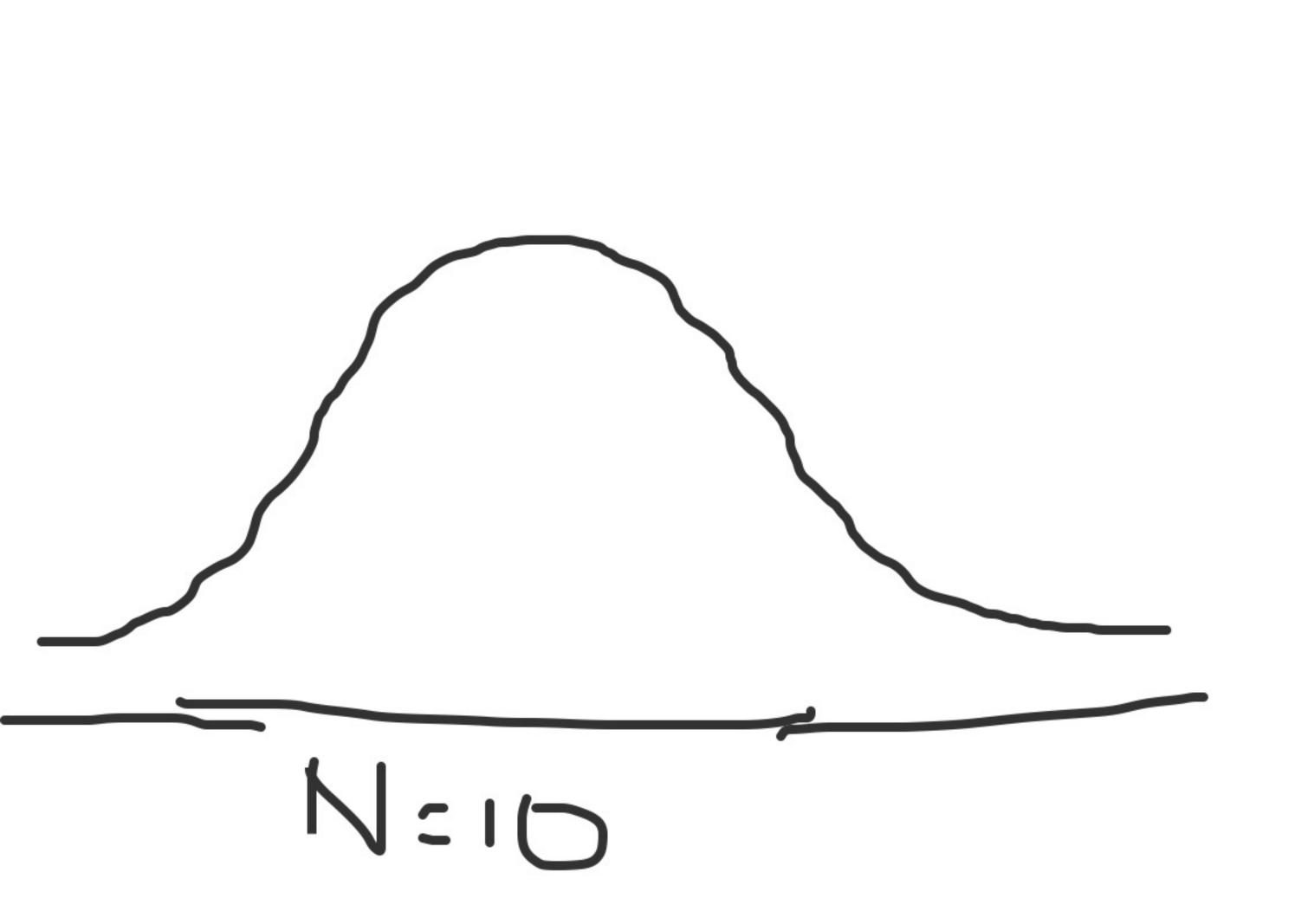


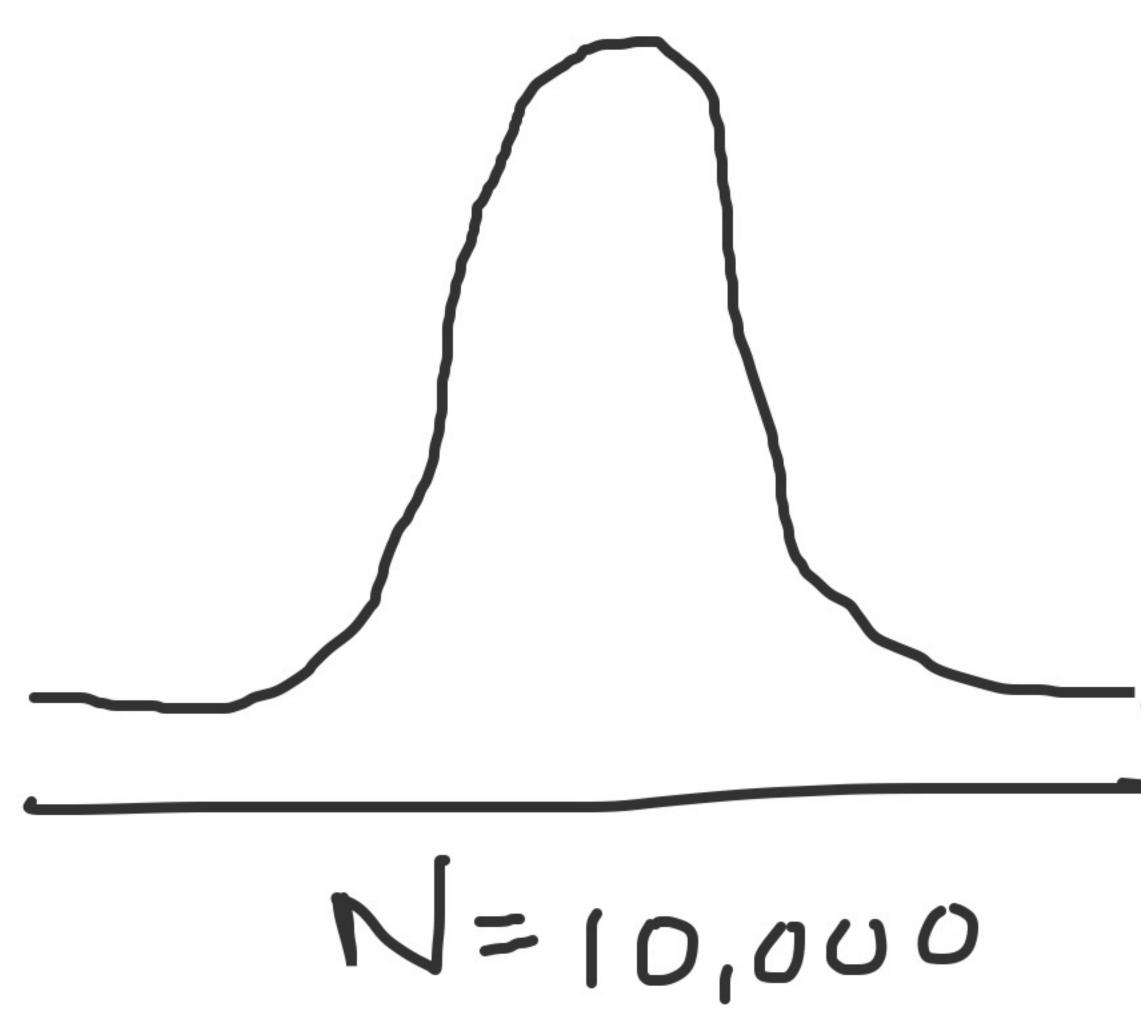
