

Dynamic Pricing API

0.1.0 OAS 3.1

/openapi.json

default

GET /health Health

POST /predict-demand Predict Demand

POST /optimize-price Optimize Price

Parameters

No parameters

Request body **required**

application/json

Edit Value | Schema

```
{ "item":7, "store":1, "price":76.55, "competitor_price":66.29, "inventory":44, "dayofweek":1, "month":10, "lag_1":60.0, "lag_7":45.0, "ma_7":47.285714285714285, "cost_price":52.21 }
```

Execute Clear

Responses

Curl

```
curl -X 'POST' \
  'http://127.0.0.1:8000/optimize-price' \
  -H 'accept: application/json' \
  -H 'Content-Type: application/json' \
  -d '{
    "item":7,
    "store":1,
    "price":76.55,
    "competitor_price":66.29,
    "inventory":44,
    "dayofweek":1,
    "month":10,
    "lag_1":60.0,
    "lag_7":45.0,
    "ma_7":47.285714285714285,
    "cost_price":52.21
}'
```

Request URL

```
http://127.0.0.1:8000/optimize-price
```

Server response

Code Details

200 Response body

```
[ { "optimal_price": 69.64, "max_profit": 870.58, "search_range": [ 57.43, 71.79 ] } ]
```

Download

Response headers

```
content-length: 72
content-type: application/json
date: Sat,03 Jan 2026 05:26:37 GMT
server: unicorn
```

Responses

Code Description Links

200 Successful Response No links

Media type

application/json

Controls Accept header.

Example Value | Schema

```
"string"
```

422 Validation Error No links

Media type

application/json

Example Value | Schema

```
{ "detail": [ { "msg": "Validation error" } ] }
```

```
        "loc": [
          "string",
          0
        ],
        "msg": "string",
        "type": "string"
      }
    ]
}
```

Schemas

HTTPValidationError ^ Collapse all **object**
| **detail** > Expand all **array<object>**

ValidationError ^ Collapse all **object**
| **loc*** > Expand all **array<(string | integer)>**
msg* **string**
type* **string**