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QUICK QUESTION 3   (2/2 points)

If a baseball team's OBP is 0.311 and SLG is 0.405, how many runs do we expect the team to score?

Using the linear regression model constructed during the lecture, enter the number of runs we expect the team to score:

688.705

688.705

Answer: 689

EXPLANATION

Our linear regression model was:

Runs Scored = -804.63 + 2737.77*(OBP) + 1584.91*(SLG)

Here, OBP is 0.311 and SLG is 0.405, so our prediction is:

Runs Scored = -804.63 + 2737.77*0.311 + 1584.91*0.405 = 689 runs

If a baseball team's opponents OBP (OOBP) is 0.297 and oppenents SLG (OSLG) is 0.370, how many runs do we expect the team to allow?

Using the linear regression model constructed during the lecture, enter the number of runs we expect the team to allow:

588.2465

588.2465

Answer: 588

EXPLANATION

Our linear regression model was:

Runs Allowed = -837.38 + 2913.60*(OOBP) + 1514.29*(OSLG)

Here, OOBP is 0.297 and OSLG is 0.370, so our prediction is:

Runs Scored = -837.38 + 2913.60*(.297) + 1514.29*(.370) = 588 runs

Check   Save   Hide Answer   *You have used 1 of 4 submissions*

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