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Student Performance ML Prediction API

1.0.0 OAS3

This API can be used to predict whether or not a student described by a set of input features is a high quality student (by CMU admissions criteria) with high probability.

Uses a backend cached pretrained ML model trained on a set of student data.

Servers

<https://127.0.0.5>

predict Used to predict student quality

GET **/predict** Returns prediction of student quality

Returns a boolean of whether or not the student is likely to be considered high quality.

Parameters

[Try it out](#)**Name****Description****studytime** * required

score representing how much time a student studys

integer(\$int32)

(query)

Name	Description
absences * required integer(\$int32) (query)	integer representing how many absences a student has each year <div>absences</div>
G1 * required string(\$byte) (query)	score representing student performance from their first year as a string value between "0" and "20" <div>G1</div>
G2 * required string(\$byte) (query)	score representing student performance from their second year as a string value between "0" and "20" <div>G2</div>

Responses

Code	Description	Links
200	Success Media type <div>application/json</div> <small>Controls Accept header.</small> <div>Example Value Schema</div> <div>{ "high_quality": true }</div>	No links
400	Malformed request	No links
422	Query values do not satisfy accepted data ranges	No links

Schemas





```
Predict  {  
  high_quality  boolean  
                example: true  
}
```