

Example Correlation results section

1. Two tailed hypothesis / test

Results

A Pearson’s Product Moment Correlation was conducted to explore the relationship between levels of extraversion and levels of sensation seeking. Descriptive statistics for variables included in the analysis are presented in Table 1 below.

Table 1.
Descriptive Statistics for Extraversion and Sensation Seeking.

	<i>M</i>	<i>SD</i>	<i>N</i>
Extraversion	24.38	4.47	13 – 32 (out of 40)
Sensation Seeking	14.18	7.03	4 – 28 (out of 36)

Findings show that there was a weak positive relationship between levels of extraversion and sensation seeking, and that this was significant; $r(32) = .36, p = .40$ (two-tailed). This suggests that higher levels of extraversion are related to higher levels of sensation seeking. The hypothesis that there would be a relationship between extraversion and sensation seeking can be accepted.

2. One-tailed hypothesis / test

Results

The descriptive statistics for the variables included in this study are presented in Table 1 below. As can be seen, the average score for sensation seeking is relatively low, whilst the mean score for extraversion is mid-range.

Table 1.
Descriptive Statistics for Extraversion and Sensation Seeking.

	<i>M</i>	<i>SD</i>	Range
Extraversion	24.38	4.47	13 – 32 (out of 40)
Sensation Seeking	14.18	7.03	4 – 28 (out of 36)

A Pearson's Product Moment Correlation was conducted to explore the relationship between levels of extraversion and levels of sensation seeking. Figure 1 demonstrates the direction of the relationship observed between these two variables. The statistical findings indicate that there is a relatively weak, but significant, positive relationship between extraversion and sensation seeking; $r(32) = .36, p = .20$ (one-tailed). This indicates that higher levels of extraversion are related to higher levels of sensation seeking, therefore the hypothesis that there would be a significant positive relationship between extraversion and sensation seeking can be accepted.

Figure 1

Scatterplot Demonstrating the Relationship Between Extraversion and Sensation Seeking.

