

PREDICTING FINAL CRICKET SCORES USING LINEAR REGRESSION



PROBLEM STATEMENT



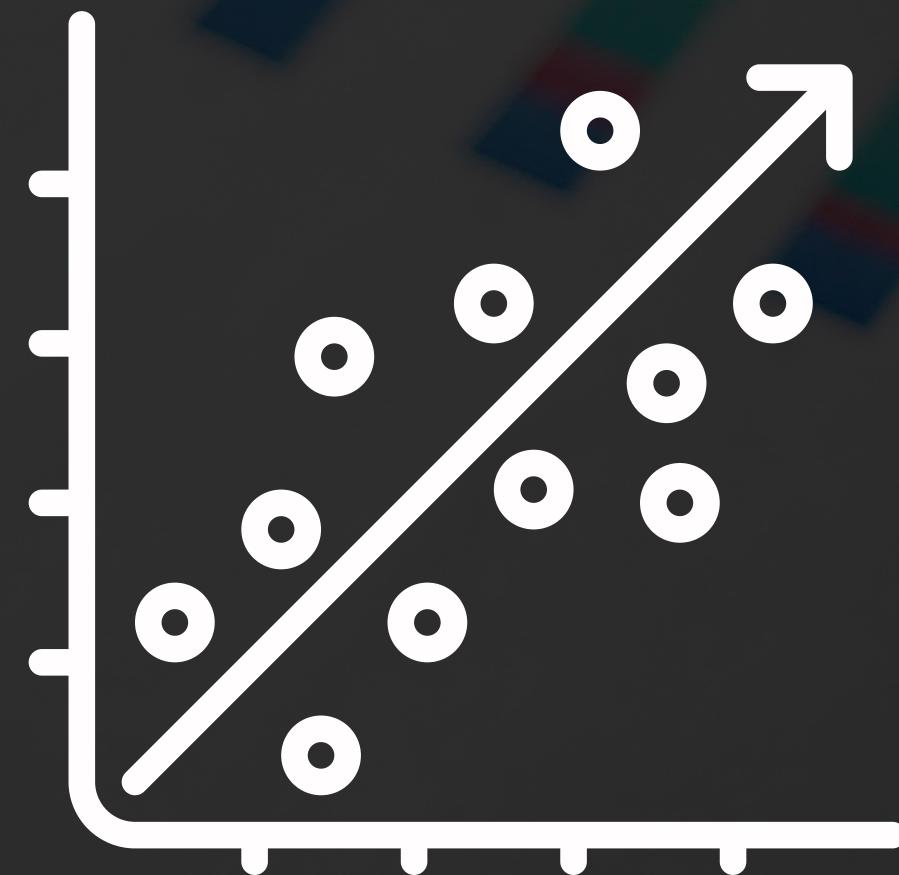
IN CRICKET, PREDICTING THE FINAL SCORE MID-INNINGS IS IMPORTANT FOR STRATEGY.



