



GPT-4o in Azure OpenAI

28-May-2024

serge.retkowsky@microsoft.com



OpenAI Spring update

- May 13, 2024
- Spring Update:
“Introducing GPT-4o and making more capabilities available for free in ChatGPT”.



GPT-4o in Azure OpenAI

Posted on May 13, 2024



[AI + Machine Learning](#), [Announcements](#), [Azure AI Content Safety](#), [Azure AI Studio](#), [Azure OpenAI Service](#), [Partners](#)

Introducing GPT-4o: OpenAI's new flagship multimodal model now in preview on Azure

By [Eric Boyd](#), Corporate Vice President, Azure AI Platform, Microsoft

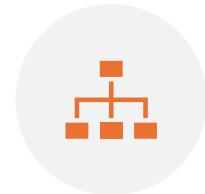
[Introducing GPT-4o: OpenAI's new flagship multimodal model now in preview on Azure | Microsoft Azure Blog](#)



GPT-4o

- **GPT-4o (o = omni)** is available with Azure OpenAI Studio. GPT-4o is the latest model from OpenAI. GPT-4o integrates text and images in a single model, enabling it to handle multiple data types simultaneously.
- This **multimodal** approach enhances accuracy and responsiveness in human-computer interactions.
- GPT-4o matches GPT-4 Turbo in English text and coding tasks while offering superior performance in non-English languages and vision tasks, setting new benchmarks for AI capabilities.
- [Azure OpenAI Service models - Azure OpenAI | Microsoft Learn](#)

GPT-4o with Azure OpenAI



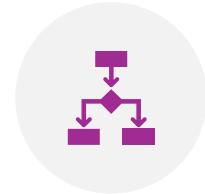
Model Name:
gpt-4o



Today:
GPT-4o is GA



In: Text & image
Out: Text



Model Version:
2024-05-13



Input/output limit:
128K/4k



Training data:
up to Oct 2023



Availability:
6 Azure regions in the
USA



Coming soon:
Enhanced capabilities

GPT-4o with Azure OpenAI

Azure AI | Azure OpenAI Studio

« Azure OpenAI Studio > Models

Models

Azure OpenAI is powered by models with different capabilities and price points. Deploy one of the provided base models to try it out in [Playground](#) or train a custom model to your specification. [Learn more about the different types of base models](#)

Base models

Deploy Create a custom model Column options Refresh

Model	Type	Created	Status	Is Primary
gpt-4	0125-Preview	1/25/2024 1:00 AM	Succeeded	Yes
gpt-4-32k	0613	6/19/2023 2:00 AM	Succeeded	Yes
gpt-4o	2024-05-13		Succeeded	Yes
text-ada-001	1	3/1/2022 1:00 AM	Succeeded	Yes
text-babbage-001	1	3/1/2022 1:00 AM	Succeeded	Yes
text-curie-001	1	3/1/2022 1:00 AM	Succeeded	Yes
text-davinci-002	1	1/22/2022 1:00 AM	Succeeded	Yes
text-davinci-003	1	9/30/2022 2:00 AM	Succeeded	No

GPT-4o with Azure OpenAI Studio

The screenshot shows the Azure OpenAI Studio playground interface. At the top, there are buttons for 'Clear chat', 'Playground settings', 'View code', and a toggle for 'Show JSON'. On the right, a 'Configuration' sidebar is open, showing the 'Deployment' tab selected. A dropdown menu labeled 'Deployment *' has 'gpt-4o' selected and is highlighted with a red rectangle. Below this, under 'Session settings', there is a slider for 'Past messages included' set to 10, and sections for 'Current token count' (11/128000) and 'Input tokens progress indicator'. The main area features a 'Start chatting' button with a robot icon and a text input field with placeholder text 'Type user query here. (Shift + Enter for new line)'. At the bottom, it says '11/128000 tokens to be sent' followed by three icons.

GPT-4o Python SDK demo

[Azure-OpenAI-demos/GPT-4o/GPT-4o model with Azure OpenAI.ipynb at main · retkowsky/Azure-OpenAI-demos \(github.com\)](https://Azure-OpenAI-demos/GPT-4o/GPT-4o%20model%20with%20Azure%20OpenAI.ipynb%20at%20main%20-%20retkowsky/Azure-OpenAI-demos%20%28github.com%29)

GPT-4o model with Azure OpenAI

Your image

The image shows a French national identity card (Carte Nationale d'Identité). The card is gold-colored and features a portrait of a woman. Key details visible on the card include:

- NOM (Surname): CHEVALLIER
- Prénom / Given names: Gisèle, Audrey
- SEXE / Sex: FRA (Female)
- DATE DE NAISS. / Date of birth: 01 04 1995
- PLACE DE NAISSANCE / Place of birth: BORDEAUX
- MARRIAGE / Alternate name: vve. DUBOIS
- N° DU DOCUMENT / Document No: T7X62TZ79
- DATE D'EXPIR / Expiry date: 27 01 2031
- Signature: 240220

RECEPTE

GPT-4o

CPT-4o results

This is a French national identity card (Carte Nationale d'Identité). The card includes the following details:

- Surname: Chevallier
- Given names: Gisèle, Audrey
- Sex: Female
- Nationality: French
- Date of birth: 01 April 1995
- Place of birth: Bordeaux
- Alternate name: Vve. Dubois
- Document number: T7X62TZ79
- Date of issue: 27 January 2021
- Date of expiry: 27 January 2031
- Signature: Present
- Card number: 240220

The card also features the French flag and the European Union flag with the letters "FR".

