

- 1 dataset: normally 1 sample t-test
- 2 datasets: 2 sample tests

## Steps

- Before start checking the assumption:**

→ **p-value**  $> 0.05$  → **fail to reject Null**

$$H_1 : \mu \neq 110$$

E.g.

Before you start: check how many **datasets** are there

- 1 dataset: normally 1 sample t-test
- 2 datasets: 2 sample tests

It is believed that microbasins (tied ridging) can increase crop yield by concentrating runoff around the rootzone of the crop. However, tied ridging requires more effort on behalf of the farmer than traditional tillage. The provided data is from experiments conducted in Ethiopia. Maize was planted into equally sized tied ridge plots and the crop yield was measured (kg/hectare) at the end of the growing season. You are interested in finding out whether the yield of the tied ridge plot is significantly different than that of the traditional Maize yield which is 2600kg/hectare for this area. Use your statistical genius and R to answer the following questions:

[illegible]