Population distribution

Sample distribution

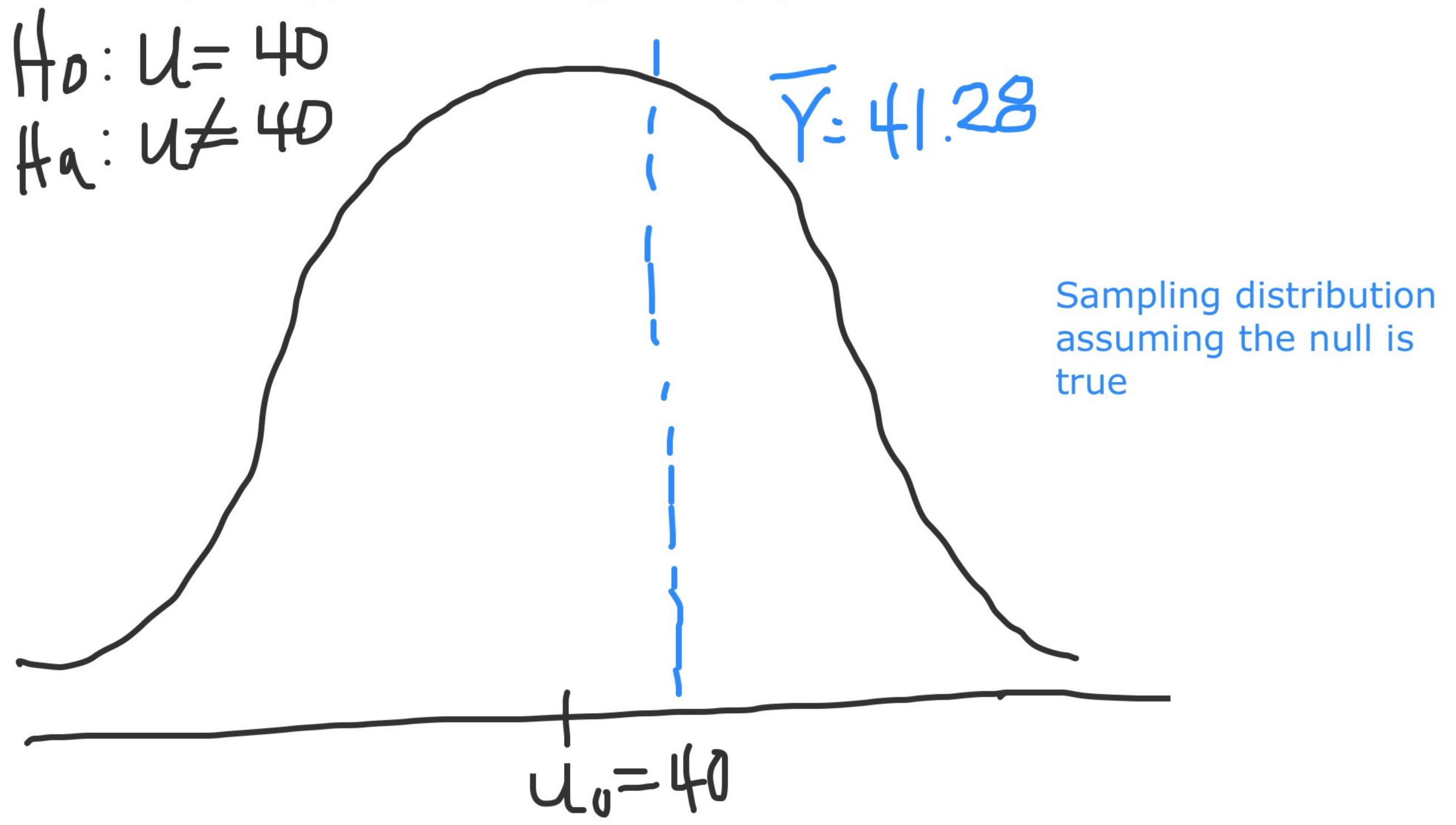
Sampling distribution