Flag

Your prompt

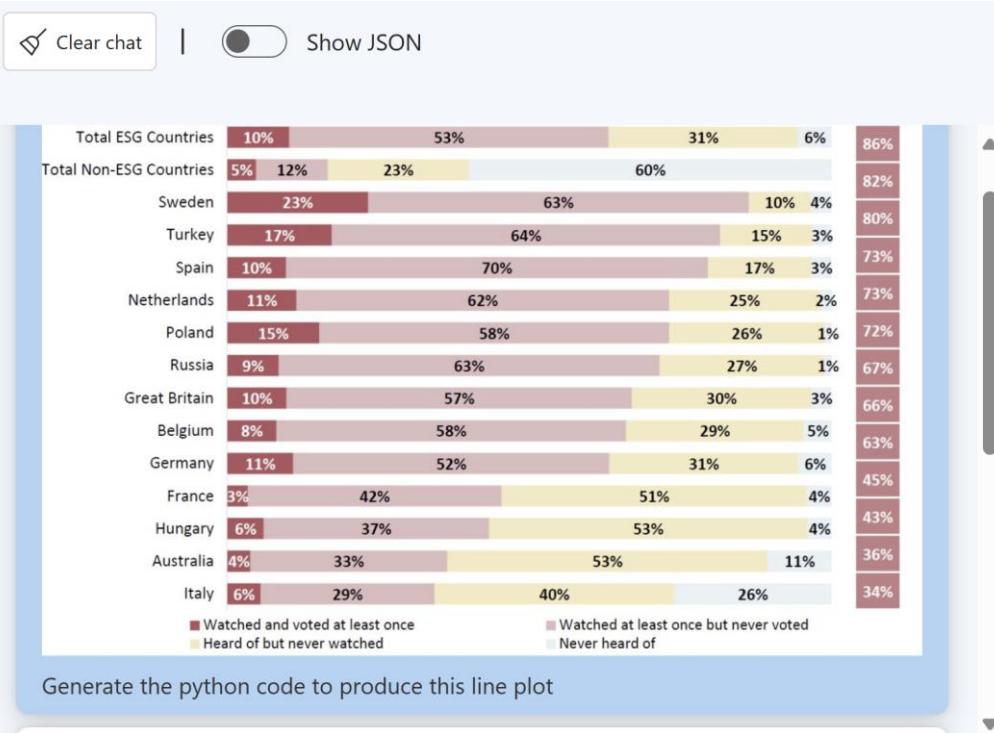
Describe this

Clear

Submit

Use via API 🚀 - Built with Gradio 🎵

GPT-4o demo



Clear chat | Show JSON

To generate a similar plot, we can use Python's matplotlib library. Here's a Python code snippet that recreates the bar chart:

```
import matplotlib.pyplot as plt
import numpy as np

# Data
categories = [
    "Total", "Total ESG Countries", "Total Non-ESG Countries", "Sweden",
    "Turkey", "Spain", "Netherlands", "Poland", "Russia", "Great Britain",
    "Belgium", "Germany", "France", "Hungary", "Australia", "Italy"
]
watched_and_voted = np.array([7, 10, 5, 23, 17, 10, 11, 15, 9, 10, 8, 11, 3,
                            6, 4, 6])
watched_at_least_once = np.array([31, 53, 12, 63, 64, 70, 62, 58, 63, 57, 58, 52,
                                42, 37, 33, 29])
heard_never_watched = np.array([27, 31, 23, 10, 15, 17, 25, 26, 27, 30, 29,

Type user query here. (Shift + Enter for new line)



739/128000 tokens to be sent


```

GPT-4o demo



Can you summarize this image?

The image shows a person's arm with a blood pressure cuff wrapped around it. The cuff is connected to an electronic blood pressure monitor, which is displaying a reading. The monitor shows a systolic pressure of 152 mmHg, a diastolic pressure of 100 mmHg, and a pulse rate of 80 beats per minute. The arm is resting on a surface that appears to be covered with a white cloth or pad.

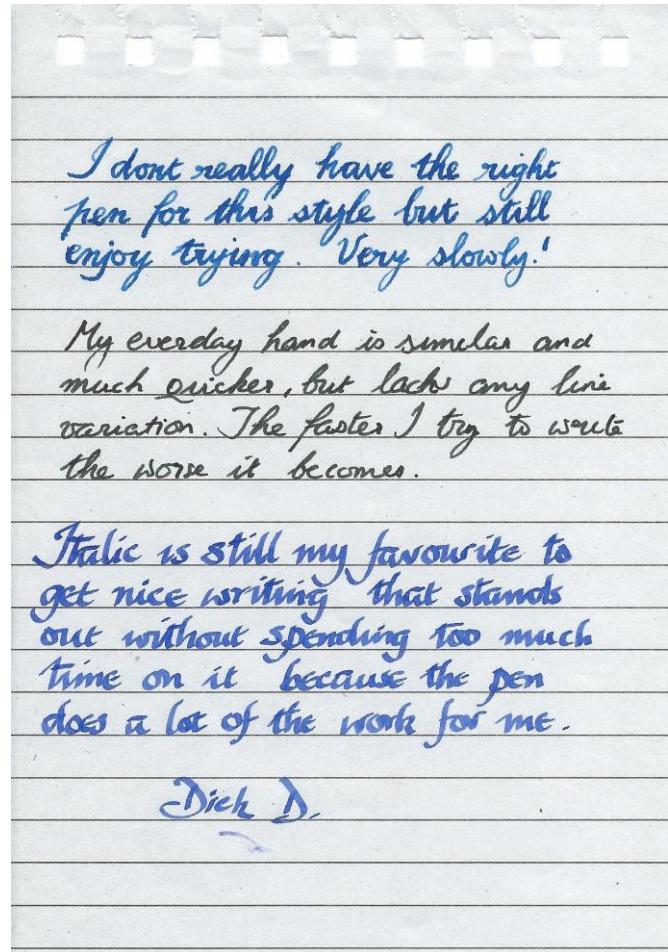
Explain the numbers from the monitor

The numbers displayed on the blood pressure monitor represent the following:

- Systolic Pressure (SYS):** This is the top number, shown as 152 mmHg. It measures the pressure in your arteries when your heart beats (contracts). A normal systolic reading is typically below 120 mmHg. A reading of 152 mmHg indicates high blood pressure (hypertension).
- Diastolic Pressure (DIA):** This is the bottom number, shown as 100 mmHg. It measures the pressure in your arteries when your heart rests between beats. A normal diastolic reading is typically below 80 mmHg. A reading of 100 mmHg also indicates high blood pressure.
- Pulse Rate (PULSE):** This is the number shown at the bottom, which is 80 beats per minute (bpm). It measures the number of heartbeats per minute. A normal resting pulse rate for adults ranges from 60 to 100 bpm.

The readings in this image indicate that the person has high blood pressure (hypertension), as both the systolic and diastolic pressures are above the normal range.

GPT-4o demo



Clear chat | Show JSON

out without spending too much time on it because the pen does a lot of the work for me.

Dick D.

Get the text

The text in the image reads:

"I don't really have the right pen for this style but still enjoy trying. Very slowly!"

"My everyday hand is smaller and much quicker, but lacks any line variation. The faster I try to write the worse it becomes."

"Italic is still my favourite to get nice writing that stands out without spending too much time on it because the pen does a lot of the work for me."

Type user query here. (Shift + Enter for new line)

238/128000 tokens to be sent

GPT-4o demo



Clear chat | Show JSON

Get the name, the address, the date of birth

The information visible on the identity card includes:

Name: Chevallier, Gisèle Audrey
Date of Birth: 01/04/1995
Place of Birth: Bordeaux

The address is not specified on the visible portion of the card.

Type user query here. (Shift + Enter for new line)

431/128000 tokens to be sent

GPT-4o demo



Clear chat | Show JSON

describe this in a json file format

Here's how you could represent the information from the boarding pass in JSON format:

```
{  
  "passenger": "Andreas Winter",  
  "flight": {  
    "number": "AF 1622",  
    "operated_by": "Air France",  
    "route": {  
      "from": "Paris (CDG)",  
      "to": "Munich (MUC)"  
    },  
    "date": "2017-02-20",  
    "boarding_time": "12:35",  
    "departure_time": "13:05",  
    "terminal": "2F",  
    "gate": "-",  
    "seat": "17E",  
    "class": "Economy",  
    "qr_code": "SEC002"  
  }  
}
```

Type user query here. (Shift + Enter for new line)

464/128000 tokens to be sent

GPT-4o demo



Clear chat | Show JSON


66070007600080000625820160206153155
describe this

This image shows a receipt from Decathlon, a well-known sports retailer. The specific branch is located in Saint Alban Chambery, France. The address is 46 Rue du Marczac, 73230 St Alban Leysse, and the contact number is 04 79 85 37 85.

