

Regression line:

 $\hat{y} = \beta_0 + \beta_1(x) \rightarrow \text{price} = 16,200 + 134.6408 \text{(square ft)}$

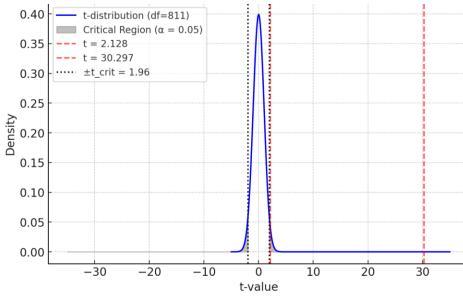
if
$$H_0 \beta = 0$$
 and $H_1 \beta \neq 0$

intercept
$$t = (\beta_0 - 0) / SE_{\beta 0}$$

 $t = (16,200 - 0) / 7611.940$
 $t = 2.128$

square ft
$$t = (\beta_1 - 0) / SE_{\beta 1}$$

 $t = (134.6408 - 0) / 4.444$
 $t = 30.297$



If **t-value** is greater than the **t critical**, **p-value** will be < 0.05