



Why the official statistics community needs StatGPT

GFSAC

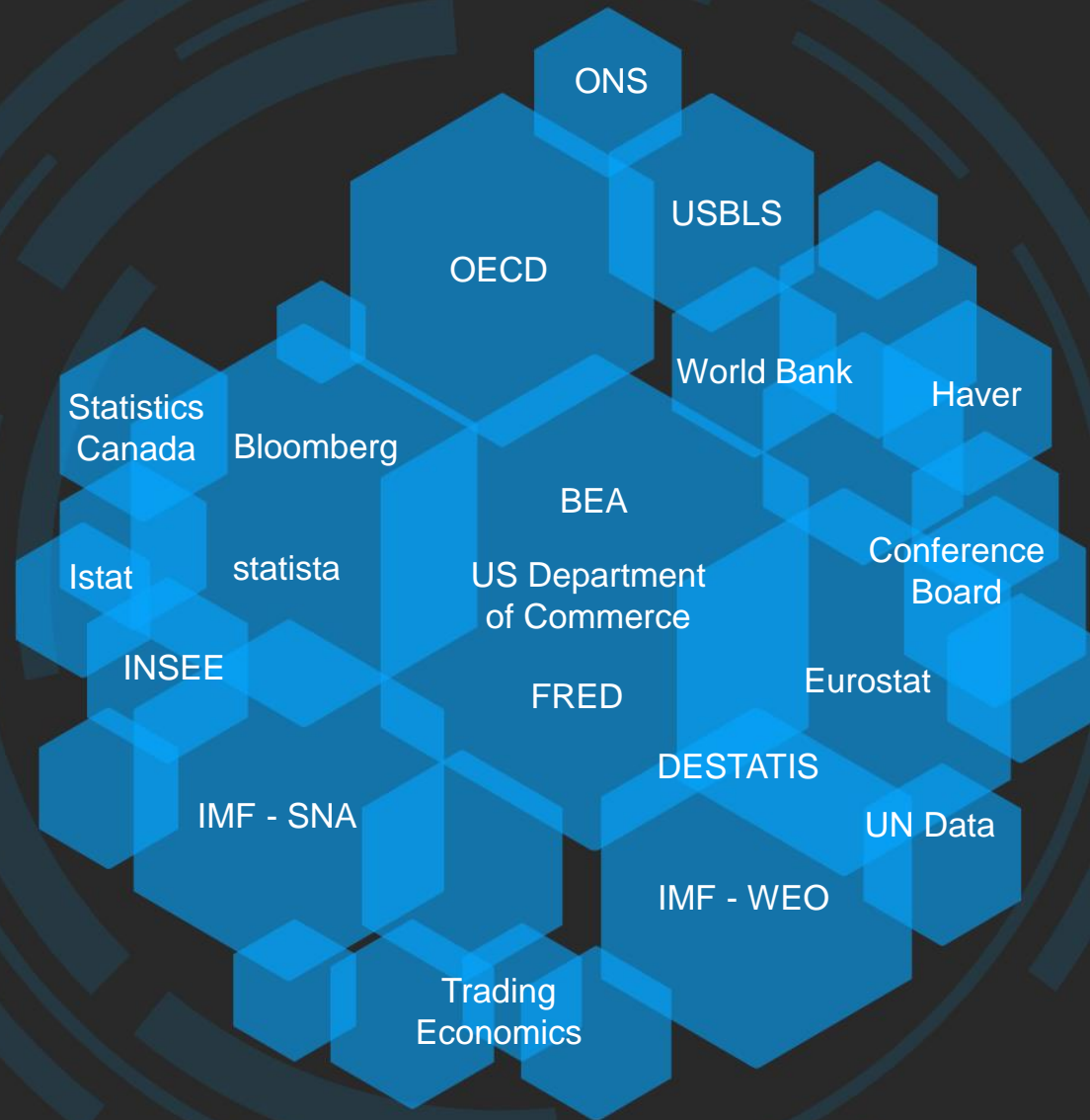
MAY 15, 2025

Jim Tebrake, IMF

**I would like some economic
growth and inflation
indicators for the G7
countries**



?



**I would like some economic
growth and inflation
indicators for the G7
countries**



What's on the agenda today?

Can you provide me with a table of the debt to GDP ratios for the G7 countries for the period 2018 to 2024 sourcing the data from the latest IMF world economic outlook?



Search



Deep research



Create image



Certainly! Below is a table presenting the general government gross debt as a percentage of GDP for the G7 countries from 2018 to 2024, based on the latest data from the International Monetary Fund's (IMF) World Economic Outlook (WEO) April 2025 edition.

