



Hypothesis Testing and the Null Hypothesis:
Hypothesis: Girls will do better than boys on a test.
Null hypothesis: no difference between boys and girls.
Give the test
Figure out the means of both samples
Figure out the SED
Determine the probability of obtaining the sample result if the null hypothesis is true: use zero as the mean of the sampling distribution
A small probability means our finding is unusual and therefore we reject the null hypothesis.
A large probability means our finding is not unusual and therefore we accept the null hypothesis.
Type I Error: I reject a true null hypothesis. I ...