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EDG500: Educational Research and Statistics

Week 6 SPSS Chapter 10

Correlations

Correlations			
		SAT Verbal Scores	Freshman GPA
SAT Verbal Scores	Pearson Correlation	1	.831**
	Sig. (2-tailed)		<.001
	N	12	12
Freshman GPA	Pearson Correlation	.831**	1
	Sig. (2-tailed)	<.001	
	N	12	12

** . Correlation is significant at the 0.01 level (2-tailed).

Nonparametric Correlations

Correlations				
		SAT Verbal Scores	Freshman GPA	
Spearman's rho	SAT Verbal Scores	Correlation Coefficient	1.000	.825**
		Sig. (2-tailed)		<.001
		N	12	12
Freshman GPA	Freshman GPA	Correlation Coefficient	.825**	1.000
		Sig. (2-tailed)	<.001	
		N	12	12

** . Correlation is significant at the 0.01 level (2-tailed).

The relationship between SAT Verbal Scores and Freshman GPA is direct and very strong (Pearson $r = .83$).

Correlations			
		Words Typed per Minute	Success on the Job
Words Typed per Minute	Pearson Correlation	1	.749**
	Sig. (2-tailed)		<.001
	N	20	20
Success on the Job	Pearson Correlation	.749**	1
	Sig. (2-tailed)	<.001	
	N	20	20

** . Correlation is significant at the 0.01 level (2-tailed).

Nonparametric Correlations

Correlations				
		Words Typed per Minute	Success on the Job	
Spearman's rho	Words Typed per Minute	Correlation Coefficient	1.000	.659**
		Sig. (2-tailed)		.002
		N	20	20
Success on the Job	Success on the Job	Correlation Coefficient	.659**	1.000
		Sig. (2-tailed)	.002	
		N	20	20

** . Correlation is significant at the 0.01 level (2-tailed).

The relationship between Words Typed per Minute and Success on the Job is direct and very strong. (Pearson $r = .75$).

Exercises Chapter 10:

- The value of the Pearson $r = .75$.
- The value of Spearman's $\rho = .60$.
- The relationship between Words typed per Minute and Success on the Job is direct and very strong. (Pearson $r = .75$).

