P-Value

Hypothesis: More than 25% of closs rock at Bryont have sibling.

Ho: $P \ll .35$ Pata: P > .35

IO	have sitting		Number of students: 35
1	405		•
Z	405	• 2	# hove sibling: 26
>	μο		
4	NO		
:	:		
35	705 NO NO :		

P-value: we will related the p-value.

1-value is the probability / charae that the data exist if Ho is true.

1) (what noppers is p-volve is 0?

e-volve =0 means: If the is true, there is NO chance the date exist.

I. Ho is true, for do, 1 06 cere this data.

=) Ho should not be true SK you to observe the data 2/5

Ho is you type = H, is true

- - =) Ho is almost certainly not true. We say:

 1he data support your hypothesis (H,)
- (3) If p-value is not small (p-value 7.05)

 If the is true, there is a "soul" chance that you obsome the data.

The data does not support H1. There is NO conclusion reached

Small p-value

(p. value (.05)

- 1) There is evidera to support
- 1 The data support H1
 - 3 Reject H.



not small p-value (20.05) The data does not support Hz Fail to reject the