

## REQUEST: Predict

### Escenario 1: Coherente

POST

http://127.0.0.1:8000/predict

Params

Authorization

Headers (9)

Body

Pre-request Script

Tests

Settings

none

form-data

x-www-form-urlencoded

raw

binary

GraphQL

JSON

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

{"adult\_mortality": "263",

"infant\_deaths": "62",

"alcohol": "0.01",

"percentage\_expenditure": "71.27962362",

"hepatitis\_B": "65",

"measles": "1154",

"bmi": "19.1",

"under\_five\_deaths": "83",

"polio": "6",

"total\_expenditure": "8.16",

"diphtheria": "65",

"hiv\_aids": "0.1",

"gdp": "584.25921",

"population": "33736494",

Body

Cookies

Headers (4)

Test Results

Pretty

Raw

Preview

Visualize

JSON

1

2

3

[

63.46848640649722

]

Caso promedio

## Escenario 2: Incoherente

POST ▼ http://127.0.0.1:8000/predict

Params Authorization Headers (9) **Body** ● Pre-request Script Tests Settings

☐ none ☐ form-data ☐ x-www-form-urlencoded ☒ raw ☐ binary ☐ GraphQL **JSON** ▼

```
1 {
2   ... "adult_mortality": 446,
3   ... "infant_deaths": 99,
4   ... "alcohol": 10.09,
5   ... "percentage_expenditure": 44.52614001,
6   ... "hepatitis_B": 64,
7   ... "measles": 22,
8   ... "bmi": 100,
9   ... "under_five_deaths": 155,
10  ... "polio": 59,
11  ... "total_expenditure": 9.36,
12  ... "diphtheria": 64,
13  ... "hiv_aids": 8.7,
14  ... "gdp": 315.788227,
15  ... "population": 2854394,
```

Body Cookies Headers (4) Test Results

Pretty Raw Preview Visualize **JSON** ▼

```
1 [
2   72.28813593656022
3 ]
```

Cuando se cambia el BMI a un valor alto irreal el modelo arroja un life expectancy alto. Esto representa un error, posiblemente no se manejaron bien los máximos y mínimos de la variable a la hora de hacer el entrenamiento. Un BMI tan elevado debe bajar la expectativa de vida.

### Escenario 3 (Coherente)

The screenshot displays a REST client interface. At the top, a POST request is configured to the URL `http://127.0.0.1:8000/predict`. The 'Body' tab is selected, showing a JSON payload with various health and economic indicators. Below the request, the 'Body' tab of the response is shown, displaying a single numerical value.

**Request Body:**

```
{
  "hepatitis_B": 64,
  "measles": 22,
  "bmi": 0,
  "under_five_deaths": 155,
  "polio": 59,
  "total_expenditure": 9.36,
  "diphtheria": 0,
  "hiv_aids": 8.7,
  "gdp": 315.788227,
  "population": 2854394,
  "thinness_10_19_years": 6.5,
  "thinness_5_9_years": 6.5,
  "income_composition_of_resources": 0,
  "schooling": 0
}
```

**Response Body:**

```
[
  45.885546041709304
]
```

Para este escenario se redujo el valor para diphtheria, schooling, income composition of resources y bmi a valores anormales con el fin de verificar el comportamiento del modelo. El modelo responde de forma valida al arrojar una predicción de life expectancy baja, de 45.88.

## REQUEST: Rsquared

### Escenario 4 (Coherente)

POST

▼

http://127.0.0.1:8000/rSquared

Params

Authorization

Headers (9)

Body ●

Pre-request Script

Tests

Settings

☐ none

☐ form-data

☐ x-www-form-urlencoded

☒ raw

☐ binary

☐ GraphQL

JSON ▼

```
1 {
2   {
3     "life_expectancy": "63",
4     "adult_mortality": "263",
5     "infant_deaths": "62",
6     "alcohol": "0.01",
7     "percentage_expenditure": "71.27962362",
8     "hepatitis_B": "65",
9     "measles": "1154",
10    "bmi": "19.1",
11    "under_five_deaths": "83",
12    "polio": "6",
13    "total_expenditure": "8.16",
14    "diphtheria": "65",
15    "hiv_aids": "0.1",
```

Body

Cookies

Headers (4)

Test Results

Pretty

Raw

Preview

Visualize

JSON ▼

```
1  "'R^2: 0.86"
```

Caso promedio.

## Escenario 5 (Coherente)

The screenshot displays a REST client interface with the following components:

- Method and URL:** POST `http://127.0.0.1:8000/rSquared`
- Body Tab:** Selected, showing a JSON array with 15 elements. The 10th element, `"bmi": "42"`, is highlighted.
- Body Content:**

```
1 [
2   {
3     "life_expectancy": "63",
4     "adult_mortality": "263",
5     "infant_deaths": "62",
6     "alcohol": "0.01",
7     "percentage_expenditure": "71.27962362",
8     "hepatitis_B": "65",
9     "measles": "1154",
10    "bmi": "42",
11    "under_five_deaths": "83",
12    "polio": "6",
13    "total_expenditure": "8.16",
14    "diphtheria": "65",
15    "hiv_aids": "0.1",
```
- Response Tab:** Selected, showing the response body in JSON format: `{ "R^2": 0.77 }`.

En este escenario se considera un BMI de 42, buscando representar un valor anormal. El modelo arroja un  $R^2$  de 0.77.

## Escenario 6 (Coherente)


POST ▼ http://127.0.0.1:8000/rSquared

Params Authorization Headers (9) **Body** ● Pre-request Script Tests Settings

☐ none ☐ form-data ☐ x-www-form-urlencoded ☒ raw ☐ binary ☐ GraphQL **JSON** ▼

```
1  [  
2  {  
3    "life_expectancy": "57",  
4    "adult_mortality": "263",  
5    "infant_deaths": "62",  
6    "alcohol": "0.01",  
7    "percentage_expenditure": "71.27962362",  
8    "hepatitis_B": "65",  
9    "measles": "1154",  
10   "bmi": "23",  
11   "under_five_deaths": "83",  
12   "polio": "6",  
13   "total_expenditure": "8.16",  
14   "diphtheria": "65",  
15   "hiv_aids": "0.1",
```

Body Cookies Headers (4) Test Results

Pretty Raw Preview Visualize JSON ▼ 

```
1  "'R^2: 0.61"
```

Caso con life expectancy bajo. Coherente.