The receipt details two items:

- "NEW CLASSIC ONE NOIR," priced at 29.95 €.
- "BICO 500 LADY NOIR/G," also priced at 29.95 €.

The total amount spent is 59.90 € for the two items. The customer paid 70.00 € in cash and received 10.10 € in change.

The receipt also shows a VAT (tax) rate of 20%, which amounted to 9.98 € on a pre-tax amount of 49.92 €.

The receipt includes a loyalty card number (2090118313411) and mentions a message about the points collected by the customer. The purchase was made on 06/02/2016 at 15:32, through cashier 8, and the transaction number is 6258. The receipt also mentions a promotional event called "Le Trocathlon," which took place from March 18th to 26th, 2016.

Type user query here. (Shift + Enter for new line)

421/128000 tokens to be sent ➤

GPT-4o demo

The screenshot shows the ChatGPT interface with the following elements:

- Top Bar:** Includes "Clear chat" and "Show JSON" buttons.
- Message 1:** A blue-bordered message box containing text about GPT-4o's multi-modal training.
- Message 2:** A blue-bordered message box containing a user instruction to translate text into French.
- Message 3:** A white message box containing French text explaining the vocal mode process.
- Message 4:** A white message box containing English text explaining the end-to-end training of GPT-4o.
- User Input Field:** A large input field at the bottom with placeholder text "Type user query here. (Shift + Enter for new line)".
- Bottom Status:** Shows "441/128000 tokens to be sent" and a send button icon.

GPT-4o demo

Quarterly Sales Update: Q3 2019						
Region	Division	Sales Team	Units Shipped (Thousands)	YoY		
Northeast	New England	CT, ME, MA, NH, VT	526	0.7%		
	Mid-Atlantic	NJ, NY	889	1.0%		
		PA	559	(6.2%)		
	Northeast Total		1,974	(1.1%)		
Midwest	East North Central	IL	977	20.2%		
		IN	582	9.6%		
		MI	929	(7.5%)		
		OH	860	6.8%		
		WI	1,765	0.9%		
	West North Central	IA, KS, NE	754	6.6%		
		MN	960	13.1%		
		MO	767	(0.2%)		
		NE	725	3.2%		
		ND, SD	838	2.5%		
	Midwest Total		9,157	5.5%		
South	South Atlantic	DE	820	9.4%		
		FL	636	4.8%		
		GA, NC, SC	858	(11.2%)		
		MD, VA, DC, WV	931	0.2%		
		AL, KY, MS, TN	820	6.2%		
	East South Central	AR, OK	601	11.6%		
		LA, TX	947	4.4%		
		South Total		5,613	3.2%	
	West	Mountain	AZ, CO, ID, MT, NM, UT	1,279	4.0%	
		Pacific	AK, HI	332	(5.4%)	
			CA	989	3.0%	
			OR, WA	542	(7.1%)	
West Total			3,142	0.8%		
Total (National)			19,886	3.6%		

Clear chat | Show JSON

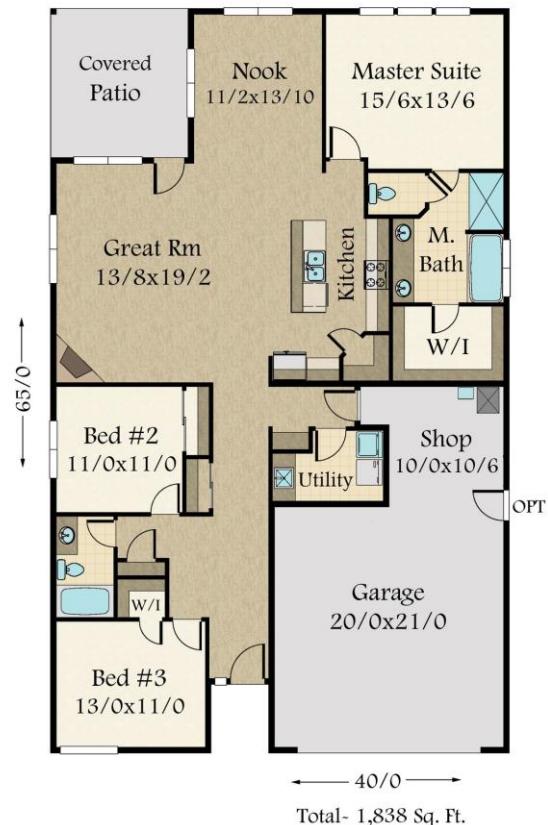
Here is the text in the JSON file format:

```
{  
  "title": "Quarterly Sales Update: Q3 2019",  
  "regions": [  
    {  
      "region": "Northeast",  
      "divisions": [  
        {  
          "division": "New England",  
          "sales_team": "CT, ME, MA, NH, VT",  
          "units_shipped_thousands": 526,  
          "yoy": "0.7%"  
        },  
        {  
          "division": "Mid-Atlantic",  
          "sales_team": "NJ, NY",  
          "units_shipped_thousands": 889,  
          "yoy": "1.0%"  
        },  
        {  
          "division": "Mid-Atlantic",  
          "sales_team": "PA",  
          "units_shipped_thousands": 559,  
          "yoy": "(6.2%)"  
        }  
      ]  
    },  
    {  
      "region": "Midwest",  
      "divisions": [  
        {  
          "division": "East North Central",  
          "sales_team": "IL, IN, MI, OH, WI",  
          "units_shipped_thousands": 1974,  
          "yoy": "(1.1%)"  
        },  
        {  
          "division": "West North Central",  
          "sales_team": "IA, KS, NE, MN, MO, NE, ND, SD",  
          "units_shipped_thousands": 9157,  
          "yoy": "5.5%"  
        }  
      ]  
    },  
    {  
      "region": "South",  
      "divisions": [  
        {  
          "division": "South Atlantic",  
          "sales_team": "DE, FL, GA, NC, SC, MD, VA, DC, WV, AL, KY, MS, TN",  
          "units_shipped_thousands": 5613,  
          "yoy": "3.2%"  
        },  
        {  
          "division": "East South Central",  
          "sales_team": "AR, OK, LA, TX",  
          "units_shipped_thousands": 3142,  
          "yoy": "0.8%"  
        }  
      ]  
    },  
    {  
      "region": "West",  
      "divisions": [  
        {  
          "division": "Mountain",  
          "sales_team": "AZ, CO, ID, MT, NM, UT",  
          "units_shipped_thousands": 1279,  
          "yoy": "4.0%"  
        },  
        {  
          "division": "Pacific",  
          "sales_team": "AK, HI, CA, OR, WA",  
          "units_shipped_thousands": 3142,  
          "yoy": "(5.4%)"  
        }  
      ]  
    }  
  ]  
}
```

Type user query here. (Shift + Enter for new line)

1731/128000 tokens to be sent

GPT-4o demo



Clear chat | Show JSON

describe this

This is a floor plan of a house with a total area of 1,838 square feet. The layout includes the following:

- Great Room:** Measuring 13'8" x 19'2", it is the largest room and is likely designed for living and entertainment purposes.
- Nook:** Measuring 11'2" x 13'10", it could be used as a dining area adjacent to the kitchen.
- Kitchen:** Centrally located in the house with an island that provides additional workspace.
- Master Suite:** The primary bedroom, measuring 15'6" x 13'6", includes a private bathroom (labeled "M. Bath") and a walk-in closet ("W/I").
- Bedroom 2 (Bed #2):** A smaller bedroom measuring 11'0" x 11'0" with a closet and an adjacent bathroom.
- Bedroom 3 (Bed #3):** A bedroom measuring 13'0" x 11'0", also with a walk-in closet and near another bathroom.
- Utility Room:** Provides space for laundry and other utilities.
- Covered Patio:** An outdoor space at the rear of the house, providing a sheltered outdoor area.
- Shop:** Measuring 10'0" x 10'6", it is likely used for storage or as a workshop.
- Garage:** Measuring 20'0" x 21'0", it offers space for vehicle parking.

