

# Partial Correlation

To get started:

- The input dataset require the measure type of numeric-continuous in jamovi.
- To get the result table of Pearson correlation, just highlight the variables and click the arrow to move it across into the 'Variables' box.
- If you move the variables into 'Controlling for'box, the result table shows Partial correlation.

Note: When One variable is dichotomous, the other is continuous, the result table is equivalent to a Point-biserial correlation.

- Feature requests and bug reports can be made on my [GitHub](#)

If you have any questions, please e-mail me: [snow@cau.ac.kr](mailto:snow@cau.ac.kr)

Partial Correlation Matrix

|              |   | degree    | WM        | LANG      | VOCAB     | DIM       | FIC       | traitanxiety | stateanxiety | rsqanxiety | rsqanger  | hours_wk |
|--------------|---|-----------|-----------|-----------|-----------|-----------|-----------|--------------|--------------|------------|-----------|----------|
| degree       | r | —         |           |           |           |           |           |              |              |            |           |          |
| WM           | r | 0.02 ***  | —         |           |           |           |           |              |              |            |           |          |
| LANG         | r | 0.16 ***  | 0.42 ***  | —         |           |           |           |              |              |            |           |          |
| VOCAB        | r | 0.05 ***  | 0.32 ***  | 0.51 ***  | —         |           |           |              |              |            |           |          |
| DIM          | r | 0.05 ***  | 0.04 ***  | 0.22 ***  | 0.08 ***  | —         |           |              |              |            |           |          |
| FIC          | r | -0.04 *** | 0.12 ***  | 0.17 ***  | 0.03 ***  | 0.54 ***  | —         |              |              |            |           |          |
| traitanxiety | r | -0.01     | 0.00      | 0.24 ***  | 0.16 ***  | 0.10 ***  | 0.04 ***  | —            |              |            |           |          |
| stateanxiety | r | -0.08 *** | 0.14 ***  | 0.34 ***  | 0.19 ***  | 0.11 ***  | -0.02 *** | 0.62 ***     | —            |            |           |          |
| rsqanxiety   | r | -0.12 *** | -0.24 *** | -0.14 *** | -0.20 *** | -0.10 *** | -0.17 *** | 0.53 ***     | 0.39 ***     | —          |           |          |
| rsqanger     | r | -0.09 *** | -0.28 *** | -0.13 *** | -0.26 *** | -0.18 *** | -0.21 *** | 0.29 ***     | 0.26 ***     | 0.62 ***   | —         |          |
| hours_wk     | r | -0.12 *** | 0.09 ***  | -0.17 *** | -0.05 *** | -0.34 *** | 0.04 ***  | -0.14 ***    | -0.22 ***    | -0.18 ***  | -0.24 *** | —        |

Note. Controlling for age\_yr  
Note. Two-tailed significance: \* p < .05, \*\* p < .01, \*\*\* p < .001

# Gaussian Graphical Model

