Distributions under the null and alternative hypotheses

In this video, you will learn

- More about sample estimates distributions.
- How sampling variability and noise contribute to hypothesis distributions.
- THE BASIS OF ALL INFERENTIAL STATISTICS.

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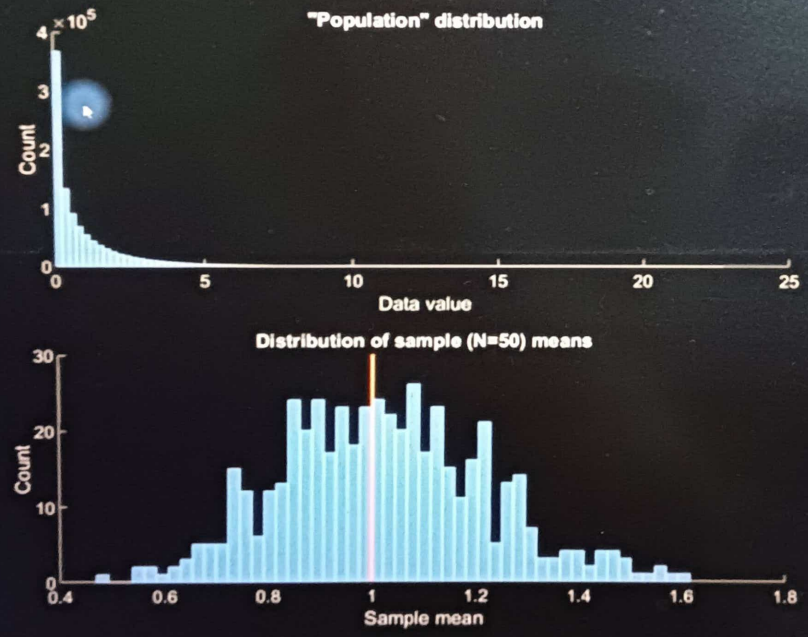
Reminder about distributions of estimates

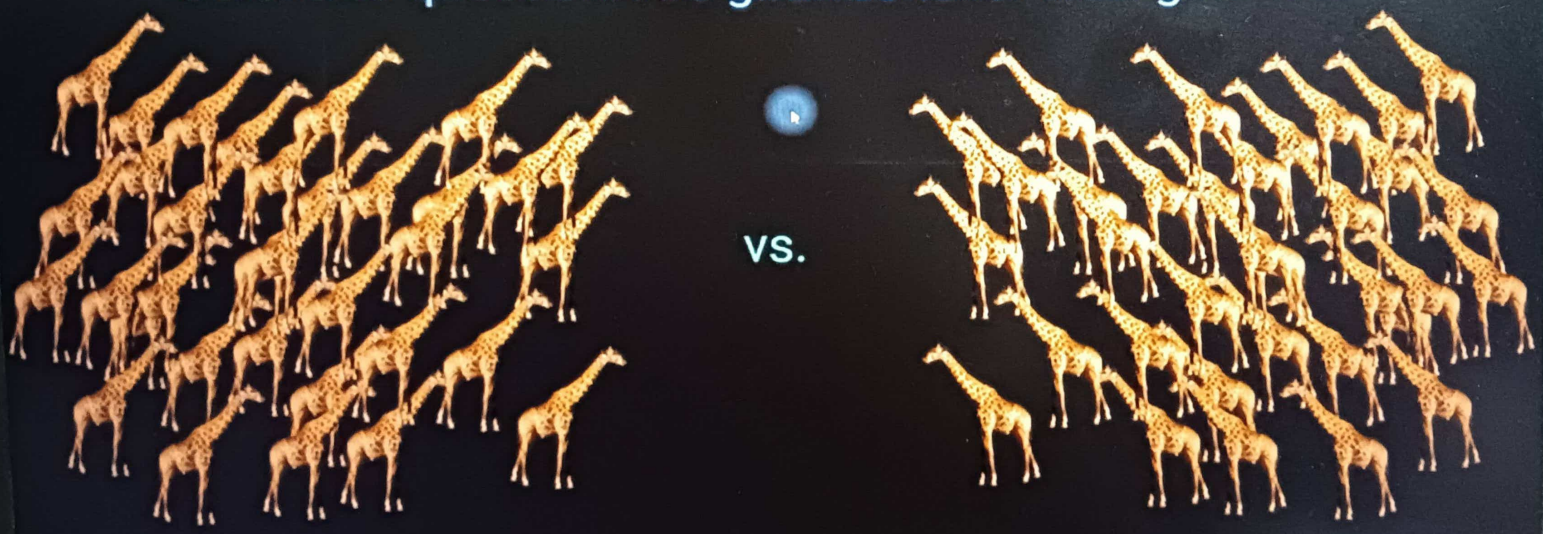
(From lecture on CLT.)



