

## Does hosting the Olympics improve performance on the medals table

After doing the research on the dataset using various statistical and visualization techniques. Now let's move on to the main question that can be answered after analyzing the dataset.

We need to answer the question, Does hosting the Olympics improve performance on the medals table?

For this, we are going to make a hypothesis:

**Null Hypothesis(H0):** There is no effect of hosting on the medal tally.

**Alternative Hypothesis(H1):** There is an effect of hosting on the medal tally.

And after statistical testing, we are going to arrive at the conclusion.

**!!!Please perform this activity by yourself first.**

### Recommended Steps:

1. Find the Countries that hosted atleast 2 times.
2. Find the total medal tally of these countries.
3. Find the medal tally of these countries when hosting and non-hosting.
4. Do statistical testing on this data.