Multimedia 1

Interval for the mean response is

Yxo ± ± ½, df X (xoT(xTx5' xo) \$\frac{1}{2}^2\$

The is easy to calculate \hat{y}_{χ_0} . This burns out to be 44.60.

Use Einv function in Excel with inputs
0.05 and 26 to get t.025, 26 = 2.96.
C.L df

Now, we give you V(xoT(xTx5'xo +2 to be 1.34 and so simply plug in the number as follows

44.60± 2.06 x 1-34 2 you do the math.3

and from earlier slides

\[\frac{2}{2} = (2.31)^2 \frac{2}{2} \text{rmse}^2 \]

\[\frac{2}{3} = (3.31)^2 \frac{2}{2} \text{rmse}^2 \]

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