Answers to additional health questions

Chapter 11 Correlation

Q1. Check the strength of the correlation between scores on the Sleepiness and Associated Sensations Scale (*totSAS*) and the Epworth Sleepiness Scale (*ess*).

Correlations

		totsas sleepy & assoc sensations scale	ess epworth sleepiness scale
totsas sleepy & assoc sensations scale	Pearson Correlation	1	.292*
	Sig. (2-tailed)		.000
	N	251	237
ess epworth sleepiness scale	Pearson Correlation	.292*	1
	Sig. (2-tailed)	.000	
	N	237	255

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

There is a weak, but statistically significant correlation (r=.29, p<.0005, n=237) between scores on the Sleepiness and Associated Sensations Scale and the Epworth Sleepiness Scale.

Q2. Use Syntax to assess the correlations between the Epworth Sleepiness Scale (*ess*) and each of the individual items that make up the Sleepiness and Associated Sensations Scale (*fatigue, lethargy, tired, sleepy, energy).*

```
CORRELATIONS
  /VARIABLES=fatigue lethargy tired sleepy energy with ess
  /PRINT=TWOTAIL NOSIG
  /MISSING=PAIRWISE .
```

Correlations

		ess epworth sleepiness scale
fatigue fatigued	Pearson Correlation	.291*
	Sig. (2-tailed)	.000
	N	244
lethargy lethargic	Pearson Correlation	.223*
	Sig. (2-tailed)	.000
	N	253
tired tired	Pearson Correlation	.317*
	Sig. (2-tailed)	.000
	N	254
sleepy sleepy	Pearson Correlation	.276*
	Sig. (2-tailed)	.000
	N	250
energy lack energy	Pearson Correlation	.226*
	Sig. (2-tailed)	.000
	N	252

**. Correlation is significant at the 0.01 level