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 Chapter 10 SPSS
 2/28/23

Correlations

[DataSet1] /Users/anthonyespinoza/Desktop/SPSS/SAT & GPA.sav

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).

```
NONPAR CORR
/VARIABLES=SAT GPA
/PRINT=SPEARMAN TWOTAIL N
OSIG FULL
/MISSING=PAIRWISE.
```

➔ **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	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 $r = .83$).

- 1) The value of the Pearson r is .75.
- 2) The value of Spearman's rho is .66.
- 3) The relationship between Words Typed Per Minute and Success on the Job is direct and very strong (Pearson $r = .75$).

Correlations

[DataSet1] /Users/anthonyespinoza/Desktop/SPSS/Words Typed & Success.sav

Correlations			
		Words Typed Per Minute	Success on the Job
Words Typed Per Minute	Pearson Correlation	1	.749**
	Sig. (2-tailed)		.000
	N	20	20
Success on the Job	Pearson Correlation	.749**	1
	Sig. (2-tailed)	.000	
	N	20	20

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

```
NONPAR CORR
/VARIABLES=Words Success
/PRINT=SPEARMAN TWOTAIL N
OSIG FULL
/MISSING=PAIRWISE.
```

➔ **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	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 $r = .75$).