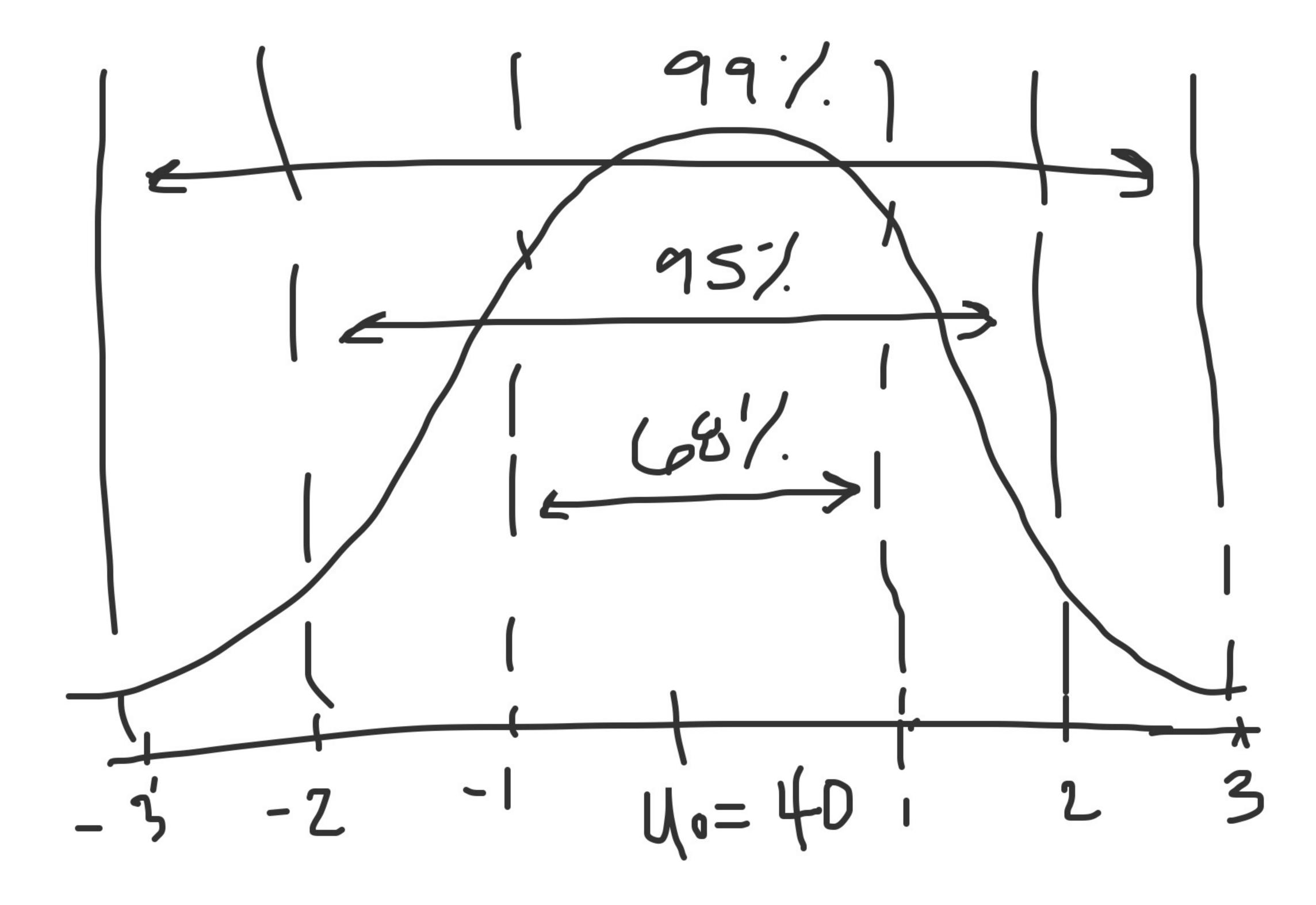
Uy= Y= mean of Sample mians

