	In Reality, null H is true	**In Reality null H is false**
Researcher uses level of significance to reject null hypothesis.	Type 1 error. The null is rejected even though it is true. (Researcher claims a difference, but there isn't one)	Correct. Null is rejected and it is false. (Researcher finds difference)
Researcher uses level of significance to retain null hypothesis. difference)	Correct. Null is retained and it is true. (Researcher doesn't find	Type II error. Null is retained even thought it is false. (Researcher misses a real difference)

To reduce Type 1 error, set p level closer to 0.

To reduce Type 11 is harder. They do have an inverse relationship, so if Type I goes up, Type II goes down.

Sometimes have to balance which is better.