

Congratulations! You passed!

TO PASS 80% or higher

Keep Learning

GRADE
100%

Question 2.09

TOTAL POINTS 1

1. You just used PROC REG to regress y on X_1 and found the parameter estimates table below. Given this information, what is the best guess (predicted value) of y when $X_1 = 13$? 1 / 1 point

Parameter Estimates				
Variable	DF	Parameter Estimate	Standard Error	t Value
Intercept	1	5	1.0	5
X_1	1	10	2.5	4

- ☐ 5
- ☒ 135
- ☐ 115
- ☐ 0
- ☐ not enough information

✓ Correct

The best guess of y when $X_1 = 13$ is the intercept plus the slope times X_1 :

$$\hat{Y} = \hat{\beta}_0 + \hat{\beta}X_1$$
$$135 = 5 + 10(13)$$