KORELASI (Spearman)

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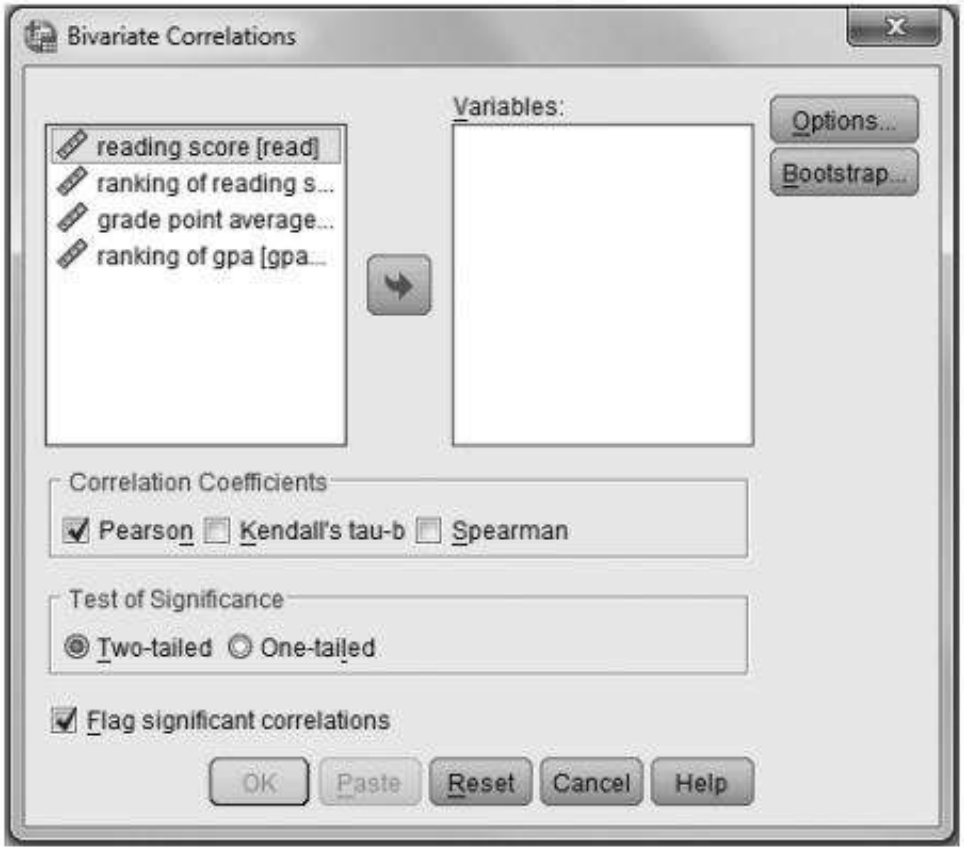
RULES

1. PJ mata kuliah wajib mempersiapkan perlengkapan sebelum proses pembelajaran
2. Membawa Laptop (optional)
3. Terpasang Software SPSS
4. Terkoneksi Internet
5. Mengumpulkan *hasil praktik* selesai perkuliahan di SIP

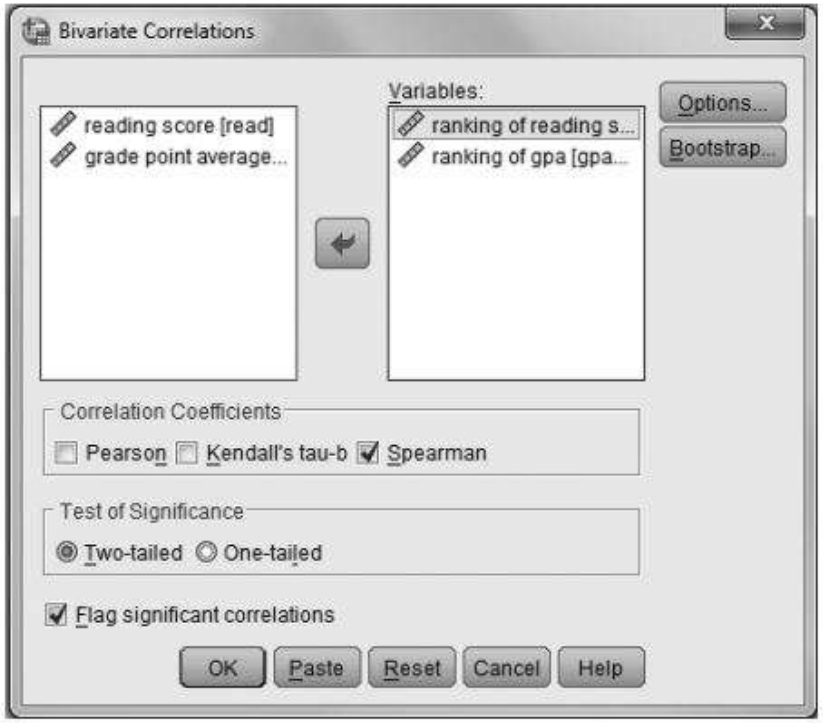
Example 2: Spearman Rank Order Correlation Coefficient

For this example, the same data set will be used. However, the rank order of the two variables (READ_RANK, GPA_RANK) will be used instead of their actual values as recorded. Thus, the computation for this coeffcient is not sensitive to asymmetrical distributions or to the presence of outliers.