Year	Canada	France	Germany	Italy	Japan	United Kingdom	United States
2018	88.4	97.6	61.9	134.8	236.6	85.8	105.2
2019	87.2	97.9	59.6	134.5	237.1	85.9	106.9
2020	117.8	115.0	69.3	155.3	256.9	103.7	133.9
2021	112.1	112.5	69.3	150.3	256.9	102.6	128.1
2022	107.5	111.6	66.4	144.7	254.6	100.2	121.7
2023	106.6	110.6	64.5	140.1	252.3	98.4	119.4
2024	105.7	109.7	62.6	135.5	250.0	96.5	117.1

Notes:

- The figures represent the general government gross debt as a percentage of GDP.
- Data for 2024 are projections from the IMF's April 2025 WEO.
- The significant increase in debt ratios in 2020 reflects the fiscal responses to the COVID-19 pandemic.

For more detailed information and data, you can refer to the IMF's World Economic Outlook database: [IMF](#).

Can you provide me with a table of the debt to GDP ratios for the G7 countries for the period 2010 to 2024 sourcing the data from the latest IMF world economic outlook?

Certainly! Below is a table presenting the general government gross debt-to-GDP ratios for the G7 countries from 2010 to 2024, based on data from the International Monetary Fund's World Economic Outlook (WEO). These figures represent the gross debt of the general government as a percentage of nominal GDP.

Year	Canada	France	Germany	Italy	Japan	United Kingdom	United States
2010	82.6	85.3	81.0	119.3	198.0	76.5	94.9
2011	84.4	86.0	78.4	120.8	201.0	80.5	95.5
2012	86.0	89.6	79.7	123.3	204.3	84.2	99.4
2013	86.7	92.3	77.4	129.0	226.1	86.5	101.6
2014	86.5	94.9	74.5	131.8	229.0	87.4	104.7
2015	91.5	95.6	71.2	134.8	234.0	88.2	106.8
2016	91.5	96.7	68.5	134.8	236.4	87.9	107.0
2017	89.7	97.0	64.5	134.1	236.6	86.8	106.8
2018	88.9	97.8	61.8	134.8	236.5	85.4	106.9
2019	88.6	97.4	59.6	134.1	234.8	85.2	108.5
2020	117.8	114.6	69.5	155.3	256.9	103.7	134.5
2021	112.3	112.6	69.3	150.3	256.1	102.6	133.5
2022	107.2	111.6	66.3	144.7	254.1	100.6	129.0
2023	105.0	110.0	64.0	141.0	252.0	98.5	127.0
2024	103.5	108.5	62.0	138.0	250.0	96.5	125.0

Notes:

- The figures for 2023 and 2024 are projections from the IMF's April 2025 World Economic Outlook.
- Japan consistently exhibits the highest debt-to-GDP ratio among the G7 nations, reflecting its prolonged fiscal challenges.
- Germany maintains a relatively lower ratio, indicative of its fiscal consolidation efforts over the years.
- The spike in 2020 across all countries corresponds to increased government borrowing in response to the COVID-19 pandemic.

For more detailed information and access to the IMF's data, you can visit the [IMF DataMapper](#) or refer to the [World Economic Outlook, April 2025](#).