The plan illustrates a well-organized layout with distinct areas for living, dining, and sleeping, along with additional spaces for storage and utility needs.

Type user query here. (Shift + Enter for new line)

2223/128000 tokens to be sent

GPT-4o demo



Clear chat | Show JSON

What is the brand, model and color of this car? Export this into a json file structure

The car in the image is a Peugeot 3008, and the color appears to be metallic grey.

Here's the information in a JSON structure:

```
{  
  "brand": "Peugeot",  
  "model": "3008",  
  "color": "metallic grey"  
}
```

Type user query here. (Shift + Enter for new line)

214/128000 tokens to be sent

GPT-4o demo



What is the brand, model and color of this car? Export this into a json file structure

The car in the image is a Peugeot 3008, and the color appears to be metallic grey.

Here's the information in a JSON structure:

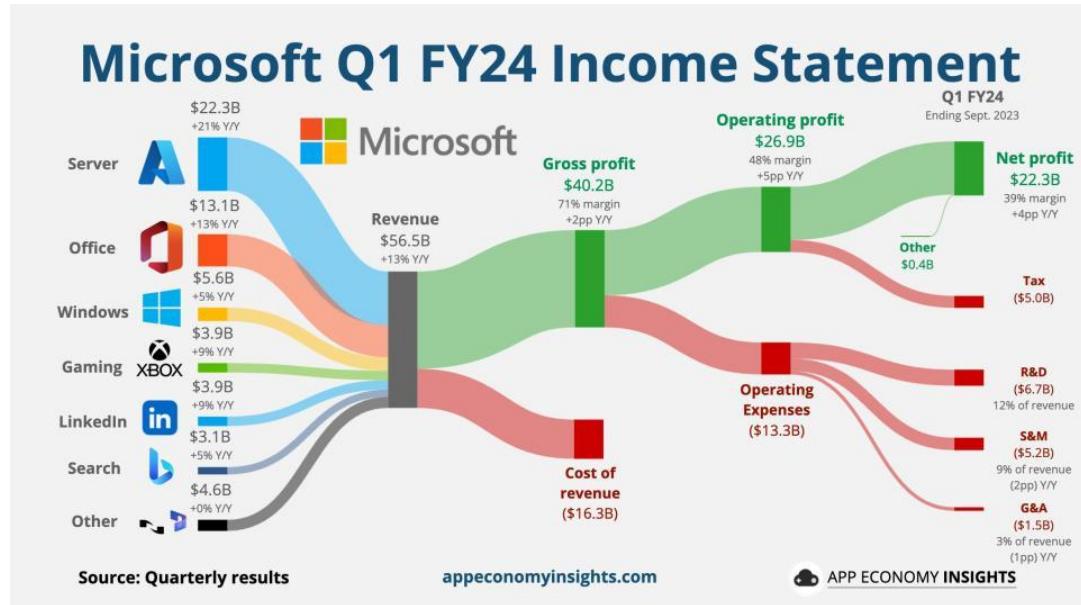
```
{  
  "brand": "Peugeot",  
  "model": "3008",  
  "color": "metallic grey"  
}
```

what is the licence plate

The license plate of the car in the image is "KR66 XGM".

Type user query here. (Shift + Enter for new line)

GPT-4o demo



Clear chat | Show JSON

Generate a small financial analysis

Based on the provided Microsoft Q1 FY24 Income Statement, here's a brief financial analysis:

Revenue Growth

- Total Revenue:** Microsoft achieved a total revenue of \$56.5 billion, which represents a 13% year-over-year (YoY) increase. This growth indicates strong overall performance and expansion across multiple business segments.
- Segment Growth:** Key segments such as Server (Azure) and Office showed significant growth, with 21% and 13% YoY increases, respectively. This suggests robust demand for cloud services and productivity software.

Profitability

- Gross Profit:** Gross profit stands at \$40.2 billion with a 71% margin, up 2 percentage points (pp) YoY. This indicates efficient cost management in delivering products and services.
- Operating Profit:** Operating profit is \$26.9 billion, with a 48% margin, up 5pp YoY. This shows improved efficiency in managing operating expenses relative to revenue growth.
- Net Profit:** Net profit is \$22.3 billion, with a 39% margin, up 4pp YoY. This strong net profit margin highlights effective cost control across the entire business.

Expense Analysis

Type user query here. (Shift + Enter for new line)

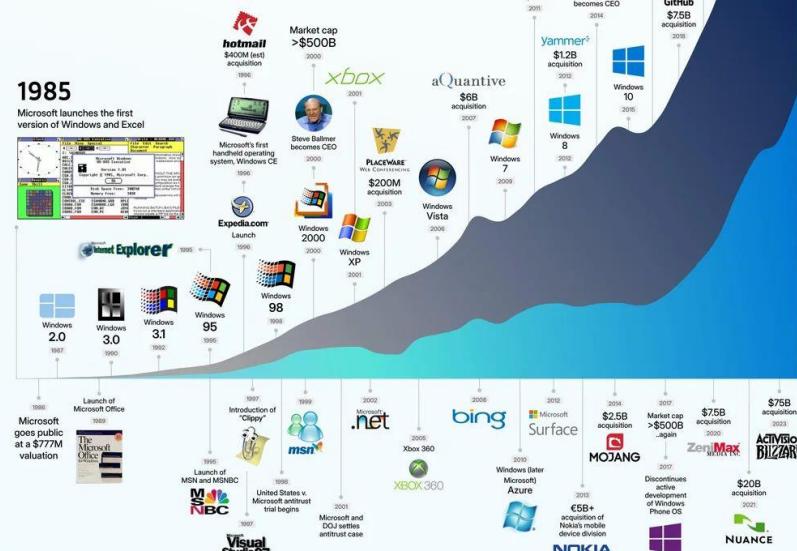
957/128000 tokens to be sent

GPT-4o demo

Four decades of Microsoft

Quatr x ACQUIRED

- Revenue (\$197M → \$244B est.)
- EBIT (\$61M → \$107B est.)



Clear chat | Show JSON

describe this

This image provides a visual timeline of Microsoft's growth over four decades, highlighting significant milestones in the company's history. The graph tracks Microsoft's revenue and EBIT (Earnings Before Interest and Taxes) growth from 1985 to 2024 (estimated), showing a steady rise over time. Key events and product launches are marked on the timeline, including major software releases, acquisitions, and leadership changes. Some notable points include:

- The launch of Windows and Excel in 1985.
- The introduction of Internet Explorer in 1995.
- The acquisition of Hotmail in 1997 and Skype in 2011.
- The release of various versions of Windows, including Windows 95, XP, Vista, and Windows 10.
- The launch of the Xbox gaming console in 2001 and subsequent Xbox versions.
- The acquisition of companies like LinkedIn, GitHub, and Activision Blizzard.
- The introduction of cloud computing with Azure.
- The appointment of Satya Nadella as CEO in 2014.

