





RetailSense AI 1.0.0 OAS 3.1

/openapi.json

RetailSense AI - API para Análise Inteligente de Dados de Varejo

Funcionalidades

- *  ****Analytics****: Métricas e análises detalhadas de vendas
- *  ****Clientes****: Segmentação e análise de comportamento
- *  ****Produtos****: Análise de desempenho e tendências
- *  ****Insights****: Recomendações automáticas baseadas em dados

Autenticação

Esta API utiliza autenticação via token. Inclua o token no header:

```

Authorization: Bearer {seu\_token}

```

Ambientes

- * Desenvolvimento: http://localhost:8000
- * Produção: {url_producao}

Suporte

Para suporte, contate: suporte@retailsense.ai

analytics Endpoints para análise de dados e métricas



GET

/api/v1/analytics/sales

Get Sales Analysis

Retorna métricas de vendas para o período especificado

Parameters

Cancel

Name	Description
start_date * required	Data inicial da análise
string(\$date) (query)	<div>2011-01-01</div>

Name	Description
end_date * required string(\$date) (query)	Data final da análise
	<div>2011-12-01</div>
<div><div>Execute</div><div>Clear</div></div>	

Responses

Curl

```
curl -X 'GET' \
  'http://localhost:8000/api/v1/analytics/sales?start_date=2011-01-01&end_date=2011-12-01' \
  -H 'accept: application/json'
```

Request URL

http://localhost:8000/api/v1/analytics/sales?start_date=2011-01-01&end_date=2011-12-01

Server response

Code	Details
200	<div><div>Response body</div><div><pre>{ "total_sales": 547971.47, "average_ticket": 11.835236933045357, "total_customers": 3501, "total_transactions": 11643, "period_start": "2011-01-04T10:00:00", "period_end": "2011-12-01T19:54:00" }</pre></div><div>Download</div></div> <div><div>Response headers</div><div><pre>content-length: 183 content-type: application/json date: Thu,14 Nov 2024 01:31:05 GMT server: uvicorn</pre></div></div>

Responses

Code	Description	Links
200	Successful Response	No links
	<div>Media type</div> <div><div>application/json</div></div> <div>Controls Accept header.</div> <div><div>Example Value</div><div>Schema</div></div>	

Code	Description	Links
	<pre>{ "total_sales": 0, "average_ticket": 0, "total_customers": 0, "total_transactions": 0, "period_start": "2024-11-14T01:32:15.326Z", "period_end": "2024-11-14T01:32:15.326Z" }</pre>	
422	Validation Error	No links
	Media type <div>application/json</div>	
	Example Value Schema	
	<pre>{ "detail": [{ "loc": ["string", 0], "msg": "string", "type": "string" }] }</pre>	

GET

/api/v1/analytics/sales/temporal

Get Sales Temporal

Retorna análise temporal de vendas com médias móveis e tendências

Parameters

Cancel

Name	Description
start_date * required string(\$date) (query)	Data inicial da análise <div>2011-01-01</div>
end_date * required string(\$date) (query)	Data final da análise <div>2011-02-01</div>
window integer (query)	Janela para média móvel (dias) <div>7</div>

Execute

Clear

Responses

Curl

```
curl -X 'GET' \  
  'http://localhost:8000/api/v1/analytics/sales/temporal?start_date=2011-01-01&end_date=2011-02-01&window=7'  
  -H 'accept: application/json'
```

Request URL

```
http://localhost:8000/api/v1/analytics/sales/temporal?start_date=2011-01-01&end_date=2011-02-01&window=7
```

Server response

Code	Details
200	<div><div>Response body</div><div><pre>{ "total_sales": 11145.85, "transactions": 36, "unique_customers": 27, "moving_avg_sales": 13720.02, "trend": "down", "growth_rate": -47.47 }, { "date": "2011-01-19", "total_sales": 12698.43, "transactions": 33, "unique_customers": 32, "moving_avg_sales": 13178.42, "trend": "down", "growth_rate": 13.93 }, { "date": "2011-01-20", "total_sales": 12772.75, "transactions": 36, "unique_customers": 30, "moving_avg_sales": 12984.14, "trend": "down", "growth_rate": 0.59 }, { "date": "2011-01-21", "total_sales": 14722.04, "moving_avg_sales": 14722.04, "trend": "down", "growth_rate": -47.47 }</pre></div><div>Download</div></div> <div><div>Response headers</div><div><pre>content-length: 3675 content-type: application/json date: Thu,14 Nov 2024 01:31:30 GMT server: uvicorn</pre></div></div>

Responses

Code	Description	Links
200	<div>Successful Response</div> <div>Media type</div> <div>application/json</div> <div>Controls Accept header.</div> <div>Example Value Schema</div> <div>"string"</div>	No links
422	<div>Validation Error</div> <div>Media type</div> <div>application/json</div> <div>Example Value Schema</div> <div><pre>{ "detail": [{ "loc": ["string", 0], "msg": "string", "type": "string" }]}</pre></div>	No links

GET

/api/v1/analytics/products

Get Product Analysis

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Retorna análise dos produtos mais vendidos

Parameters

Cancel

Name	Description
limit integer (query)	Número de produtos a retornar
	<div>10</div>

Execute

Clear

Responses

Curl

```
curl -X 'GET' \
  'http://localhost:8000/api/v1/analytics/products?limit=10' \
  -H 'accept: application/json'
```

