## A1: Brain Size and Intelligence

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## Q1: t-test for MRIcount between high and low intellegince groups

Null hypothesis: True difference in means is equal to 0. We are using an two sample t-test. We are making the assumption that two groups have the normal distribution and the variance of MRI in both groups are unequal. The test statistic is 1.53. The degree of freedom is 37.324, the significance is 0.05 and the confidence interval is 95%. P-value is 0.1344. We fail to reject the null hypothesis. Therefore we don't have sufficient evidence to show a relationship.