

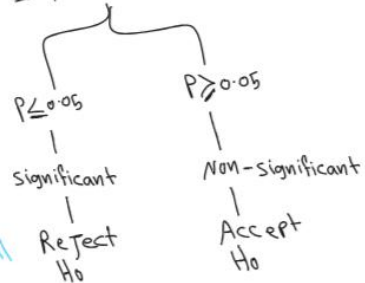
Lec 6 (part I)

Part 2 → slides

* hypothesis Testing

- Inferential stat
- Null hypothesis (H_0)
- P-value

* P-value



• Be careful!

* Error

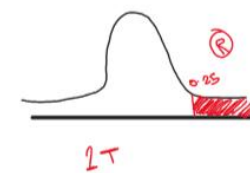
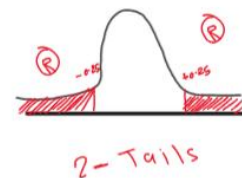
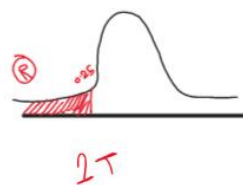
- Type 1 → True H_0 (rejection)
- Type 2 → False H_0 (Acceptance)

	True H_0	False H_0
Accept	✓	error T2 (B)
reject	error T1 (A)	✓

* Significance -level (α)

- Risk of Rejection H_0 when it's true
- (0-1)

* Tailness



* Degree of freedom (DF)

- $DF = n - 1$
- To which extent values are free to vary

Q) if sample of 30 elements
Thus DF is ?

- A) 29
- B) 31
- C) 30
- D) Non