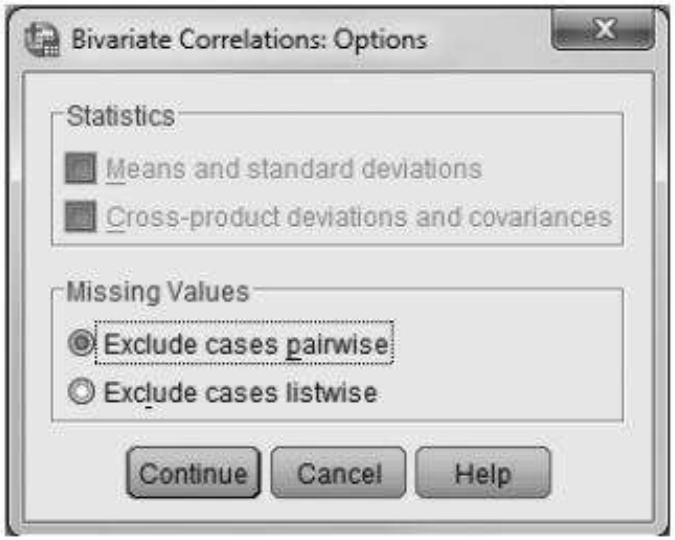
1. From the menu bar, click **Analyze**, then **Correlate,** and then **Bivariate….**
   The following **Bivariate Correlations** window will open.



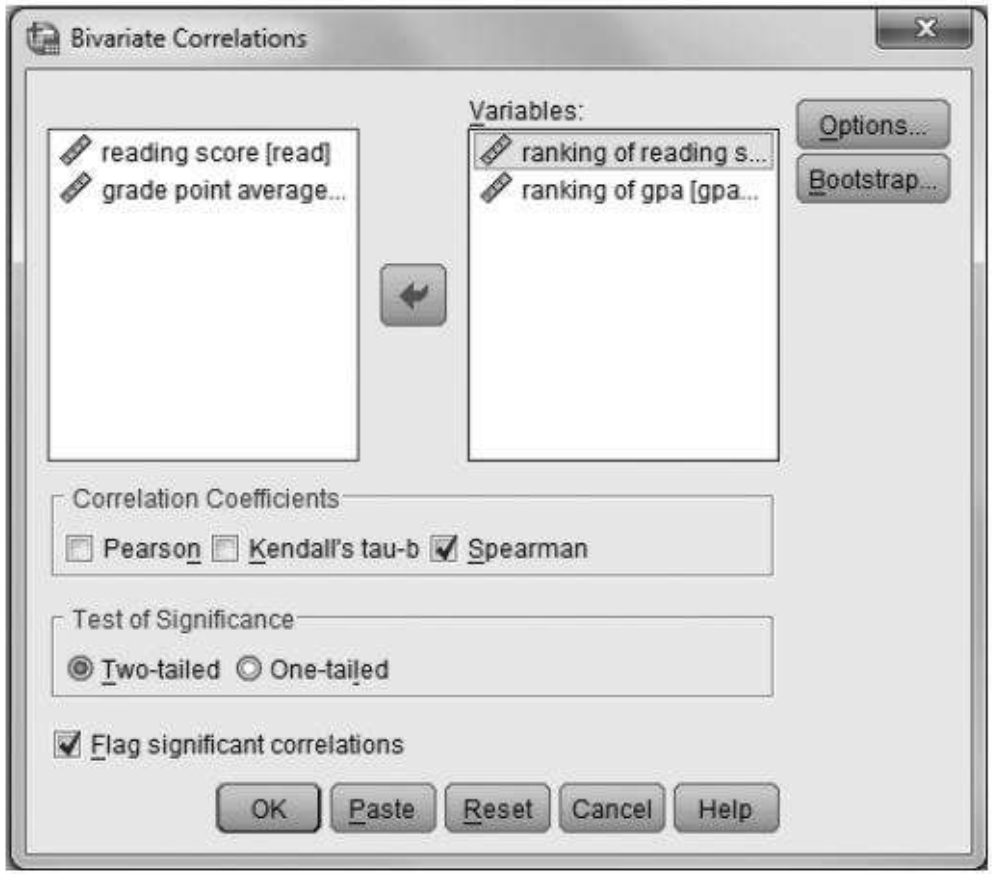
2. Transfer the **READ_RANK** and **GPA_RANK** variables to the **Variables:** field by clicking (highlight) them and then clicking . By default, SPSS will employ the **Pearson correlation analysis** (this field is checked). Uncheck the **Pearson** field and check the **Spearman** field.



3. Click Options... to open the **Bivariate Correlation: Options** window. Ensure that the **Exclude cases pairwise** field is checked.



4. Click Continue to return to the **Bivariate Correlations** window.



SPSS Output

Spearman Rank Order Correlation

Correlations

			Ranking of Reading Scores	Ranking of gpa
Spearman's rho	ranking of reading scores	Correlation Coefficient	1.000	.826**
		Sig. (2-tailed)	.	.000
		N	15	15
	ranking of gpa	Correlation Coefficient	.826**	1.000
		Sig. (2-tailed)	.000	.
		N	15	15

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

Results and Interpretation

The obtained Spearman rank-order coeffcient (rho = 0.826, $p < .001$) is highly similar in magnitude and direction to that in the Pearson correlation table . Thus, similar to the Pearson coeffcient, the Spearman coefficient indicates that as the students' ranked reading scores increase, so do their ranked grade point average scores.

REFLEKSI

1. **Informasi penting hari ini**

2. **Manfaat penting dari informasi penting hari ini**

3. **Tindak lanjut yang dapat saudara lakukan**


Thank You