Request URL

http://localhost:8000/api/v1/analytics/products?limit=10

Server response

Code	Details
200	<div><div>Response body</div><div><pre>{ "product_code": "85099B", "description": "JUMBO BAG RED RETROSPOT", "total_quantity": 1586, "total_revenue": 3621.64, "category": "Decoração com Velas e Acessórios Românticos", "price_category": "Barato" }, { "product_code": "23298", "description": "SPOTTY BUNTING", "total_quantity": 633, "total_revenue": 3133.35, "category": "Decoração e Artigos Temáticos", "price_category": "Barato" }, { "product_code": "84879", "description": "ASSORTED COLOUR BIRD ORNAMENT", "total_quantity": 1770, "total_revenue": 3037.06, "category": "Decoração e Artigos Temáticos", "price_category": "Barato" }, { "product_code": "20725", "description": "LUNCH BAG RED RETROSPOT", "total_quantity": 1487, "total_revenue": 2814.25, </pre></div><div>Response headers</div><div><pre>content-length: 1866 content-type: application/json date: Thu,14 Nov 2024 01:31:42 GMT server: uvicorn</pre></div></div>

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Responses

Code	Description	Links
200	<div>Successful Response</div> <div>Media type</div> <div>application/json</div> <div>Controls Accept header.</div> <div>Example Value Schema</div>	No links

Code	Description	Links
	<pre>[{ "product_code": "string", "description": "string", "total_quantity": 0, "total_revenue": 0, "category": "string", "price_category": "string" }]</pre>	
422	<div>Validation Error</div> <div>Media type</div> <div>application/json</div> <div>Example Value Schema</div> <pre>{ "detail": [{ "loc": ["string", 0], "msg": "string", "type": "string" }] }</pre>	No links

GET

/api/v1/analytics/customers

Get Customer Analysis

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Retorna métricas relacionadas aos clientes

Parameters

Cancel

No parameters

Execute

Clear

Responses

Curl

```
curl -X 'GET' \
  'http://localhost:8000/api/v1/analytics/customers' \
  -H 'accept: application/json'
```

Request URL

http://localhost:8000/api/v1/analytics/customers

Server response

Code	Details
200	<div><div>Response body</div><div><pre>{ "country": "Belgium", "customer_count": 25, "average_spend": 15.96 }, { "country": "Spain", "customer_count": 22, "average_spend": 14.27 }], "customer_segments": { "Alto Valor": { "segment_name": "Alto Valor", "customer_count": 754, "average_value": 32.24 }, "Médio Valor": { "segment_name": "Médio Valor", "customer_count": 2347, "average_value": 13.35 }, "Baixo Valor": { "segment_name": "Baixo Valor", "customer_count": 452, "average_value": 3.48 } } }</pre></div><div>Download</div></div> <div><div>Response headers</div><div><pre>content-length: 692 content-type: application/json date: Thu, 14 Nov 2024 01:31:55 GMT server: uvicorn</pre></div></div>

Responses

Code	Description	Links
200	<div>Successful Response</div> <div><div>Media type</div><div>application/json</div><div>Controls Accept header.</div><div><div>Example Value</div><div>Schema</div><div><pre>{ "total_unique_customers": 0, "average_customer_value": 0, "top_countries": [{ "country": "string", "customer_count": 0, "average_spend": 0 }], "customer_segments": { "additionalProp1": {</pre></div></div></div>	No links

Code	Description	Links
	<pre>"segment_name": "string", "customer_count": 0, "average_value": 0 }, "additionalProp2": { "segment_name": "string", "customer_count": 0, "average_value": 0 }, "additionalProp3": { "segment_name": "string", "customer_count": 0, "average_value": 0 } }</pre>	

health

Endpoints para monitoramento da saúde da API

GET

/api/v1/health

Health Check

Verifica o status da API e conexão com banco de dados

Parameters

Cancel

No parameters

Execute

Clear

Responses

Curl

curl -X 'GET' \
'http://localhost:8000/api/v1/health' \
-H 'accept: application/json'

Request URL

http://localhost:8000/api/v1/health

Server response

Code	Details
200	<div>Response body<div>{ "status": "online",</div></div>

Code

Details

Download

```
"timestamp": "2024-11-13T22:32:06.829363",
"database_connected": true,
"version": "1.0.0"
}
```

Response headers

```
content-length: 104
content-type: application/json
date: Thu, 14 Nov 2024 01:32:06 GMT
server: uvicorn
```

Responses

Code	Description	Links
200	Successful Response	No links

Media type

application/json

Controls Accept header.

Example Value

Schema

```
{
  "status": "string",
  "timestamp": "2024-11-14T01:32:15.357Z",
  "database_connected": true,
  "version": "string"
}
```

default



GET / Root

Retorna informações sobre a API e seu status atual

Parameters

Cancel

No parameters

Execute

Clear

Responses

Curl

```
curl -X 'GET' \
'http://localhost:8000/' \
```

-H 'accept: application/json'

Request URL

http://localhost:8000/

Server response

Code	Details
200	<div><div>Response body</div><div><pre>{ "app": "RetailSense AI", "version": "1.0.0", "status": "operational", "timestamp": "2024-11-13T22:32:15.312521", "docs": "/docs", "health": "/api/v1/health", "endpoints": { "analytics": "/api/v1/analytics", "health": "/api/v1/health" } }</pre></div><div>Download</div></div> <div><div>Response headers</div><div><pre>content-length: 219 content-type: application/json date: Thu, 14 Nov 2024 01:32:15 GMT server: uvicorn</pre></div></div>

Responses

Code	Description	Links
200	<div>Successful Response</div> <div><div>Media type</div><div><div>application/json</div></div><div>Controls Accept header.</div><div><div>Example Value</div><div>Schema</div><div>"string"</div></div></div>	No links

Schemas

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CountryMetric > Expand all object

CustomerMetrics > Expand all object

CustomerSegment > Expand all **object**

HTTPValidationError > Expand all **object**

HealthCheck > Expand all **object**

ProductAnalytics > Expand all **object**

SalesMetrics > Expand all **object**

ValidationError > Expand all **object**