

GET

FILE='C:\Users\stefa\OneDrive - Careered - CTU\2024\RES814\Data Files SPSS\Week 1\schools.sav'.

ALTER TYPE ALL(A=AMIN).

Alter Type

C:\Users\stefa\OneDrive - Careered - CTU\2024\RES814\Data Files SPSS\Week 1\schools.sav

Altered Types

School name	A60	AMIN
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DATASET NAME DataSet1 WINDOW=FRONT.

T-TEST PAIRS=act93 WITH act94 (PAIRED)

/ES DISPLAY(TRUE) STANDARDIZER(SD)

/CRITERIA=CI(.9500)

/MISSING=ANALYSIS.

T-Test

[DataSet1] C:\Users\stefa\OneDrive - Careered - CTU\2024\RES814\Data Files SPSS\Week 1\schools.sav

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	average ACT score 1993	15.986	64	1.8401	.2300
	average ACT score 1994	15.861	64	1.8351	.2294

Paired Samples Correlations

		N	Correlation	Sig.
Pair 1	average ACT score 1993 & average ACT score 1994	64	.972	.000

Paired Samples Test

		Paired Differences					t
		Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference		
					Lower	Upper	
Pair 1	average ACT score 1993 - average ACT score 1994	.1250	.4342	.0543	.0165	.2335	2.303

Paired Samples Test

		df	Sig. (2-tailed)
Pair 1	average ACT score 1993 - average ACT score 1994	63	.025

Paired Samples Effect Sizes

			Standardizer ^a	Point Estimate	95% Confidence Interval	
					Lower	Upper
Pair 1	average ACT score 1993 - average ACT score 1994	Cohen's d	.4342	.288	.037	.537
		Hedges' correction	.4369	.286	.036	.534

a. The denominator used in estimating the effect sizes.

Cohen's d uses the sample standard deviation of the mean difference.

Hedges' correction uses the sample standard deviation of the mean difference, plus a correction factor.

GET

FILE='C:\Users\stefa\OneDrive - Careered - CTU\2024\RES814\Data Files SPSS\Week 1\electric.sav'.

DATASET NAME DataSet2 WINDOW=FRONT.

T-TEST GROUPS=vital10(0 1)

/MISSING=ANALYSIS

/VARIABLES=chol58

/ES DISPLAY(TRUE)

/CRITERIA=CI(.95).

T-Test

[DataSet2] C:\Users\stefa\OneDrive - Careered - CTU\2024\RES814\Data Files SPSS\Week 1\electric.sav

Group Statistics

Status at Ten Years		N	Mean	Std. Deviation	Std. Error Mean
Serum Cholesterol 58 -- Mg per DL	Alive	179	264.87	52.981	3.960
	Dead	61	261.80	51.807	6.633

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means		
		F	Sig.	t	df	Sig. (2-tailed)
Serum Cholesterol 58 -- Mg per DL	Equal variances assumed	.054	.817	.392	238	.695
	Equal variances not assumed			.396	105.858	.693

Independent Samples Test

		t-test for Equality of Means			
		Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
				Lower	Upper
Serum Cholesterol 58 -- Mg per DL	Equal variances assumed	3.063	7.811	-12.325	18.451
	Equal variances not assumed	3.063	7.725	-12.254	18.379

Independent Samples Effect Sizes

		Standardizer ^a	Point Estimate	95% Confidence Interval	
				Lower	Upper
Serum Cholesterol 58 -- Mg per DL	Cohen's d	52.687	.058	-.233	.349
	Hedges' correction	52.854	.058	-.232	.348
	Glass's delta	51.807	.059	-.232	.350

a. The denominator used in estimating the effect sizes.
 Cohen's d uses the pooled standard deviation.
 Hedges' correction uses the pooled standard deviation, plus a correction factor.
 Glass's delta uses the sample standard deviation of the control group.

GET

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FILE='C:\Users\stefa\OneDrive - Careered - CTU\2024\RES814\Data Files SPSS\Week 1\gss.sav'.
DATASET NAME DataSet3 WINDOW=FRONT.
ONEWAY rincdol BY ndegree
  /MISSING ANALYSIS
  /CRITERIA=CILEVEL(0.95)
  /POSTHOC=BONFERRONI ALPHA(0.05).
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Oneway

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[DataSet3] C:\Users\stefa\OneDrive - Careered - CTU\2024\RES814\Data Files SPSS\Week 1\gss.sav
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ANOVA

Respondent's income; ranges recoded to midpoints

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	69070941438	2	34535470719	68.102	.000
Within Groups	4.635E+11	914	507116092.0		
Total	5.326E+11	916			

Post Hoc Tests

Multiple Comparisons

Dependent Variable: Respondent's income; ranges recoded to midpoints

Bonferroni

(I) Degree	(J) Degree	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
Less than high school	High school	-9006.727 [*]	2397.441	.001	-14756.74	-3256.72
	Junior college or more	-24252.154 [*]	2474.337	.000	-30186.59	-18317.72
High school	Less than high school	9006.727 [*]	2397.441	.001	3256.72	14756.74
	Junior college or more	-15245.427 [*]	1601.619	.000	-19086.74	-11404.11
Junior college or more	Less than high school	24252.154 [*]	2474.337	.000	18317.72	30186.59
	High school	15245.427 [*]	1601.619	.000	11404.11	19086.74

*. The mean difference is significant at the 0.05 level.