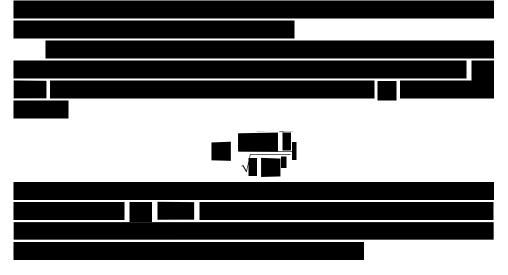
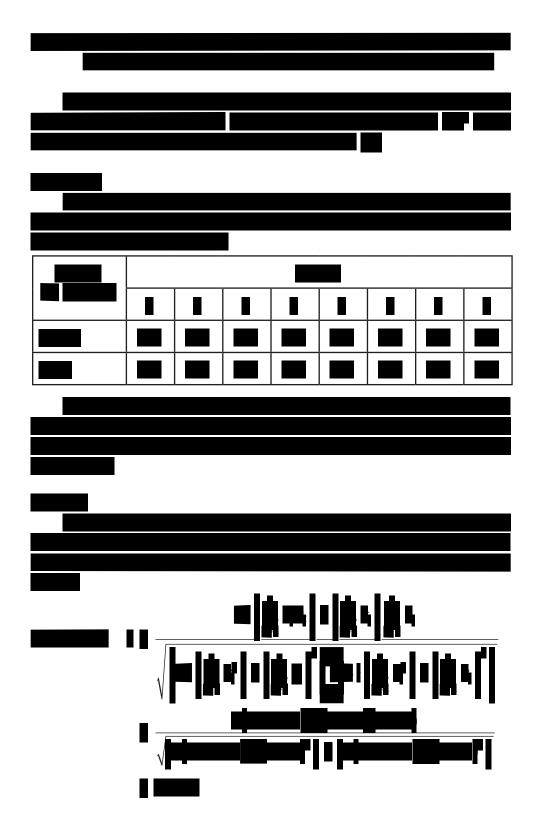


Testing the Significance of Pearson's ρ

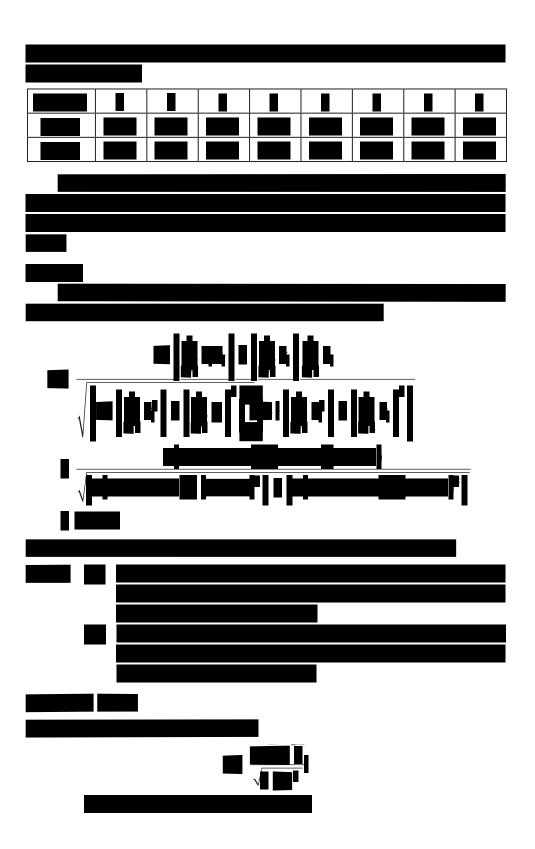
In addition to the estimate of the linear relationship between two numerical variables X and Y using the correlation coefficient Pearson's r, you can also draw an inference about the true linear relationship between X and Y, that is, you draw inferences about

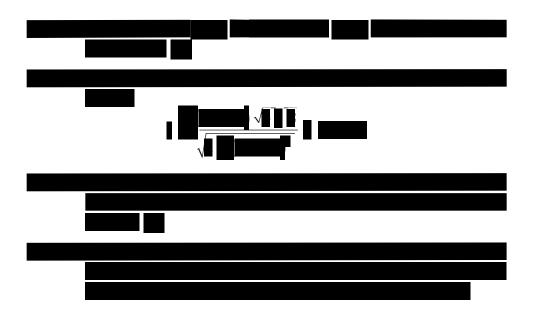




coefficient ρ produces the following: Step 1.

Thus, the test of significance of Pearson's population correlation





Note that the *p*-value associated with the computed test statistic, which is 1.2304, is 0.2646. Since *p*-value > α , that is 0.2646 > 0.05, then you fail to reject *Ho* and you arrive at the same conclusion.