

## **Correlation Identification Practice**

1. A researcher is interested in if there is any association between binary gender and number of drinks consumed on a Friday night. What correlation should they use?

### **Point-biserial**

2. A researcher hypothesizes that there may be negative associations in adolescents between frequency of nicotine use and number of days they participated in afterschool activities out of the month. What correlation should they run?

### **Pearson**

3. A researcher wants to test the association between number of plants bought in a year and participants' height. She obtains a non-linear scatterplot. What correlation should she run?

### **Spearman**

4. A researcher wants to test for correlations between COVID-19 test results and political affiliation (democrat or republican). What correlation should they use?

### **Phi Coefficient**