







- · x1, x2, ..., x1000 \$. 5 . 6 is differ to 10
- · Can use say our sample is differt?
- · Cott allow w to work out the probability of w getting = J give we think $\mu=10$. If its really low -> our sample deffect... Hypethous test which you'll see next time

Boild the intuition for hypother terting. I think the population mean is 10, I collect load of data (big sample) and the sample mean is to con This seems lawer than 10 so I support the original hypother that the population mean is so might be wrong. But how can I conclude this (injential statistics...)

... well given the Central Limit Theom I know the divibotion of \$\overline{\tau}\$, the sample mean, and I know it is distributed around the population mean I can therefore calculate the probability of getting a sample mean of 5 or lawer, GIVEN, my hypothesis that the population mean is 10

... But more on this next week!