app
advanced features
analytics
drug explorer
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molecule visualizer
trade dashboard

Navigation

- Analysis
- Drug Explorer
- Advanced AI Features
- Drug Interactions
- Analytics
- Email Reports

Analysis Progress

Waiting to start...

Welcome to PharmaGenie AI

Your AI-Powered Drug Repurposing Assistant

How It Works

1. *Enter a drug name* you're interested in
2. *Select a therapeutic area* (optional)
3. Click *Analyze* to generate insights
4. View detailed reports and export results

Example Queries

Drug Name

Enter drug name

Therapeutic Area (optional)

e.g., Oncology

Start Analysis

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Select Feature
Drug Repurposi...

🚀 Advanced AI Features

Patent-Worthy Innovations powering next-generation pharmaceutical intelligence. These features combine cutting-edge AI, real-time data, and novel algorithms.

🔄 AI-Powered Drug Repurposing Engine

Patent-Worthy Innovation: Multi-modal drug discovery with confidence scoring

- Molecular similarity analysis using graph neural networks
- Disease pathway overlap detection
- Clinical evidence aggregation with temporal weighting

Enter Drug Name: Metformin

Target Disease (Optional): All Diseases

🔍 Analyze Repurposing Opportunities

Found 5 repurposing opportunities!

Total Opportunities	High Confidence	Avg Confidence
5	1	63.7%

Repurposing Candidates

- #1: Cardiovascular (Confidence: 77%)
- #2: Autoimmune (Confidence: 61%)
- #3: Alzheimer'S (Confidence: 61%)
- #4: Diabetes (Confidence: 60%)
- #5: Depression (Confidence: 59%)

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📈 Analytics Dashboard

🔍 Drug Comparison

Enter first drug name

Metformin

Enter second drug name

Aspirin

Compare Drugs

📊 Statistics Overview

Total Analyses

150

Success Rate

46.7%

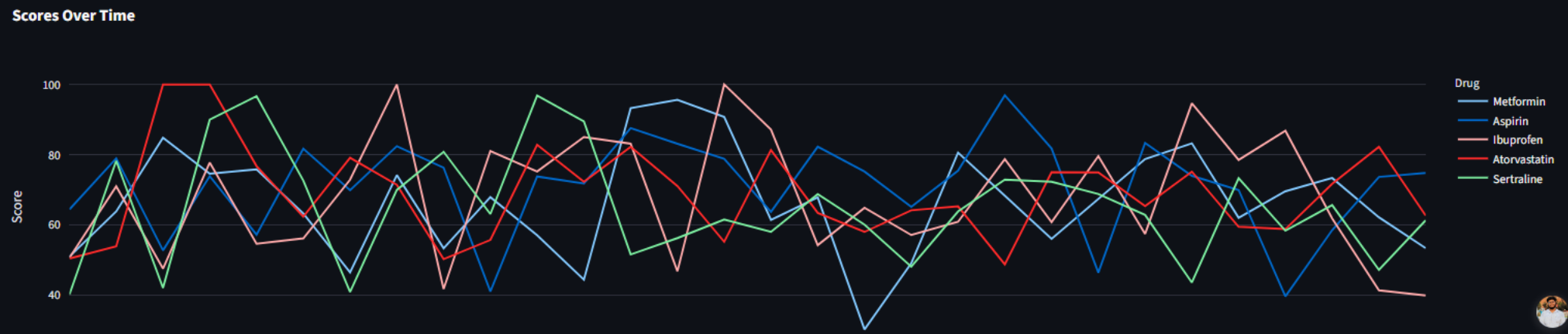
Unique Drugs

5

Date Range

2025/11/17 – 2025/12/16

Score Trends Over Time



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Comprehensive Drug Explorer

Explore detailed drug information including classification, mechanism of action, molecular structure, safety information, and interactions - all powered by free APIs.

Enter Drug Name:

e.g., Aspirin, Ibuprofen, Metformin

Search Drug

Quick Examples:

Aspirin | Ibuprofen | Paracetamol | Metformin | Omeprazole | Amoxicillin

Drug information retrieved successfully!