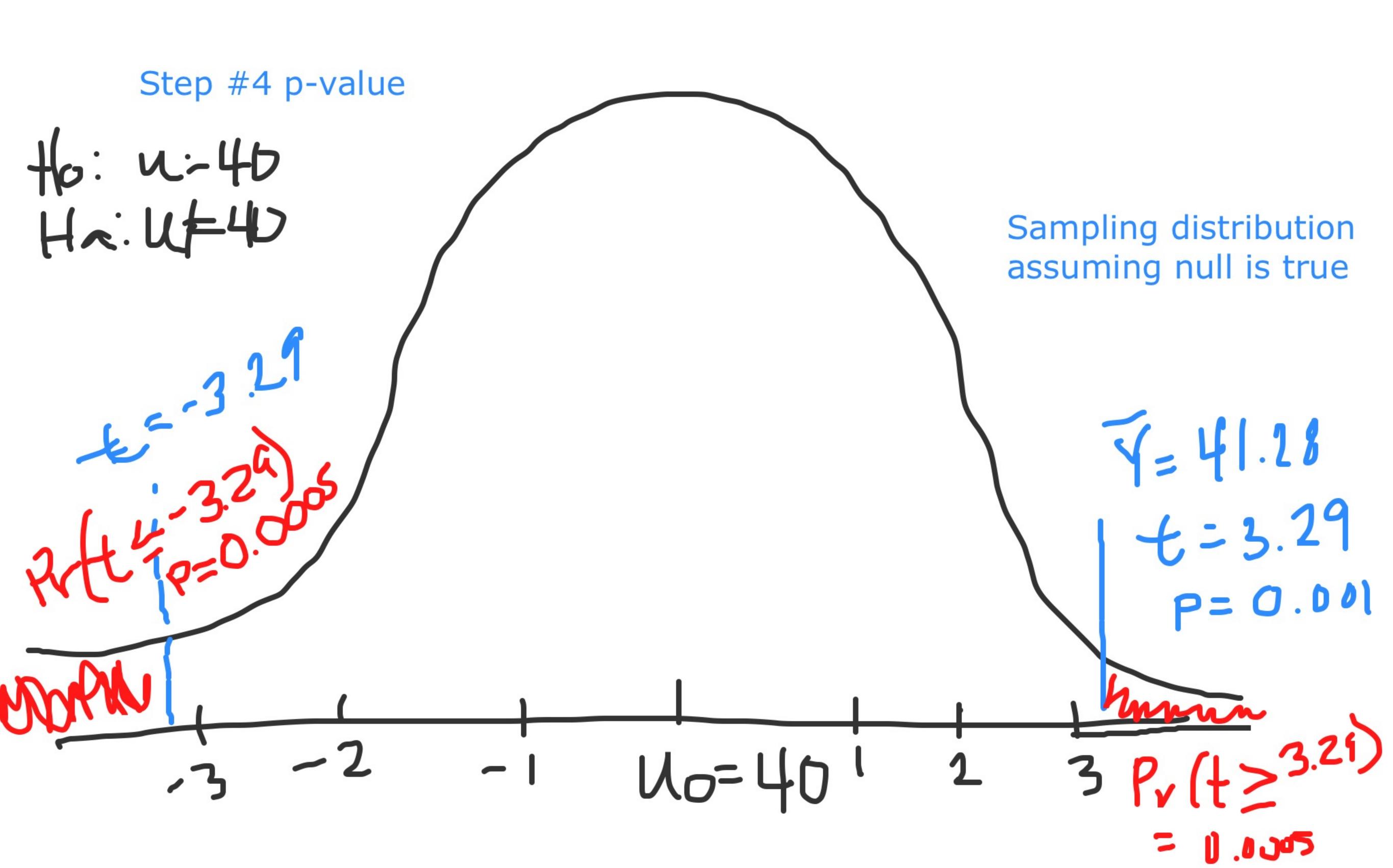




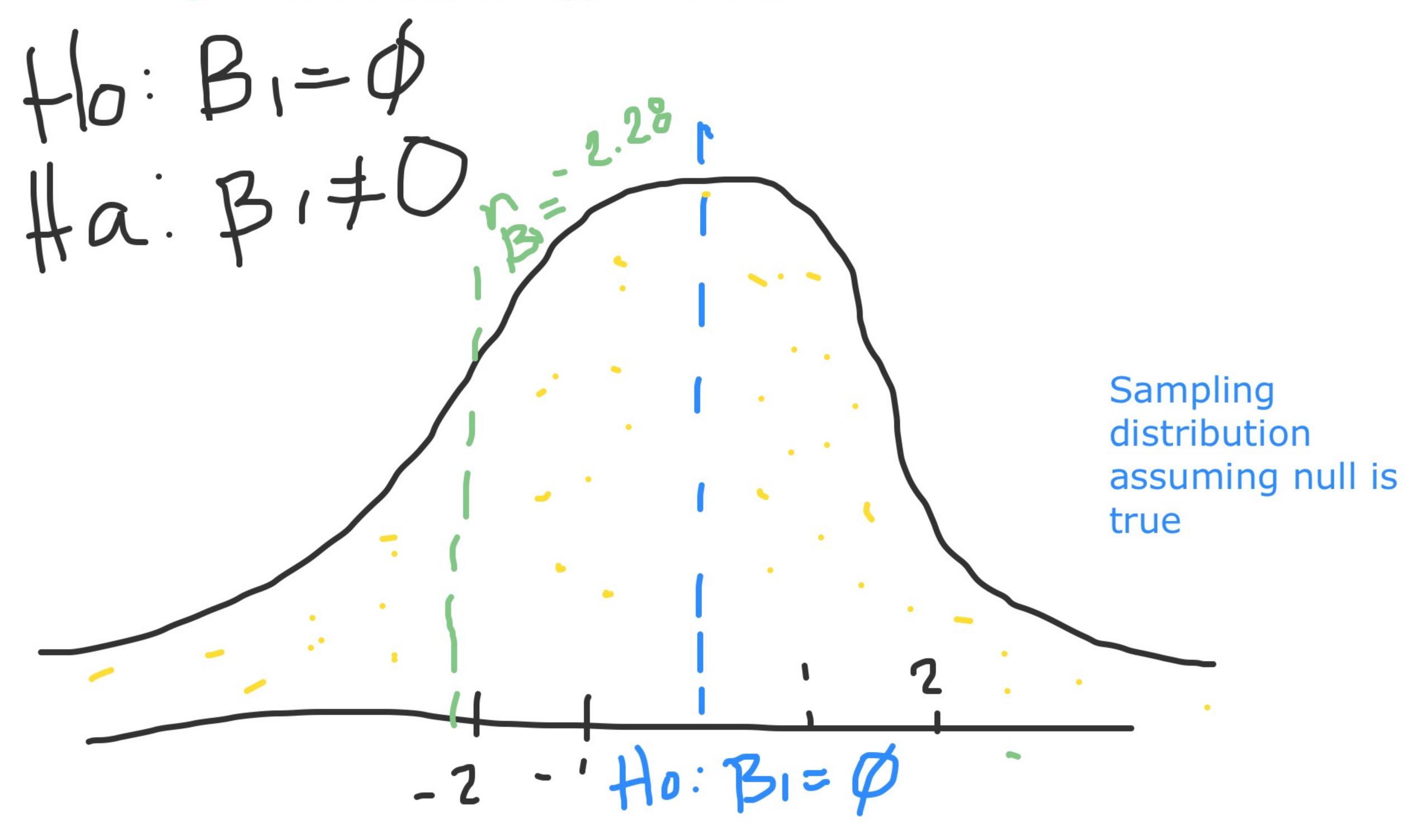
Step #2 hypothesis testing about population mean



