

Student GPA Prediction for Alpha College of Engineering Students

Based on past 10 year's student data of Alpha College of Engineering, we are able to derive a predict model with the linear regression to predict the student GPA with the following data elements:

SATMATH: SAT Math score (300-800)

SATBERT: SAT Verb score (300-800)

HSPCT: High school ranks percentile (1 – 99: Higher the better)

Gender: 1 (Male) 0 (Female)

Predicted Model for GPA:

$$\text{GPA} = 1.6228315 + (0.0007011 * \text{satmath}) + (0.0000109 * \text{satverb}) + (1.0525877 * \text{hspct}) + (0.0898917 * \text{gender})$$