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                                             Server ▾   Client ▾   new
                                                                                        Editor ↗

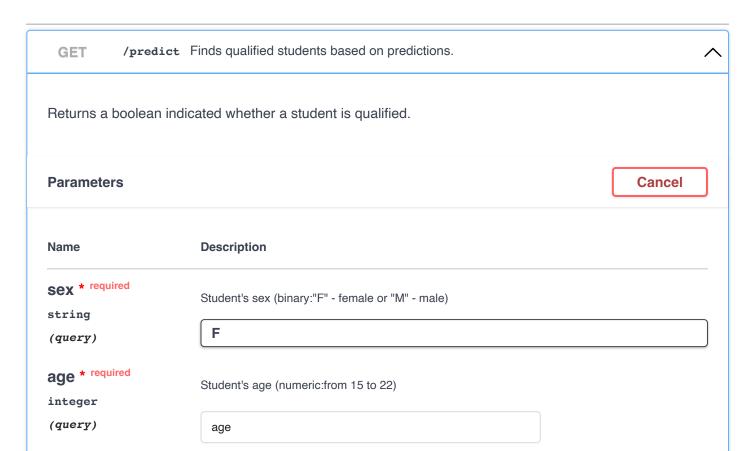# CMU Student Prediction   1.0.0   OAS3

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   **Cancel**

Name	Description
sex * required **string** **(query)**	Student's sex (binary:"F" - female or "M" - male) F
age * required **integer** **(query)**	Student's age (numeric:from 15 to 22) age

Name	Description

address * required
string
(query)

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

U

famsize * required
string
(query)

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

LE3

Pstatus * required
string
(query)

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

T

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)

Medu

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)

Fedu

Mjob * required
string
(query)

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

teacher

Fjob * required
string
(query)

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

teacher

reason * required
string
(query)

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

home

guardian * required
string
(query)

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

mother

Name	Description

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)

> traveltime

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)

> studytime

failures * required
`integer`
(query)

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

> failures

schoolsup * required
`boolean`
(query)

Extra educational support (binary:true or false)

> --

famsup * required
`boolean`
(query)

Family educational support (binary:true or false)

> --

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)

> --

Name	Description

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
```

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
```

Execute

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

Example Value   Schema

```
{
    "error": "string"
}
```

Schemas ∧

SuccessApiResponse ↵

ErrorApiResponse ↵