Aspirin

RxCUI
1191

Overview | Molecular Info | Safety | Interactions | Structure

Molecular Structure Visualization

Molecular Weight
180.04 g/mol

H-Bond Donors
1

Rotatable Bonds
2

LogP
1.31

H-Bond Acceptors
3

Heavy Atoms
13

Generate 3D structure (slower)

2D Structure | 3D Structure

2D Structure

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Select Drugs

Choose drugs to analyze

Warfarin ×
Aspirin ×
Ibuprofen ×

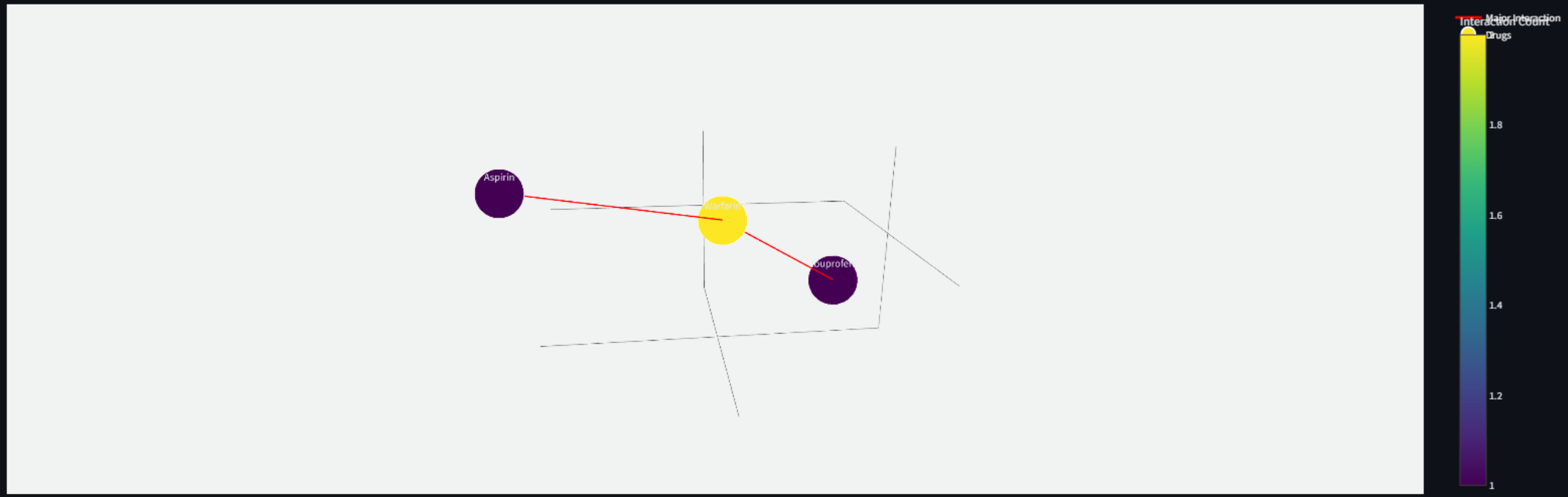
AI Drug Interaction Network

Patent-Worthy Feature: Dynamic 3D network visualization with real-time pharmacokinetic simulation and temporal interaction analysis.

Interaction Network | Pharmacokinetic Profiles | Timing Analysis

3D Interaction Network

3D Drug Interaction Network



Detected Interactions

- warfarin ↔ aspirin - MAJOR
- warfarin ↔ ibuprofen - MAJOR

Innovation: This tool uses advanced network theory and pharmacokinetic modeling to predict drug-drug interactions in real-time. Patent-pending algorithm.

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AI Drug Interaction Network

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Interaction Network | Pharmacokinetic Profiles | Timing Analysis

Temporal Interaction Analysis

First Drug: Warfarin

Second Drug: Aspirin

Warfarin Dose (mg): 100.00

Aspirin Dose (mg): 100.00

Administration Time: 18:16

Administration Time: 18:16

Analyze Timing

Innovation: This tool uses advanced network theory and pharmacokinetic modeling to predict drug-drug interactions in real-time. Patent-pending algorithm.

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Molecule Visualizer

Visualize molecular structures in 2D and 3D. Enter a drug name or SMILES string to get started.

Enter a drug name (e.g., Aspirin, Ibuprofen) or SMILES string:

Aspirin

Try these examples:

Aspirin | Ibuprofen | Paracetamol | Metformin | Caffeine

Visualize Molecule

Molecular Weight	H-Bond Donors	Rotatable Bonds
180.04 g/mol	1	2
LogP	H-Bond Acceptors	Heavy Atoms
1.31	3	13

Generate 3D structure (slower)