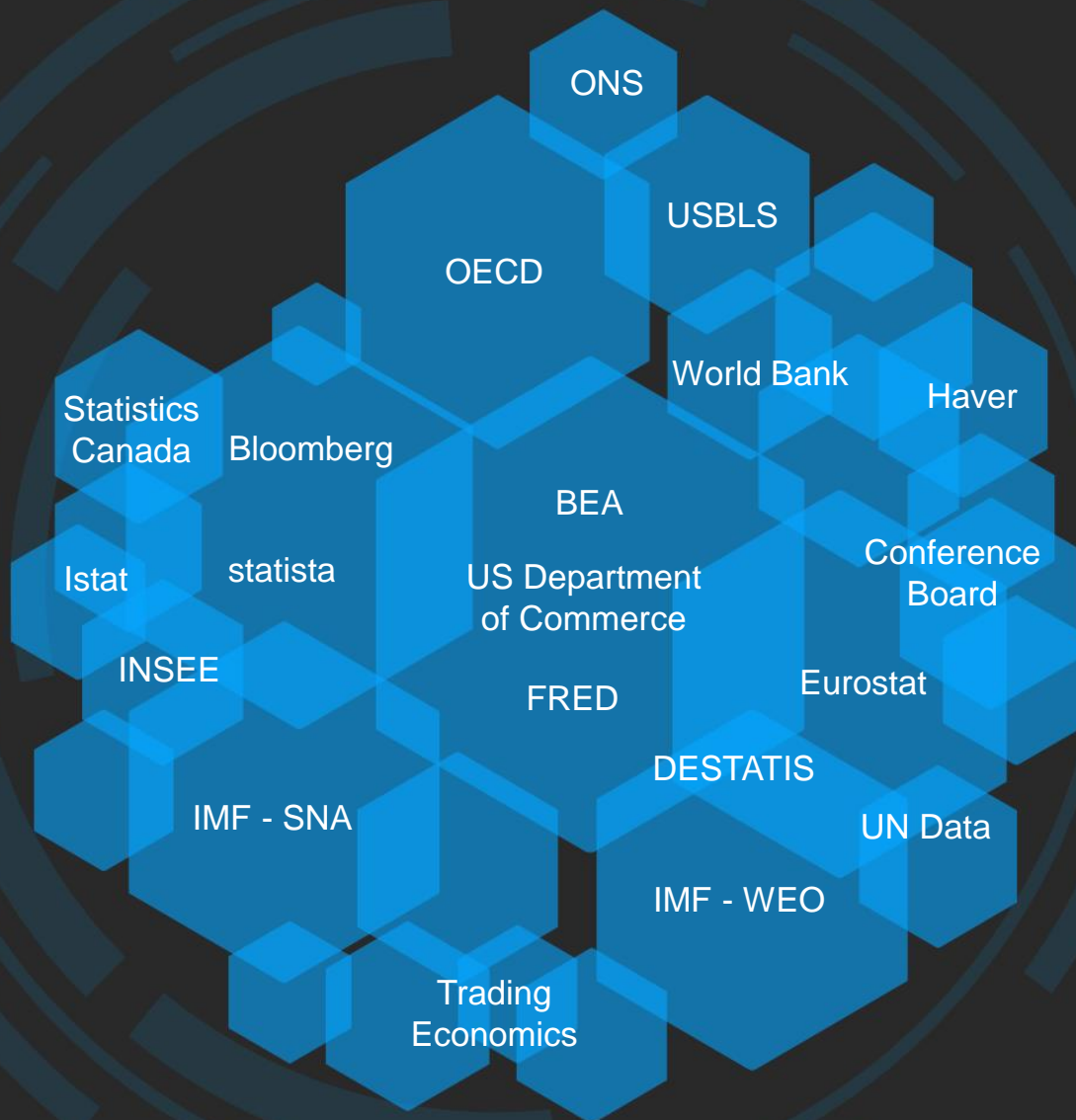
The figure using the previous prompt was 117.1. The actual number in the October 2024 WEO is 123.256 for gross debt and 97.594 for net debt.

What is my biggest fear with GenAI?

**Users of official statistics will use
GenAI out of the box to retrieve
data because it is so easy, and the
results look plausible (and
therefore the AI disclaimer will be
ignored)**



I would like debt to GDP indicators for the G7



What is the Big Idea behind StatGPT?

Use the generative capability of AI to generate a **query** that can be executed against a structured dataset.

Demo



IMF DATA

Andrew Neilson | HELP

ACCESS TO ECONOMIC AND FINANCIAL DATA

Search IMF Data



Popular search requests: [gdp](#) [m3](#) [exchange rate](#) [cpi](#)



DATA EXPLORER



DATASETS



RELEASE CALENDAR

Latest Updates



FISCAL MONITOR

23
APR

NEWS

WORLD ECONOMIC OUTLOOK

22
APR

NEWS

IMF DATA BRIEF

16
APR

DATA BRIEF



21
MAR

NEWS



+ New Chat

Yesterday

Data Deep Dive: Your Insights, Explai...

Unlocking Trends: Analytics Chat Assi...

Data Detective: Investigate Your Num...

Last 7 days

Analytics Simplified: Talk Through Yo...

From Data to Decisions

Explore Your Data Story

Find the Hidden Patterns: Analytics T...

Smart Data Conversations: Your AI An...

Data Check-In: Explore, Question, Dis...

Chart the Path: Talk with Your Data N...



How can I help you?

Ask anything...



Give me data on the growth and inflation in the USA over the last 10 years

Which inflation indicators do you have?

What can you do?

[+ New Chat](#)

Today



Give me data on the growth and infla...

Yesterday



Data Deep Dive: Your Insights, Explai...



