

default

GET/healthHealth

POST/predict-demandPredict Demand

POST/optimize-priceOptimize 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

CodeDetails

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, 05 Jan 2026 05:26:37 GMT  server: uvicorn
```

Responses

Code	Description	Links
200	Successful Response <div><div>Media type<div>application/json</div></div><div>Controls Accept header.</div><div><div>Example Value Schema</div><div><pre>"string"</pre></div></div></div>	No links
422	Validation Error <div><div>Media type<div>application/json</div></div><div><div>Example Value Schema</div><div><pre>{ "detail": [{</pre></div></div></div>	No links

```
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