1.00

Creating a null hypothesis distribution

Scientific question: Are giraffes taller than giraffes?



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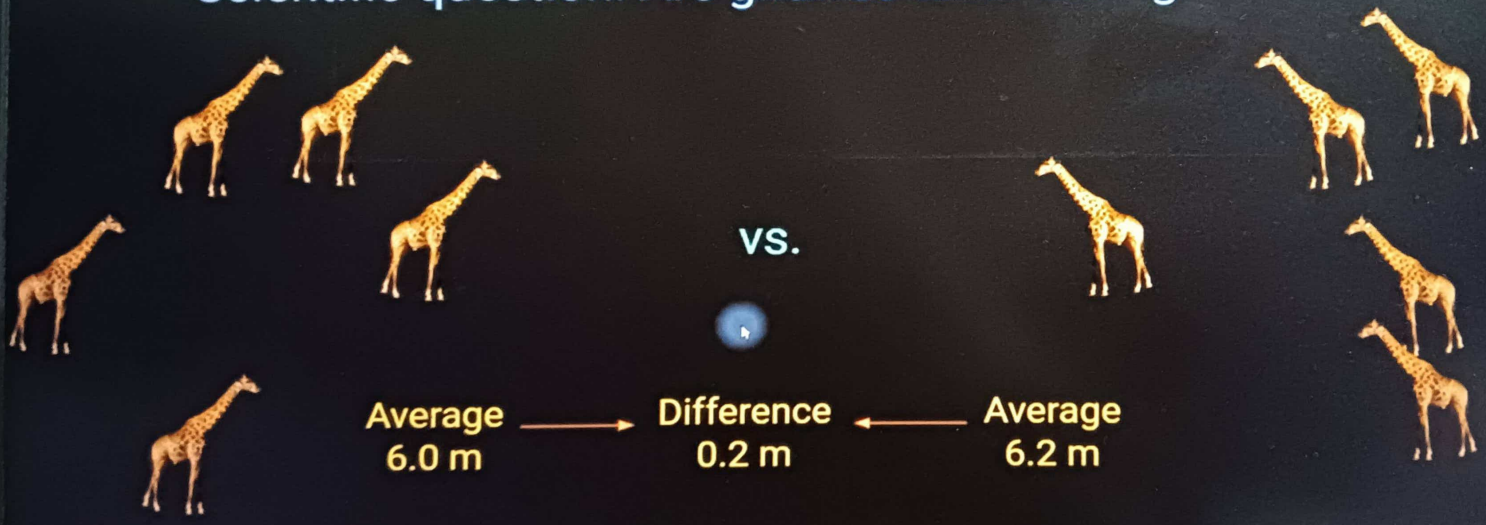
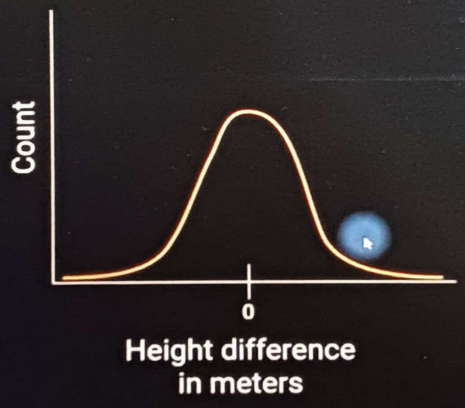


1.00

Creating a sample distribution of differences

Scientific question: Are giraffes taller than giraffes?