The graph also shows Microsoft's market cap growth, reaching over \$3 trillion in 2024.

Type user query here. (Shift + Enter for new line)

377/128000 tokens to be sent

GPT-4o demo

Clear chat | Show JSON



Who is the person on the left?

The person on the left in the image is Charlie Watts, the drummer for the Rolling Stones. He was known for his steady drumming and jazz influences, which became a key part of the band's sound.

Type user query here. (Shift + Enter for new line)

194/128000 tokens to be sent

GPT-4o demo

| Show JSON



What are the products there?

The image shows a supermarket shelf stocked with different products. Here's a brief overview:

- 1. Laundry Detergents and Fabric Softeners:**
 - Brands like Perlana, Dixan, Dash, Bio Presto, and Ariel are visible, which are all laundry detergents and fabric softeners.
- 2. Pasta:**
 - Brands like Barilla, De Cecco, Divella, Emiliane, and Voiello are visible, which are well-known pasta brands.

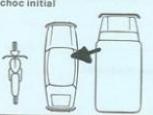
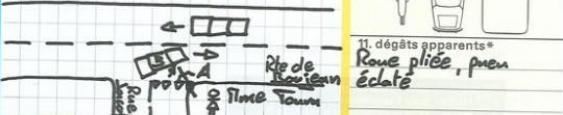
The shelves are organized with detergents and fabric softeners on the upper shelves and pasta products on the lower shelves.

Type user query here. (Shift + Enter for new line)

279/128000 tokens to be sent

GPT-4o demo

Constat amiable d'accident automobile
 Ne constitue pas une reconnaissance de responsabilité, mais un relevé des identités et des faits, servant à l'accélération du règlement.

1. date de l'accident : heure 31.02.2023 14h05	2. lieu, rue Rte de Boujean 147	3. blessés même légers <input checked="" type="checkbox"/> non <input type="checkbox"/> oui *
4. dégâts matériels autres qu'aux véhicules A et B	5. témoins (nom, adresse et tél. – à souligner s'il s'agit d'un passager de A ou B) Madame G. Touvu, Grünweg 13, 2500 Biel	
à signer par les deux conducteurs		
véhicule A 6. preneur d'assurance (nom et adresse) G. Padbol Chemin Vert 13 2500 Biel No tél. (de 9 à 17 h) Le preneur d'assurance peut-il récupérer la TVA afférante au véhicule? <input checked="" type="checkbox"/> non <input type="checkbox"/> oui		
véhicule B 6. preneur d'assurance (nom et adresse) Jean Hemar Rue Haute 23 2000 Neuchâtel No tél. (de 9 à 17 h) Le preneur d'assurance peut-il récupérer la TVA afférante au véhicule? <input checked="" type="checkbox"/> non <input type="checkbox"/> oui		
7. véhicule marque, type plaques No châssis (matricule) No 8. assureur RC Mobiliar police No 474125-3 agence Biel carte verte No (pour les étrangers) valable jusqu'au assurance casco? <input type="checkbox"/> non <input checked="" type="checkbox"/> oui Compagnie? Mobiliar 9. conducteur nom... Padbol prénom... Gérard adresse... Chemin Vert 13 2500 Biel permis de conduire: catégorie B par... Cantonal de Biel à la date du 23.03.1987 10. Indiquer par une flèche le point de choc initial  11. dégâts apparents* Vitré cassée		
12. circonstances Mettre une croix (x) dans chacune des cases utiles pour préciser le croquis en stationnement 1. quittait un stationnement 2. prenait un stationnement 3. sortait d'un parking, d'un lieu privé, d'un chemin de terre 4. s'engageait dans un parking, un lieu privé, un chemin de terre 5. s'engageait sur une place à sens unique 6. roulait sur une place à sens unique 7. heurtait à l'arrière une roulant dans le même sens et sur la même file 8. roulait dans le même sens et sur des voies différentes 9. changeait de file 10. doublait 11. virait à droite 12. virait à gauche 13. reculait 14. empruntait sur la piste de chaussée réservée à la circulation sans inversener de droite (dans un carrefour) 15. n'avait pas respecté le signal de priorité 16. indiquer le numéro de cases marquées d'une croix 17. à la date du		
13. croquis de l'accident Préciser: 1. le tracé des voies 2. la direction des véhicules A, B 3. leur position au moment du choc 4. les signaux routiers 5. le nom des rues (ou voies)  10. Indiquer par une flèche le point de choc initial  11. dégâts apparents* Roue pliée, pneu éclaté		
14. observations Le siège passager est endommagé?		
A 15. signature des conducteurs B G. Padbol H. Hemar		
16. observations Je n'ai pas pu freiner!		
Ne rien modifier après les signatures et la séparation des exemplaires Voir déclaration de l'assuré au verso		
<small>*S'il y a des tiers blessés (dégâts matériels ou blessures) répondre aux questions N° 17 et/ou 18 au verso</small>		

Clear chat | Show JSON

o **Insurance:** Mobiliar, Policy No. 474125-7

o **Vehicle Details:**

- Make: Not specified
- Registration: Not specified

o **Damage:** Broken window

o **Observations:** "Le siège passager est endommagé" (The passenger seat is damaged)

4. **Vehicle B:**

o **Driver:** Jean Hemar, Rue Haute 23, 2000 Neuchâtel

o **Insurance:** Helvetia, Policy No. 784231

o **Vehicle Details:**

- Make: BMC (bicycle)
- Registration: 463211

o **Damage:** Bent wheel, flat tire

o **Observations:** "Je n'ai pas pu freiner!" (I couldn't brake!)

5. **Circumstances:**

- o A checklist of different possible scenarios is provided, and the relevant boxes are checked.
- o A diagram indicates the point of impact for both vehicles.

6. **Signatures:**

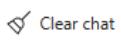
- o Both drivers (G. Padbol and Jean Hemar) have signed the form to acknowledge the details of the accident.

The form provides a structured way to capture the circumstances and details of an accident, which can then be used by insurance companies to assess the situation.

Type user query here. (Shift + Enter for new line)

2805/128000 tokens to be sent

GPT-4o demo

 Clear chat | Show JSON



The image from the left is a normal image with no defect. Can you analyse the image from the right and say if you can detect any defect?

...

The image on the right appears to have a defect when compared to the image on the left. The difference is noticeable in the teal-colored component that protrudes from the metallic structure. Specifically, the teal part appears to be broken or malformed on the right image. The left image shows a more intact and well-defined teal component, while the right image shows a broken tip. This might indicate a manufacturing defect or damage to the teal part.

Type user query here. (Shift + Enter for new line)

239/128000 tokens to be sent  

GPT-4o demo



Clear chat | Show JSON

This image shows a person drinking from a cup while driving. Therefore, it can be classified as "DRINKING."