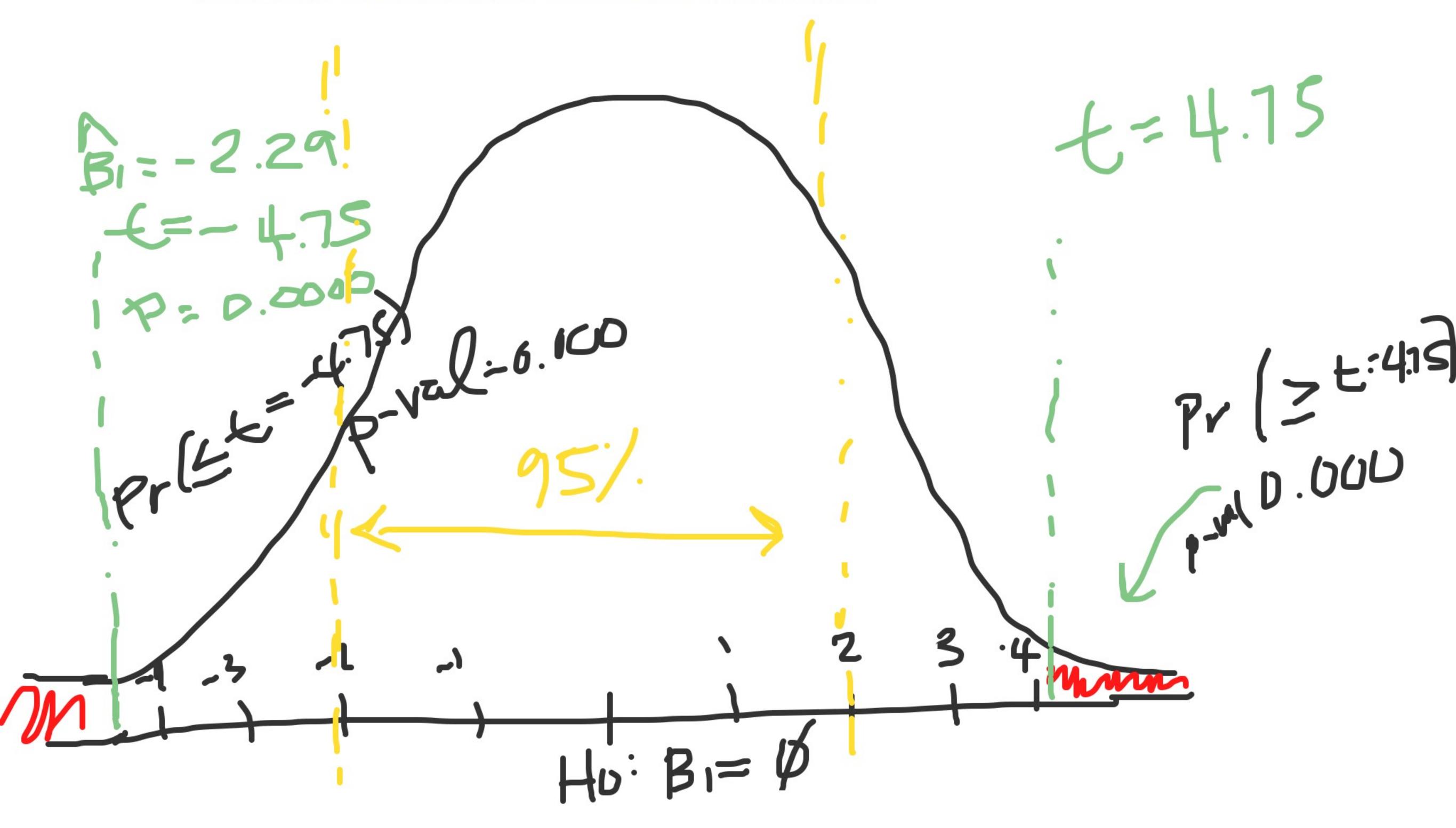




Using Beta1-hat to test hypothesis about Beta1



Convert to standard normal distribution



Student exercise

3.
$$t = B_1 - B_1$$
, $B_1 = 5.749$
 $SE(B_1) = 1.443$
 $5.749 - 0 = 3.984001$
 1.443

P-0.0006, 4=3.98 P/(t=3.18)

P-0.000061 4=3.98 3.80.60 by · P/(t=3.18)