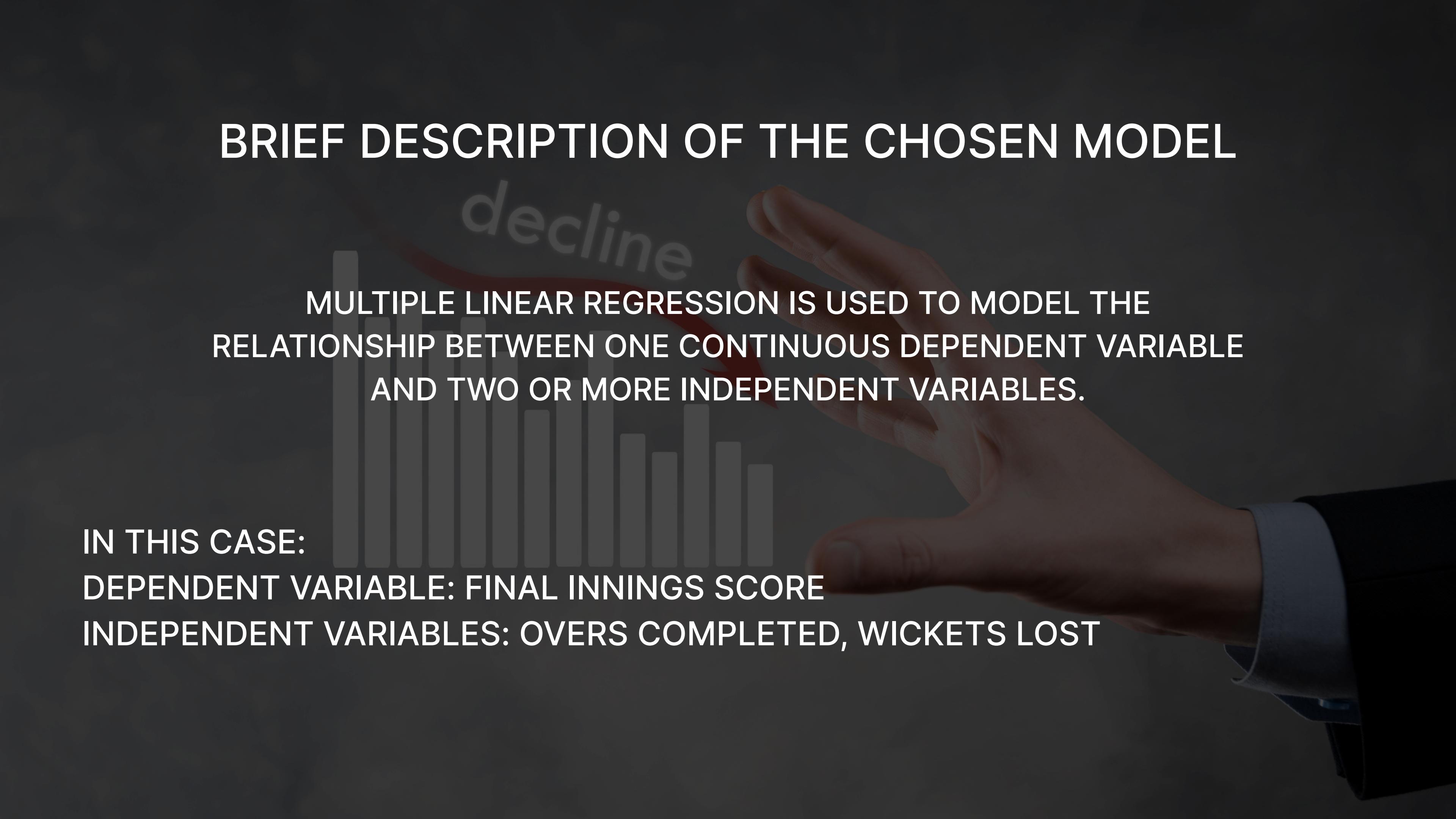
THE GOAL IS TO ESTIMATE TOTAL RUNS BASED ON:
OVERS COMPLETED
WICKETS LOST

TYPE OF PROBLEM & STATISTICAL MODEL TO BE USED

TYPE OF PROBLEM: REGRESSION
STATISTICAL MODEL: MULTIPLE
LINEAR REGRESSION



BRIEF DESCRIPTION OF THE CHOSEN MODEL

A dark background featuring a faint watermark of a hand pointing at a bar chart with the word "decline" written above it.

MULTIPLE LINEAR REGRESSION IS USED TO MODEL THE RELATIONSHIP BETWEEN ONE CONTINUOUS DEPENDENT VARIABLE AND TWO OR MORE INDEPENDENT VARIABLES.

IN THIS CASE:

DEPENDENT VARIABLE: FINAL INNINGS SCORE

INDEPENDENT VARIABLES: OVERS COMPLETED, WICKETS LOST