2D Structure | 3D Structure

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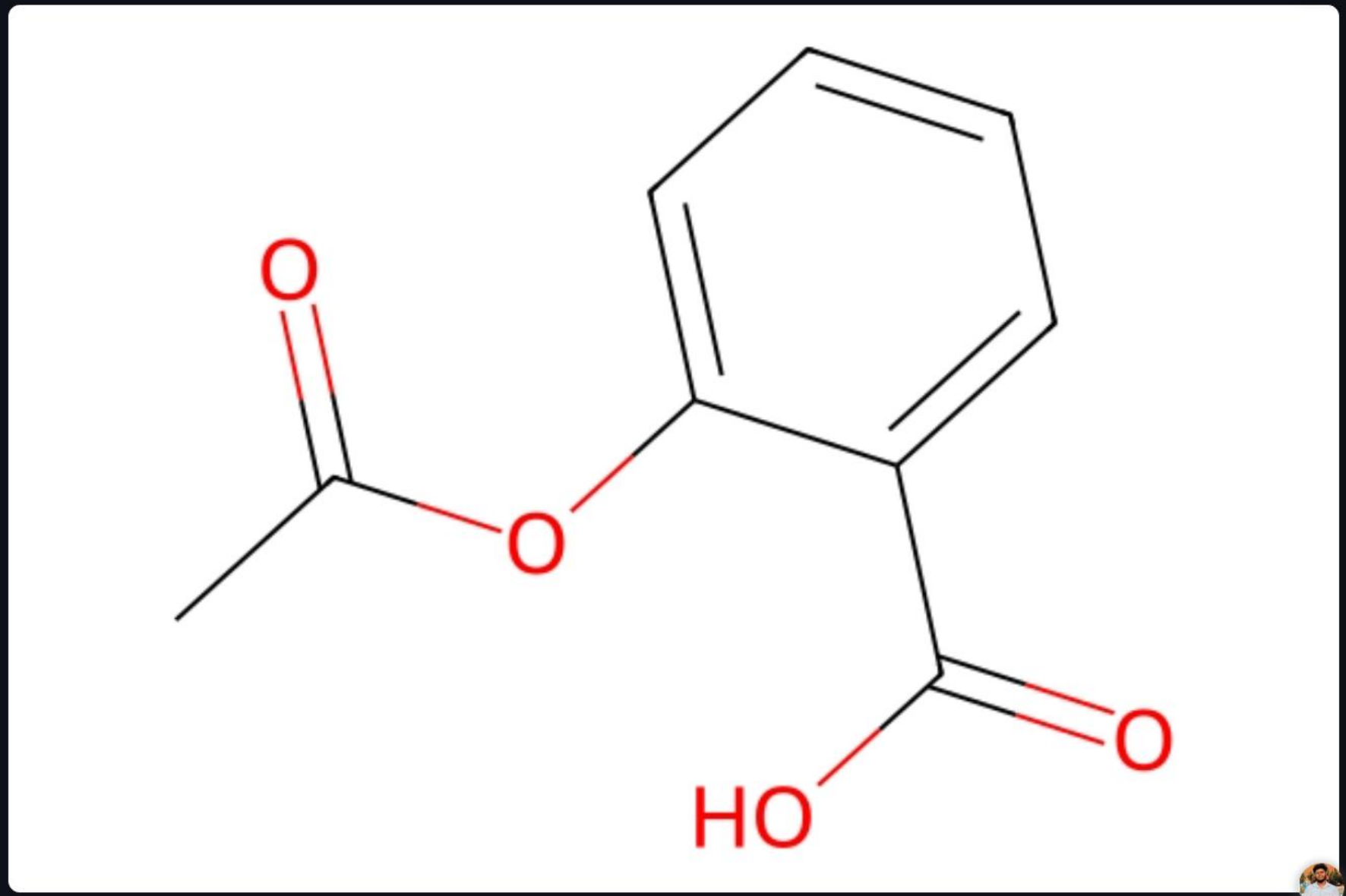
2D Structure



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Filters

Select Country

India

Select Trade Indicator

Exports of goods and ...