Type user query here. (Shift + Enter for new line)

176/128000 tokens to be sent ➤

A screenshot of a GPT-4o AI interface. At the top, there are buttons for "Clear chat" and "Show JSON". Below that is a photograph of a man in a red and white striped shirt driving a car and drinking from a cup. A caption below the photo reads: "Classify this into SAFE DRIVING, DRINKING, OPERATING THE RADIO, PHONING". A text box below the image contains the AI's reasoning: "This image shows a person drinking from a cup while driving. Therefore, it can be classified as \"DRINKING.\"". At the bottom, there is a text input field labeled "Type user query here. (Shift + Enter for new line)" and a status message "176/128000 tokens to be sent" followed by a send button icon.

GPT-4o demo



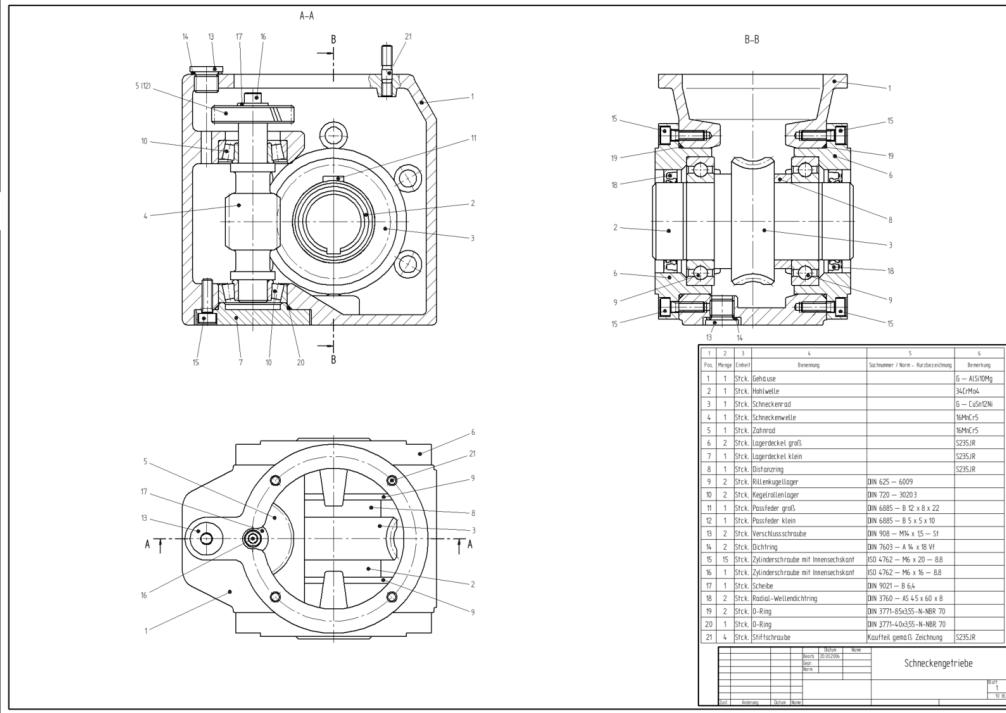
Clear chat | Show JSON

This image shows a person holding a phone while driving. Therefore, it can be classified as "PHONING."

Type user query here. (Shift + Enter for new line)

340/128000 tokens to be sent

GPT-4o demo



This is a detailed technical drawing of a mechanical assembly, likely a gear mechanism, given the visible components and the title "Schneckengetriebe" (which translates to "worm gear" in English). Here are some points worth noting:

- 1. Drawing Views:** The drawing includes three views:
 - Top Left:** A cross-sectional view along the plane A-A, showing the worm gear and housing.
 - Top Right:** A cross-sectional view along the plane B-B, showing the worm wheel and the bearings.
 - Bottom:** A top view of the assembly.
- 2. Parts List (BOM):** The bottom right corner contains a Bill of Materials (BOM), listing the parts used in the assembly:
 - Position numbers (Pos.)
 - Quantity (Menge)
 - Description (Benennung)
 - Material/Standard (Sachnummer/Norm)
 - Additional Notes (Bemerkung)
- 3. Materials:** The BOM provides material specifications for various components, such as:
 - Part 1: Housing (Gehäuse) - Material: G-AlSi10Mg
 - Part 2: Worm wheel (Schneckenrad) - Material: CuSn12Ni
 - Part 3: Worm shaft (Schneckenwelle) - Material: 16MnCr5
- 4. Fasteners and Seals:** The BOM mentions standard fasteners (DIN standards) and seals like O-rings.
- 5. Assembly Details:** The cross-sectional views reveal details about the assembly, showing the arrangement of gears, shafts, bearings, and fasteners. The drawing is annotated with reference numbers corresponding to the BOM.
- 6. Dimensioning and Tolerancing:** The drawing includes dimensions for various parts, ensuring proper fit and function. The tolerances are likely specified on the drawing but aren't immediately visible in this view.
- 7. Annotations:** The drawing uses annotations to reference parts and assembly instructions, which are crucial for manufacturing and assembly.

Type user query here. (Shift + Enter for new line)

603/128000 tokens to be sent

GPT-4o demo

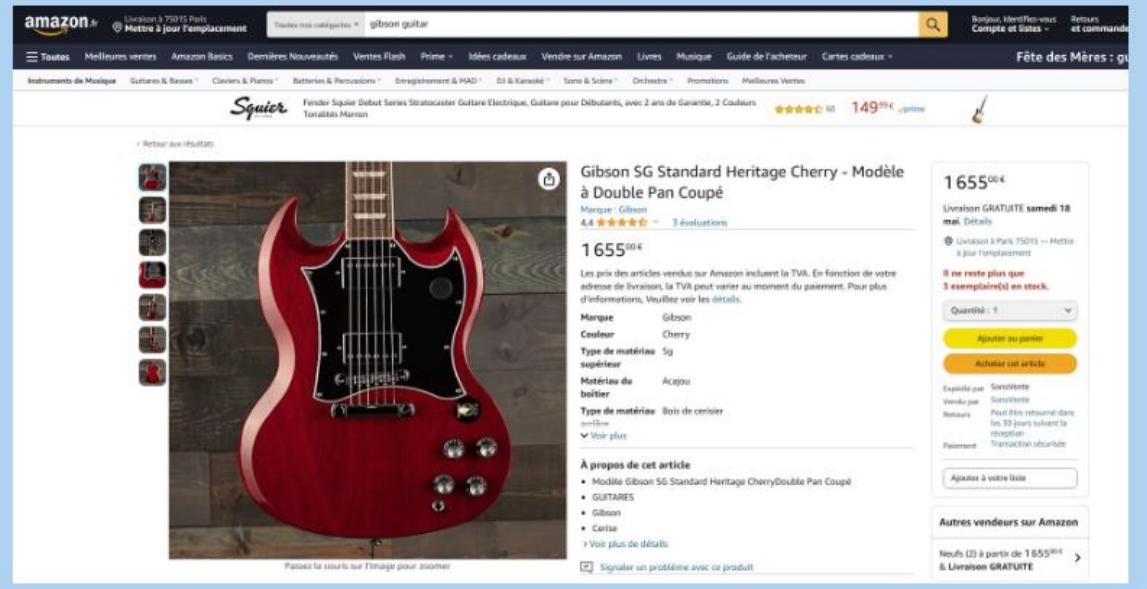


Clear chat | Show JSON

starlink.com. There, you can find information about the service, including availability, pricing, and technical details.' At the bottom is a large input field with placeholder text 'Type user query here. (Shift + Enter for new line)' and a status bar at the bottom right showing '267/128000 tokens to be sent'."/>

