

Report

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For: *Sparks Foundation Grip Internship*

TASK – II

Introduction

Our Aim in this Task is to Predict The Score of a Student based on number of hours he studied.

Predict marks if a Student Studies for 9.25 hours.

Data

Link : <http://bit.ly/w-data>

This Data Contained two column – hour and score .

Method Used

Here After Analysing , we found that hour and score vary linearly .So i used Linear Regression model to fit it .

Equation is of Form, $\text{prediction} = \text{slope} * \text{time} + \text{intercept}$.

Analysis Section

After Analysing we found equation to be :

$\text{prediction} = 9.91065648 * \text{time} + 2.018160041434662$

Results

For time = 9.25 , we predict that student will get score close to 93.69173249 .

Conclusion

So finally we concluded that in this case our prediction vary linearly , and for time=9.25 , as per our model , we predict to get a score of around 93 (in decimals) .

Appendix