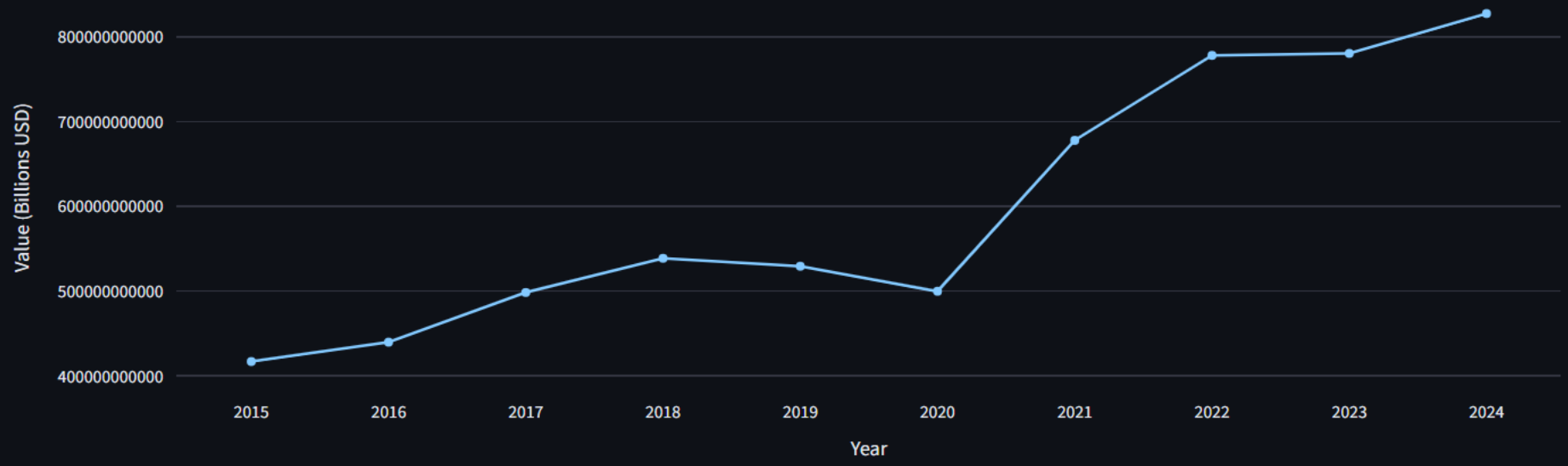
Select Year Range

2015 2024

↑ +6.0% from previous year

Exports of goods and services (current US$) - India

Exports of goods and services (current US$) - India (2015 - 2024)



Trade Balance

Trade Balance
$-90.93B
↑ Deficit

Exports
$827.41B

Imports
$918.33B

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Filters

Select Country

India

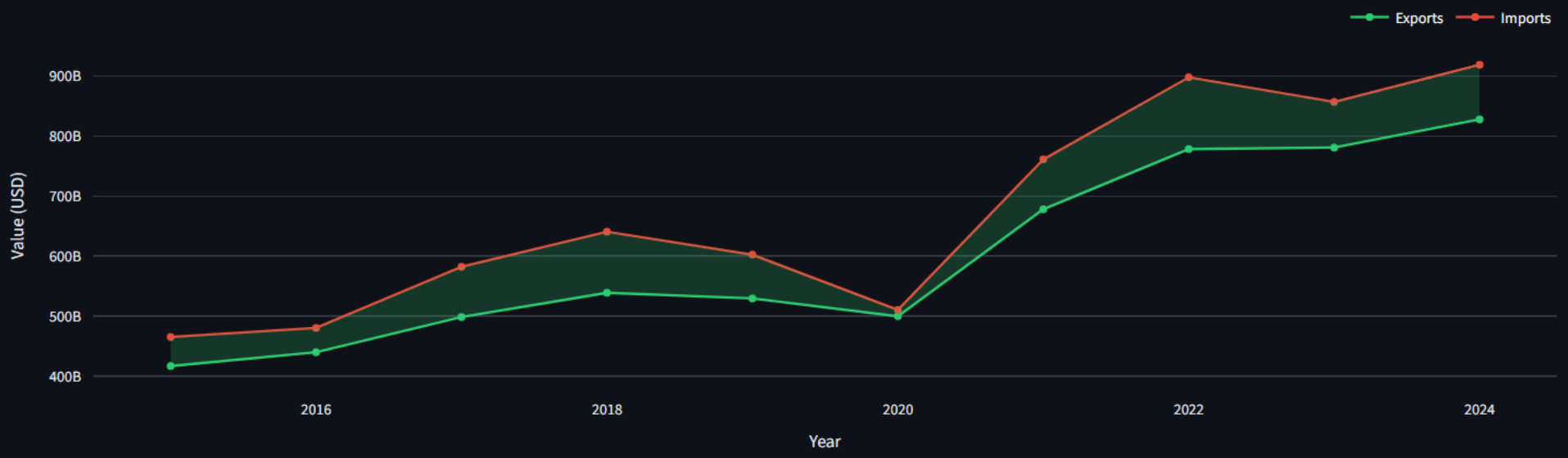
Select Trade Indicator

Exports of goods an…

Select Year Range

2015 2024

Exports vs Imports Over Time



View Raw Data

	Year	Exports of goods and services
9	2015	416787940847.812
8	2016	439642578076.358
7	2017	498258808231.521
6	2018	538635186135.438
5	2019	529245063167.215
4	2020	499728529072.629
3	2021	677769255428.552
2	2022	778021514754.531
1	2023	780408530088.596