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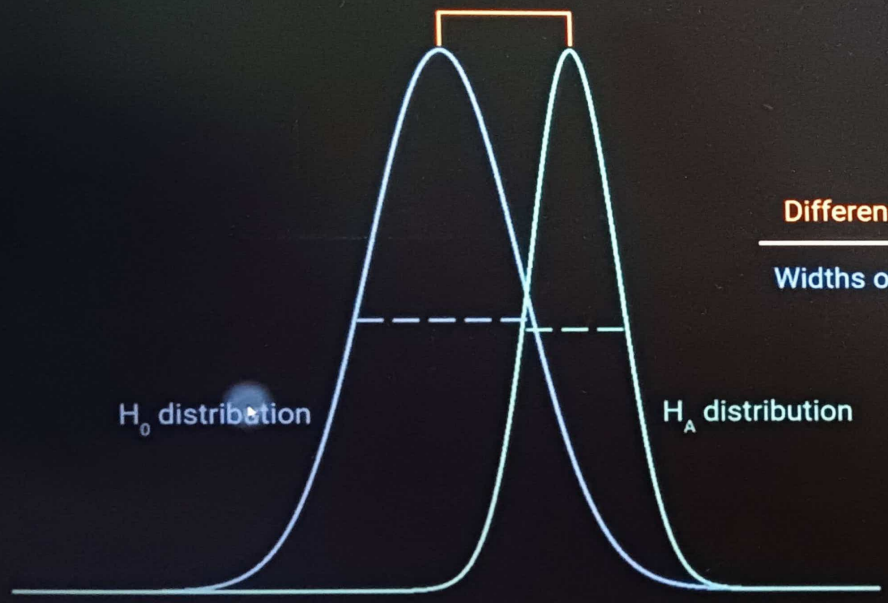
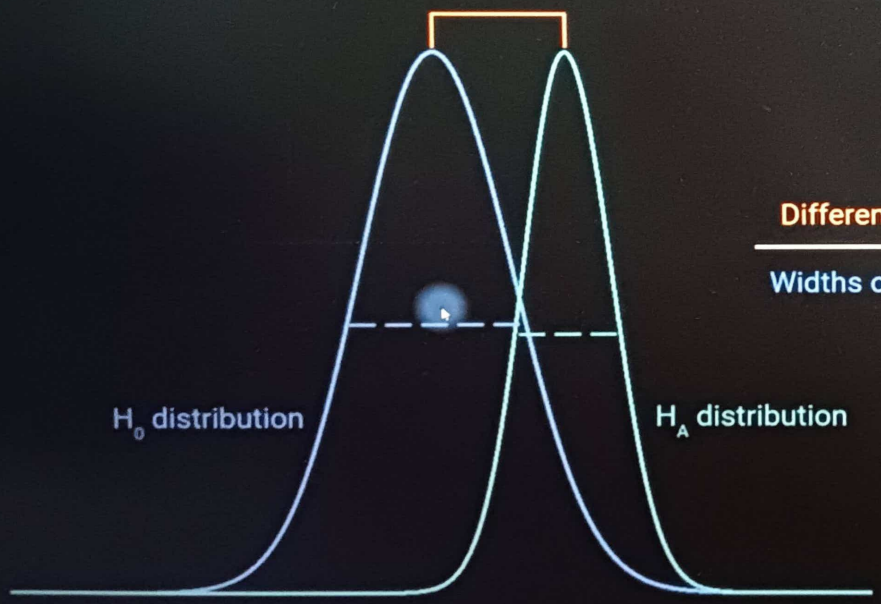
Estimate distributions under H_0 and H_A

