower	Upper
salary	Equal variances assumed	$1,867.111	$3,640.491	$10,978.246
	Equal variances not assumed	$1,460.936	$4,432.707	$10,186.030
educ	Equal variances assumed	.318	.301	1.550
	Equal variances not assumed	.294	.346	1.504
yearlap	Equal variances assumed	1.116	-.992	3.396
	Equal variances not assumed	1.110	-.989	3.394

```
CROSSTABS
  /TABLES=jobcat BY minority
  /FORMAT=AVALUE TABLES
  /STATISTICS=CHISQ RISK
  /CELLS=COUNT
  /COUNT ROUND CELL.
```

Crosstabs

[DataSet1]

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
jobcat * minority	474	100.0%	0	0.0%	474	100.0%

jobcat * minority Crosstabulation

Count

		minority		Total
		0 "Non-minority"	1 "Minority"	
jobcat	1 Clerical	276	87	363
	2 Custodial	14	13	27
	3 Manager	80	4	84
Total		370	104	474

Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)
Pearson Chi-Square	26.172[a]	2	.000
Likelihood Ratio	29.436	2	.000
Linear-by-Linear Association	9.778	1	.002
N of Valid Cases	474		

a. 0 cells (0.0%) have expected count less than 5. The minimum expected count is 5.92.

Risk Estimate

	Value
Odds Ratio for jobcat (1 Clerical / 2 Custodial)	[a]

a. Risk Estimate statistics cannot be computed. They are only computed for a 2*2 table without empty cells.

```
CROSSTABS
  /TABLES=jobcat BY minority
  /FORMAT=AVALUE TABLES
  /STATISTICS=CHISQ RISK
  /CELLS=COUNT ROW
  /COUNT ROUND CELL
```

Crosstabs

[DataSet1]

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
jobcat * minority	474	100.0%	0	0.0%	474	100.0%

jobcat * minority Crosstabulation

			minority		Total
			0 "Non-minority"	1 "Minority"	
jobcat	1 Clerical	Count	276	87	363
		% within jobcat	76.0%	24.0%	100.0%
	2 Custodial	Count	14	13	27
		% within jobcat	51.9%	48.1%	100.0%
	3 Manager	Count	80	4	84
		% within jobcat	95.2%	4.8%	100.0%
Total		Count	370	104	474
		% within jobcat	78.1%	21.9%	100.0%

Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)
Pearson Chi-Square	26.172[a]	2	.000
Likelihood Ratio	29.436	2	.000
Linear-by-Linear Association	9.778	1	.002
N of Valid Cases	474		

a. 0 cells (0.0%) have expected count less than 5. The minimum expected count is 5.92.

Risk Estimate

	Value
Odds Ratio for jobcat (1 Clerical / 2 Custodial)	[a]

a. Risk Estimate statistics cannot be computed. They are only computed for a 2*2 table without empty cells.

```
CROSSTABS
  /TABLES=gender BY minority
  /FORMAT=AVALUE TABLES
```

```
  /STATISTICS=CHISQ
  /CELLS=COUNT ROW
  /COUNT ROUND CELL.
```

Crosstabs

[DataSet1]

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
gender * minority	474	100.0%	0	0.0%	474	100.0%

gender * minority Crosstabulation

			minority		Total
			0 "Non-minority"	1 "Minority"	
gender	0 "Male"	Count	194	64	258
		% within gender	75.2%	24.8%	100.0%
	1 Female	Count	176	40	216
		% within gender	81.5%	18.5%	100.0%
Total		Count	370	104	474
		% within gender	78.1%	21.9%	100.0%

Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)	Exact Sig. (2-sided)	Exact Sig. (1-sided)
Pearson Chi-Square	2.714[a]	1	.099		
Continuity Correction[b]	2.359	1	.125		
Likelihood Ratio	2.738	1	.098		
Fisher's Exact Test				.119	.062
Linear-by-Linear Association	2.708	1	.100		
N of Valid Cases	474				

a. 0 cells (0.0%) have expected count less than 5. The minimum expected count is 47.39.

b. Computed only for a 2x2 table

```
CROSSTABS
  /TABLES=jobcat BY minority
  /FORMAT=AVALUE TABLES
  /STATISTICS=CHISQ
  /CELLS=COUNT ROW COLUMN TOTAL
  /COUNT ROUND CELL.
```

Crosstabs

[DataSet1]

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
jobcat * minority	474	100.0%	0	0.0%	474	100.0%

jobcat * minority Crosstabulation

			minority		Total
			0 "Non-minority"	1 "Minority"	
jobcat	1 Clerical	Count	276	87	363
		% within jobcat	76.0%	24.0%	100.0%
		% within minority	74.6%	83.7%	76.6%
		% of Total	58.2%	18.4%	76.6%
	2 Custodial	Count	14	13	27
		% within jobcat	51.9%	48.1%	100.0%
		% within minority	3.8%	12.5%	5.7%
		% of Total	3.0%	2.7%	5.7%
	3 Manager	Count	80	4	84
		% within jobcat	95.2%	4.8%	100.0%
		% within minority	21.6%	3.8%	17.7%

Total	% of Total	16.9%	0.8%	17.7%
	Count	370	104	474
	% within jobcat	78.1%	21.9%	100.0%
	% within minority	100.0%	100.0%	100.0%
	% of Total	78.1%	21.9%	100.0%

Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)
Pearson Chi-Square	26.172[a]	2	.000
Likelihood Ratio	29.436	2	.000
Linear-by-Linear Association	9.778	1	.002
N of Valid Cases	474		

a. 0 cells (0.0%) have expected count less than 5. The minimum expected count is 5.92.