## P-Value

1) More than 30% of closs of zors major in Firance 1 = .3 ( Uss from or equal to 30%) (H1: P7.3 (nove than 30%)

edlect dota: There one 2 ways to present the data 2

	TP   Major in Firence		Num Ser	04	students:		35
		715	Firora				
	1 2 3	415					
	3	ho					
	4	445					
	4	No.					
	1						
	35	715					

P-value is the probability that the data exists if Ho is true (3)

If p. value is 0

=) If to is true, the probability the dota exists is O.

or there is NO chara for see the data.

But The data DOES exist. You do see the data. This means Ho is Not True - The opposite of Ho is True. =) [H, is True | The organist: 1) [P-value = 0]: If Ho is true, the impossible hoppors a Ho should not be True =) Hi is True © p-value is extremely small (p < .05) Is Ho is true, then Gloss Certain Bat you will the differer data He should not be true -) Hi should be true up The data supports Hi 3 p. valle is not < 11 (p 7.05) If Ho is true, there is a good change the dute evision.

Ho may be true or no.

=) H, may be tre at 10.

=) We found no evidence to support H, OR

the data does not support your hypothesis, H1

Small p. value

- (H. 15 the hypothesis you won to test)
- 1 The date support H1
- 3 Reject Ho

Non - small (-volle

(P7.05)

Significant bull

The data dass not cupport #1

Fail to reject Ho

we reach No conclusion when p-value is not small (7.05)