GPT-4o demo

What is this product, the price and the delivery date? Print the results like a json file format file



```
{  
  "product": "Gibson SG Standard Heritage Cherry - Modèle à Double Pan Coupé",  
  "price": "1655.00€",  
  "delivery_date": "samedi 18 mai"  
}
```

Print the results in English

```
{  
  "product": "Gibson SG Standard Heritage Cherry - Double Cutaway Model",  
  "price": "1655.00€",  
  "delivery_date": "Saturday, May 18"  
}
```

GPT-4o demo

Principal Dynamic Asian Bond Fund (JAB)
信安動力亞洲債券基金 (JABI)

写一个摘要，概况这个基金的概要。

Fund Details 基金資料

Fund Name: Principal Dynamic Asian Bond Fund (JAB)
基金经理人: Principal Asset Management (Asia Pacific) Limited
投资经理人: U.S. Fund Manager
投资策略: 债券及固定收益
成立日期: 1997/01/19
基金价格: HKD 0.98 - 0.99
基金代码: HK000117358
基金费用比率 (%) : 1.01
风险评级: 4
* This document is for information purposes only and does not constitute an offer or invitation to subscribe or purchase units in the underlying JAB or for CDs or Principal Asset Management (Asia Pacific) Limited.
** 只能向专业投资者提供。有关该基金的详细信息，包括其投资策略、风险和回报，以及购买或出售单位的条款和条件，应参阅该基金的招股说明书。
*** 有关该基金的最新信息，应参阅该基金的定期报告。

Investment Objective 投资目标

The investment fund aims to achieve long-term capital growth in Hong Kong dollar terms through a diversified portfolio of bonds issued by the four Pacific region governments (New Zealand, Australia, Hong Kong, Korea, Mongolia, Philippines, Singapore and Thailand), excluding Japan, Hong Kong, Korea, Mongolia, Philippines, Singapore and Thailand.

Risk Level 风险评级

Low to Medium
低至中等

Balance of Investments 投资组合

The investment fund invests its assets in three main areas: APIFs (approximately 40%), ITCIs (approximately 30%) and bonds issued by governments (approximately 30%). The geographical allocation is as follows: New Zealand 21.25%, Australia 2.8%, Hong Kong 3.8%, Mongolia 0.9%, Thailand 0.9%, Philippines 1.3%, Singapore 1.3%, Korea 1.3%, Indonesia 4.69% and Malaysia 22.02%. The investment fund is subject to the risk of interest rate fluctuations and inflation. It also invests in equities, which may result in significant volatility and risk. It also invests in derivatives, which may result in significant volatility and risk. It also invests in cash and other assets, which may result in significant volatility and risk.

Fund Performance 基金表现 (%) as of 截至 31/12/2023

时段	过去3月	过去6月	过去1年	过去3年	过去5年	过去10年	成立以来
Cumulative Return (%)	5.63	5.17	5.17	13.19	3.07	3.17	24.48
Annualized Return (%)	5.63	5.17	5.17	13.19	3.07	3.17	24.48
Standard Deviation (%)	1.18	1.18	1.18	1.18	1.18	1.18	1.18
Sharpe Ratio	4.81	4.74	4.74	4.74	4.74	4.74	4.74
Max Drawdown (%)	-5.11	-4.77	-4.77	-4.77	-4.77	-4.77	-4.77
成立以来 (%)	5.63	5.17	5.17	13.19	3.07	3.17	24.48

Performance Since Launch 日成立以来的表现



Geographical Breakdown 地理分布 (%)



地区	百分比 (%)
New Zealand	21.25
Australia	2.80
Hong Kong	3.80
Mongolia	0.90
Thailand	0.90
Philippines	1.30
Singapore	1.30
Korea	1.30
Indonesia	4.69
Malaysia	22.02

Top 10 Holdings 主要投资项目 (%)

债券	百分比 (%)
NEW ZEALAND GOVERNMENT 1.25% 15/09/2028	3.81
INDONESIA GOVERNMENT 4.69% 22/09/2032	3.72
AUSTRALIAN GOVERNMENT 2.80% 31/03/2024	1.72
CHINA STATE TREASURY 2.15% 31/03/2024	1.69
CHINA STATE TREASURY 2.40% 30/03/2025	1.09
CHINA STATE TREASURY 2.20% 01/09/2026	1.04
CHINA STATE TREASURY 2.20% 01/09/2027	1.04
CHINA STATE TREASURY 2.20% 01/09/2028	1.04
CHINA STATE GOVERNMENT 2.10% 25/09/2028	1.03
CHINA STATE GOVERNMENT 1.40% 22/09/2026	1.03

Credit Rating Breakdown 信誉评级分布 (%)



评级	百分比 (%)
AAA	11.19
AA+	11.95
AA	11.98
AA-	16.19
AAA 级别	16.19
AA+ 级别	11.98

写一个摘要，概况这个基金的概要。

Clear chat | Show JSON

Write a summary of this publication in English

This publication provides details about the Principal Dynamic Asian Bond Fund (JAB), including its objectives, performance, and investment strategy. The fund aims to achieve long-term capital growth in Hong Kong dollar terms by investing mainly in bonds within the Asia-Pacific region, excluding Japan. Its investments include APIFs, ITCIs, and bonds issued by governments, corporations, and financial institutions in the region.

The fund's performance as of December 31, 2023, is detailed, showing a cumulative return of 5.63% over the past 3 months and an annualized return of 5.17% for 2023. The fund has experienced fluctuations in returns over recent years.

The investment strategy emphasizes careful selection of bonds, given recent economic conditions and credit trends. The fund's geographical allocation is diversified across the Asia-Pacific region, with a significant portion in Hong Kong, Korea, and Australia. The credit rating breakdown shows a concentration in bonds rated A and BBB, with 13.13% in AAA-rated bonds.

The publication also lists the top 10 bond holdings, which include government bonds from New Zealand, Indonesia, and the United States, among others.

