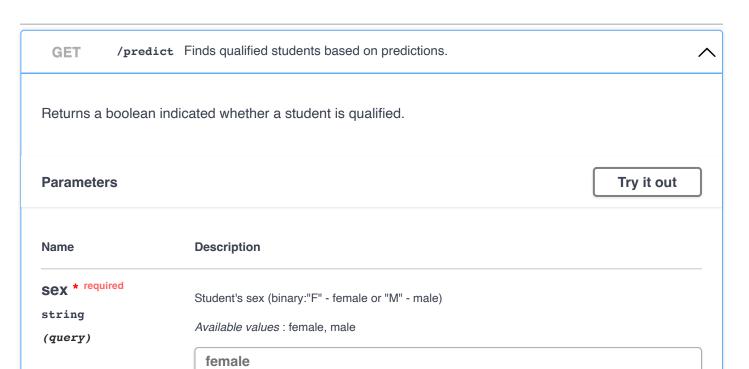{··}

CMU Student Prediction 1.0.0   OAS3

This is a prediction server for predicting students on whether they are qualified candidates for CMU graduate schools.

[Apache 2.0](#)

Servers

http://localhost/ - Local host environment

predict   Predicts graduate students for whether they're qualified to be admitted into CMU based on several attributes.   ∧

GET   **/predict**   Finds qualified students based on predictions.   ∧

Returns a boolean indicated whether a student is qualified.

Parameters   [Try it out]

Name	Description
sex * required **string** **(query)**	Student's sex (binary:"F" - female or "M" - male) *Available values* : female, male [female]

Name	Description

age *** required**
integer
(query)

Student's age (numeric:from 15 to 22)

> age

address *** required**
string
(query)

Student's home address (binary:"U" - urban or "R" - rural)

Available values : urban, rural

> **urban**

famsize *** required**
string
(query)

Family size (binary:"LE3" - less or equal to 3 or "GT3" - greater than 3)

Available values : less or equal to 3, greater than 3

> **less or equal to 3**

Pstatus *** required**
string
(query)

Parent's cohabitation status (binary:"T" - living together or "A" - apart)

Available values : living together, apart

> **living together**

Medu *** required**
integer
(query)

Mother's education (numeric:0 - none, 1 - primary education (4th grade), 2 – 5th to 9th grade, 3 – secondary education or 4 – higher education)

Available values : none, primary education (4th grade), 5th to 9th grade, secondary education, higher education

> **none**

Fedu *** required**
integer
(query)

Father's education (numeric:0 - none, 1 - primary education (4th grade), 2 – 5th to 9th grade, 3 – secondary education or 4 – higher education)

Available values : none, primary education (4th grade), 5th to 9th grade, secondary education, higher education

> **none**

Mjob *** required**
string
(query)

Mother's job (nominal:"teacher", "health" care related, civil "services" (e.g. administrative or police), "at_home" or "other")

Available values : teacher, health care related, civil services (e.g. administrative or police), at home, other

> **teacher**

Name	Description

Fjob * required
string
(query)

Father's job (nominal:"teacher", "health" care related, civil "services" (e.g. administrative or police), "at_home" or "other")

Available values : teacher, health care related, civil services (e.g. administrative or police), at home, other

> **teacher**

reason * required
string
(query)

Reason to choose this school (nominal:close to "home", school "reputation", "course" preference or "other")

Available values : close to home, school reputation, course preference, other

> **close to home**

guardian * required
string
(query)

Student's guardian (nominal:"mother", "father" or "other")

Available values : mother, father, other

> **mother**

traveltime * required
integer
(query)

Home to school travel time (numeric:1 - <15 min., 2 - 15 to 30 min., 3 - 30 min. to 1 hour, or 4 - >1 hour)

Available values : <15 min., 15 to 30 min., 30min. to 1 hour, >1 hour

> **<15 min.**

studytime * required
integer
(query)

Weekly study time (numeric:1 - <2 hours, 2 - 2 to 5 hours, 3 - 5 to 10 hours, or 4 - >10 hours)

Available values : <2 hours, 2 to 5 hours, 5 to 10 hours, >10 hours

> **<2 hours**

failures * required
integer
(query)

Number of past class failures (numeric:n if 1<=n<3, else 4)

Available values : n, 4

> **n**

schoolsup * required
boolean
(query)

Extra educational support (binary:true or false)

> --

famsup * required
boolean
(query)

Family educational support (binary:true or false)

> --

Name	Description

paid * required
boolean
(query)

Extra paid classes within the course subject (binary:true or false)

> --

activities * required
boolean
(query)

Extra-curricular activities (binary:true or false)

> --

nursery * required
boolean
(query)

Attended nursery school (binary:true or false)

> --

higher * required
boolean
(query)

Wants to take higher education (binary:true or false)

> --

internet * required
boolean
(query)

Internet access at home (binary:true or false)

> --

romantic * required
boolean
(query)

With a romantic relationship (binary:true or false)

> --

famrel * required
integer
(query)

Quality of family relationships (numeric:from 1 - very bad to 5 - excellent)

> famrel

freetime * required
integer
(query)

Free time after school (numeric:from 1 - very low to 5 - very high)

> freetime

goout * required
integer
(query)

Going out with friends (numeric:from 1 - very low to 5 - very high)

> goout

Dalc * required
integer
(query)

Workday alcohol consumption (numeric:from 1 - very low to 5 - very high)

> Dalc

Name	Description

Walc * required

`integer`

`(query)`

Weekend alcohol consumption (numeric:from 1 - very low to 5 - very high)

> Walc

health * required

`integer`

`(query)`

Current health status (numeric:from 1 - very bad to 5 - very good)

> health

absences * required

`integer`

`(query)`

Number of school absences (numeric:from 0 to 93)

> absences

Responses

Code	Description	Links
200	successful operation	*No links*

Media type

application/json

Controls `Accept` header.

Example Value   Schema

```
{
  "isQualified": true
}
```

| 400 | Invalid input value | *No links* |

Media type

application/json

Schemas

Example Value   Schema

∧

↵

SuccessApiResponse

ErrorApiResponse   ↵