Unlocking Trends: Analytics Chat Assi...



Data Detective: Investigate Your Num...

Last 7 days



Analytics Simplified: Talk Through Yo...



From Data to Decisions



Explore Your Data Story



Find the Hidden Patterns: Analytics T...



Smart Data Conversations: Your AI An...



Data Check-In: Explore, Question, Dis...



Chart the Path: Talk with Your Data N...



Settings

Give me data on the growth and inflation in the USA over the last 10 years



The query executed on the IMF, World Economic Outlook (WEO) dataset focused on the United States, specifically examining the Gross Domestic Product (GDP) in constant prices, with percent change and reported in domestic currency. The data covers a time period from April 28, 2015, to April 28, 2025. The received data contains 1 series. [World Economic Outlook \(WEO\)](#)

[Data](#)[Chart](#)[Code samples](#)[URL Query](#)

IMF.RES:WORLD_ECONOMIC_OUTLOOK(5.0.0)

Indicator	Frequency	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Gross domestic...	Annual	2.95	1.82	2.46	2.97	2.47	-2.21	5.80	1.94	2.54	2.52

Ask anything...





Give me indicators for growth for the United States over the la...



Give me data on the growth and inflation in the USA over the last 10 years

The query executed on the IMF, World Economic Outlook (WEO) dataset focused on the United States, specifically examining the Gross Domestic Product (GDP) in constant prices, with percent change and reported in domestic currency. The data covers a time period from April 28, 2015, to April 28, 2025. The received data contains 1 series. [World Economic Outlook \(WEO\)](#)

Opened in Advanced view



Ask anything...



Advanced view

Share

AN

World Economic Outlook (WEO) [🔗](#)

Agency: IMF.RES | Last Updated: Apr 22, 2025 - 4:00 PM

> Filters: 4



Country: [USA](#) ×

Indicator: [Gross domestic product \(GDP\), Constant prices, Domestic currency](#) ×

Frequency: [Annual](#) |

Time Period: [01/01/2016 - 31/12/2025](#)

Clear All

[Data](#)

[Chart](#)

[Code samples](#)

[URL Query](#)

Country	Indicator	Frequency	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
USA	Gross domestic...	Annual	2.95	1.82	2.46	2.97	2.47	-2.21	5.80	1.94	2.54	2.52

Give me indicators for growth for the United States over the la...

Advanced view

Share

AN

Give me data on the growth and inflation in the USA over the last 10 years

World Economic Outlook (WEO)

Agency: IMF.RES

Last Updated: Apr 22, 2025 - 4:00 PM

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Open

Filters

Applied: 4

Clear All

Country

1/234

⊞

Indicators

1/234

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Frequency

1/2

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Time Period

01/01/2016 - 31/12/2025

Search country

- ☐ Albania
- ☐ Brazil
- ☐ Canada
- ☐ Denmark
- ☐ Egypt
- ☐ Finland
- ☐ Greece
- ☐ Hungary
- ☐ India
- ☐ Japan
- ☐ Kenya
- ☐ Mexico
- ☐ Norway
- ☐ Portugal

Cancel

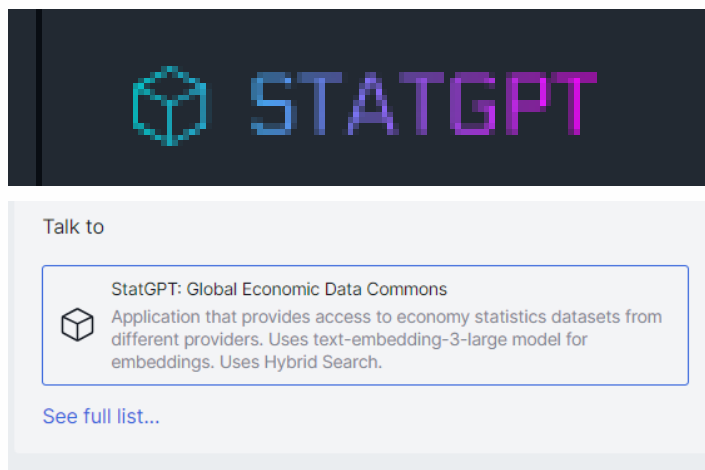
Apply

Ask anything...



Clear All

2023	2024	2025
94	2.54	2.52



No hallucinations since you are generating a query that you control and is executed against a database.

Allows the user to speak in their language.

Has multiple agents to deal with the diversity of user requests (query agent, knowledge agent, generic question agent, available datasets agent)