

APA Format for Hypothesis Tests

Test	Example
Z-test	The verbal GRE scores of UW Psych applicants ($M = 212.79$) is significantly greater than 210, $z=2.13$, $p = 0.0167$.
T-test one mean	The Systolic BP (mm Hg) of PTSD patients ($M = 131.66$, $SD = 22.54$) is significantly greater than 120, $t(24) = 2.59$, $p=0.0081$.
Independent measures t-test	The Exam 2 scores for the 2017 Psych 315 students ($M = 81.72$, $SD = 28.2834$) is significantly greater than for the 2016 Psych 315 students ($M = 71.68$, $SD = 33.3654$) $t(160) = 2.07$, $p = 0:02$.
Dependent measures t-test	The GPA of High School male students ($M = 3.62$, $SD = 0.4815$) is significantly different than the GPA of College male students ($M=3.26$, $SD = 0.3778$), $t(22) = -2.7692$, $p = 0.0112$.
χ^2 test for frequencies	The number of left handers in our class is not significantly different from 10 percent. $\chi^2(1, N = 102) = 0.35$, $p = 0:5541$.
χ^2 test for independence	The choice of computer does not vary with gender, $\chi^2(1, N = 98) = 0.2127$, $p = 0.6447$.
Test for one correlation = 0	The correlation between mothers and fathers for students in this class heights is significantly greater than zero, $r(98) = 0.45$, $p < 0.0001$.
Test for two correlations ($\rho_1 = \rho_2$)	The correlation between the hours of sleep and caffeine consumption for women (0.04) is not significantly different than the correlation for men (-0.15), $z = 0.759$, $p = 0.4479$.
One Factor ANOVA	There is a significant difference between the means of the 3 exams, $F(2,24) = 5.42$, $p = .0114$.
Two Factor ANOVA	There is a significant main effect of peanut butter on taste ratings, $F(1,32) = 6.29$, $p = 0.0174$. There is a significant main effect of jelly on taste ratings, $F(1,32) = 7.16$, $p = 0.0117$. There is not a significant interaction between the effects of peanut butter and jelly on taste ratings, $F(1,32) = 0.25$, $p = 0.6205$.