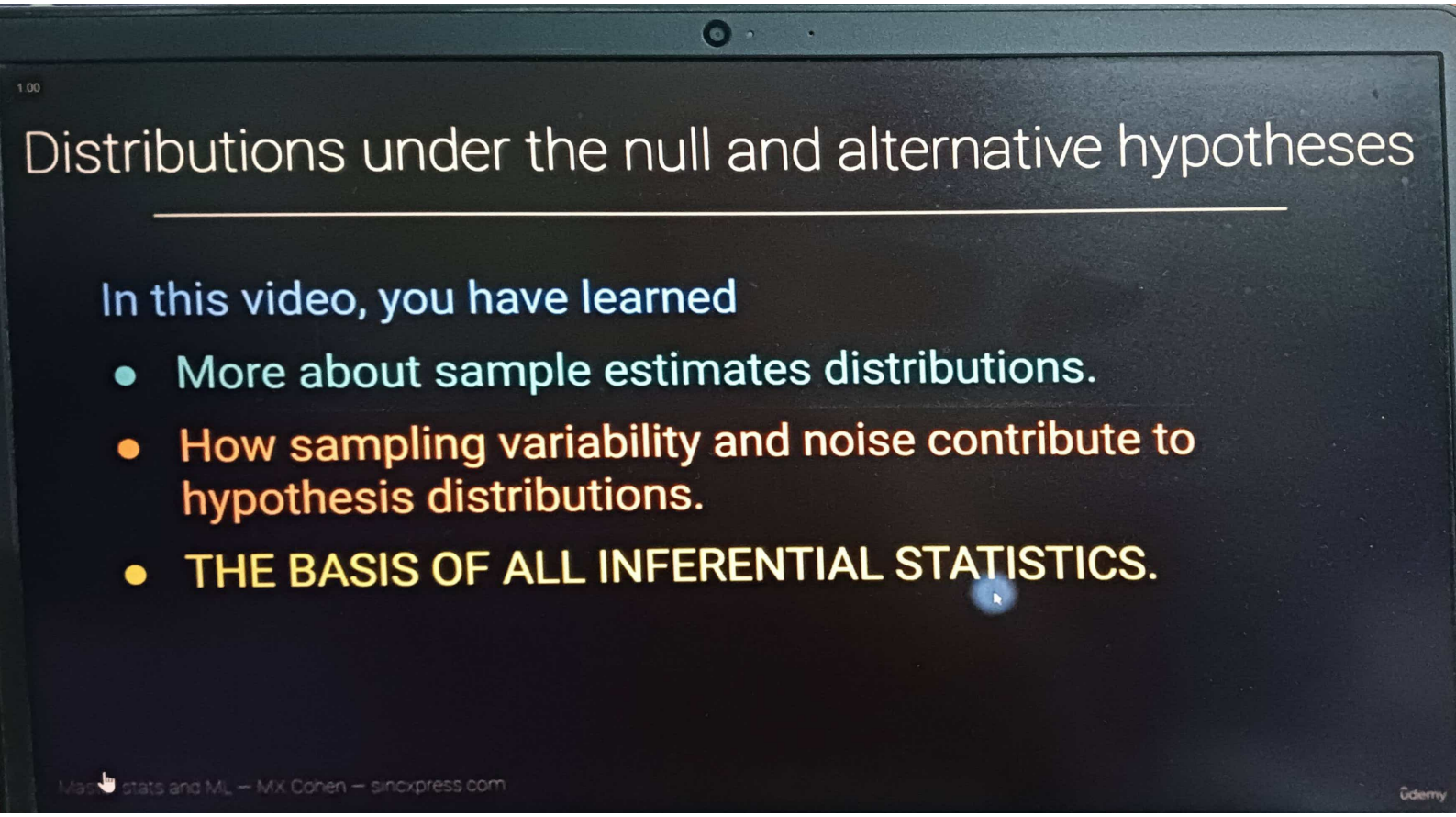


$$\frac{\text{Difference of centers}}{\text{Widths of distributions}} = \frac{\text{Signal}}{\text{Noise}}$$

The basis of ALL inferential statistics



$$\frac{\text{Difference of centers}}{\text{Widths of distributions}} = \frac{\text{Signal}}{\text{Noise}}$$


1.00
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