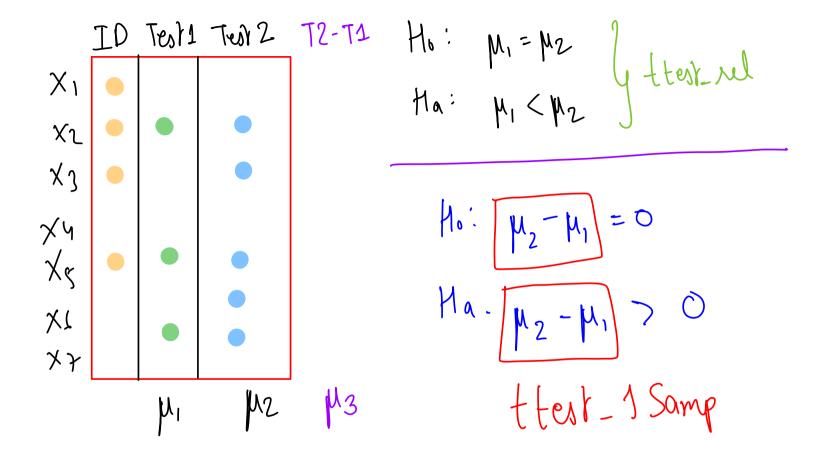
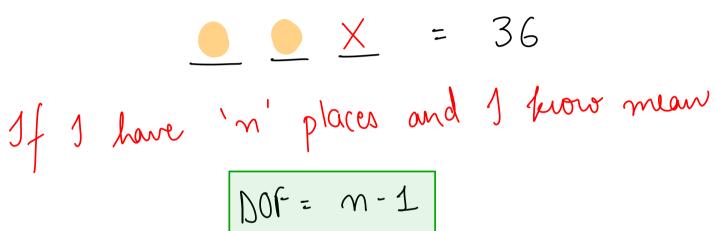
HYPOTHESIS TESTING - 4 X²-Test

Hypothesis Testing Framework

- 1) Setup the Null and Alternate Hypothesis
- 2) Choose the right test statistic
- 3) Left tailed vs Right tailed vs Two-Tailed
- 4) Compute P-value
- 5) If P- value is less than alpha, then reject the null hypothesis.



DOF - Degre of Fredom



DOF =
$$(n_1 - 1) + (n_2 - 1)$$

= $n_1 + n_2 - 2$

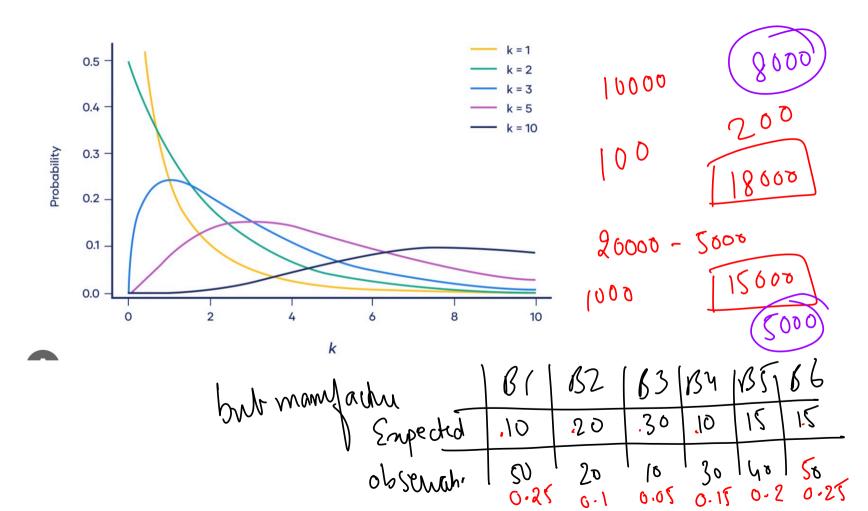
$$DOF = (M-1) \times (M-1)$$

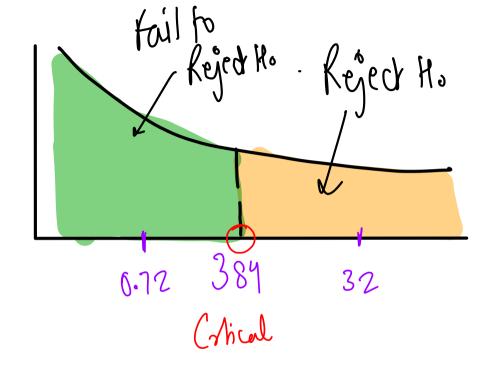
Test

Expected

Under Ho =>
X2 High / Low If Ha is true:

=> x2 High/Low fail to Réject Ho. Réject Ho X'tests are always Right foiled





Relling 1 2 3 4 5 6 RollsObservation 15 12 13 12 13 1
Entracked. 11 11 11 11 11

