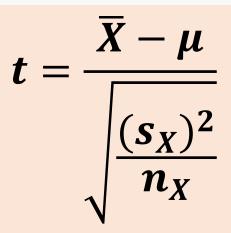
일표본 검정 (One sample T-test)

Import scipy.stats as stats from scipy.stats import shapiro





월콕슨의 부호 순위 검정 (Wilcoxon's signed rank test)

stats.Wilcoxon
(X.variable - μ ,
alternative = 'greater' or
'less' or
'two-sided')

stats.ttest_1samp(X.variable, popmean = μ)

대응 2표본 검정 (Paired test)

Import scipy.stats as stats from scipy.stats import shapiro

$$t = \frac{\overline{X_pre} - \overline{X_post}}{\sqrt{\frac{(s_X)^2}{n_X}}}$$



월콕슨의 부호 순위 검정 (Wilcoxon's signed rank test)

stats.Wilcoxon
(X_pre.variable , X_post.variable , alternative = 'greater' or 'less' or 'two-sided')

stats.ttest_rel(X_pre.variable, X_post.variable)

독립 2표본 검정 (Two sample test)

Import scipy.stats as stats from scipy.stats import shapiro



월콕슨의 부호 순위 검정 (Wilcoxon's signed rank test)

stats.Wilcoxon(X1, X2, alternative = 'greater' or 'less' or 'two-sided')

$$t = \frac{A - B}{\sqrt{\frac{(s_A)^2}{n_A} + \frac{(s_B)^2}{n_B}}}$$



stats.ttest_ind(X1, X2, equal_var = False)

stats.ttest_ind(X1, X2, equal_var = True)