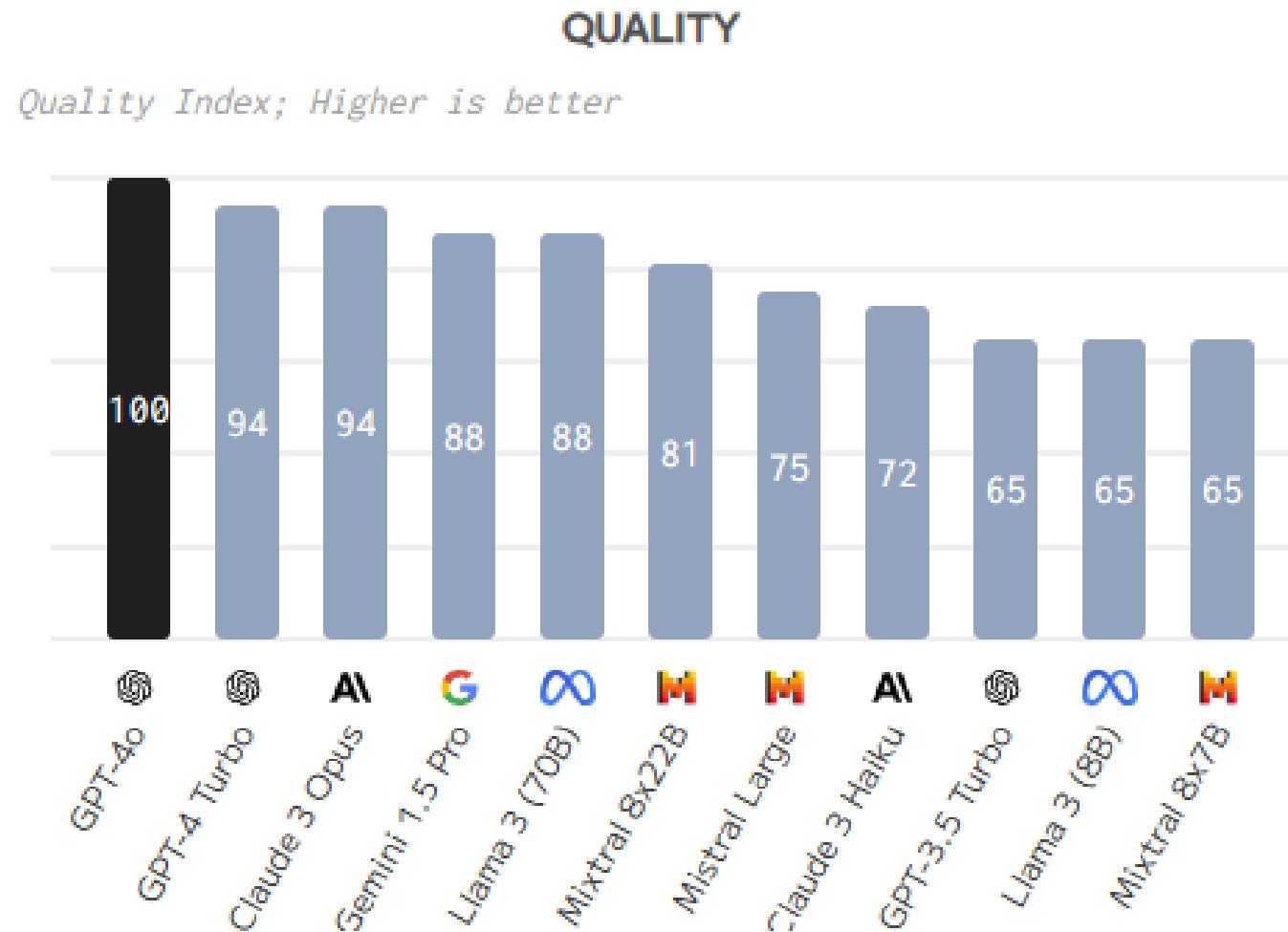
Type user query here. (Shift + Enter for new line)

388/128000 tokens to be sent

Performances

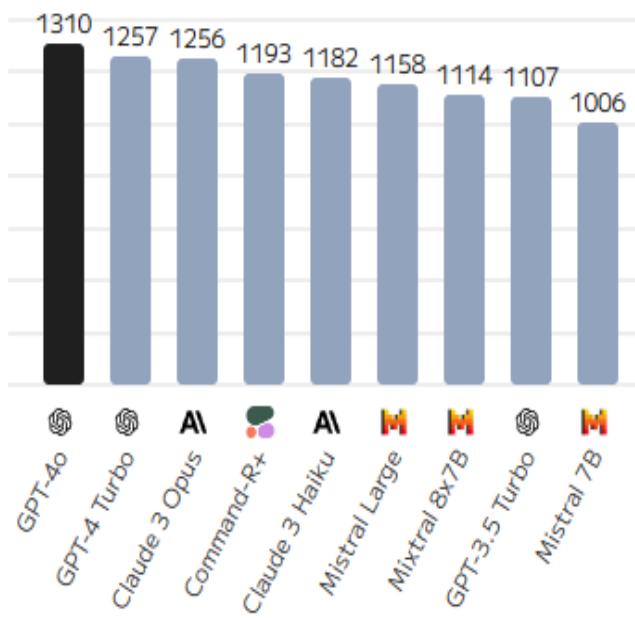


Quality

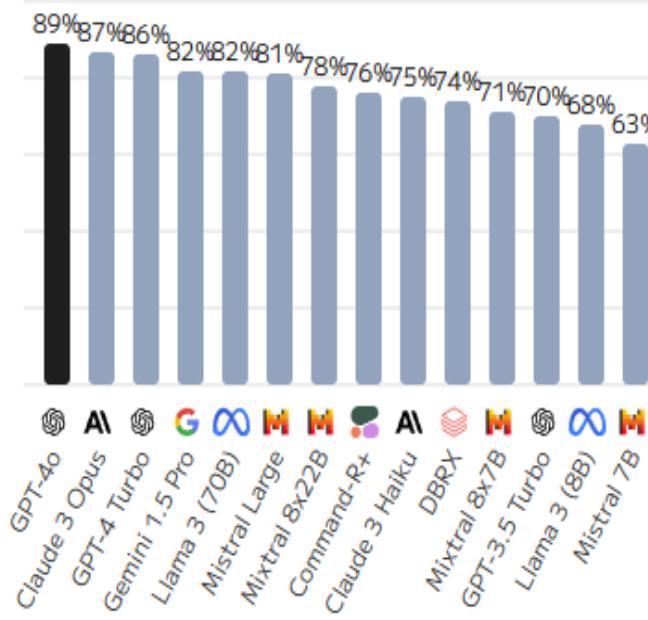


Performance

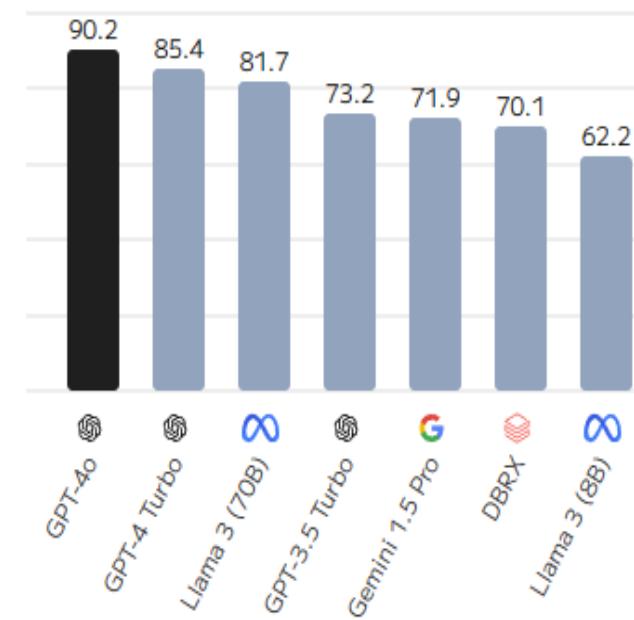
General Ability (Chatbot Arena)



Reasoning & Knowledge (MMLU)



Coding (HumanEval)



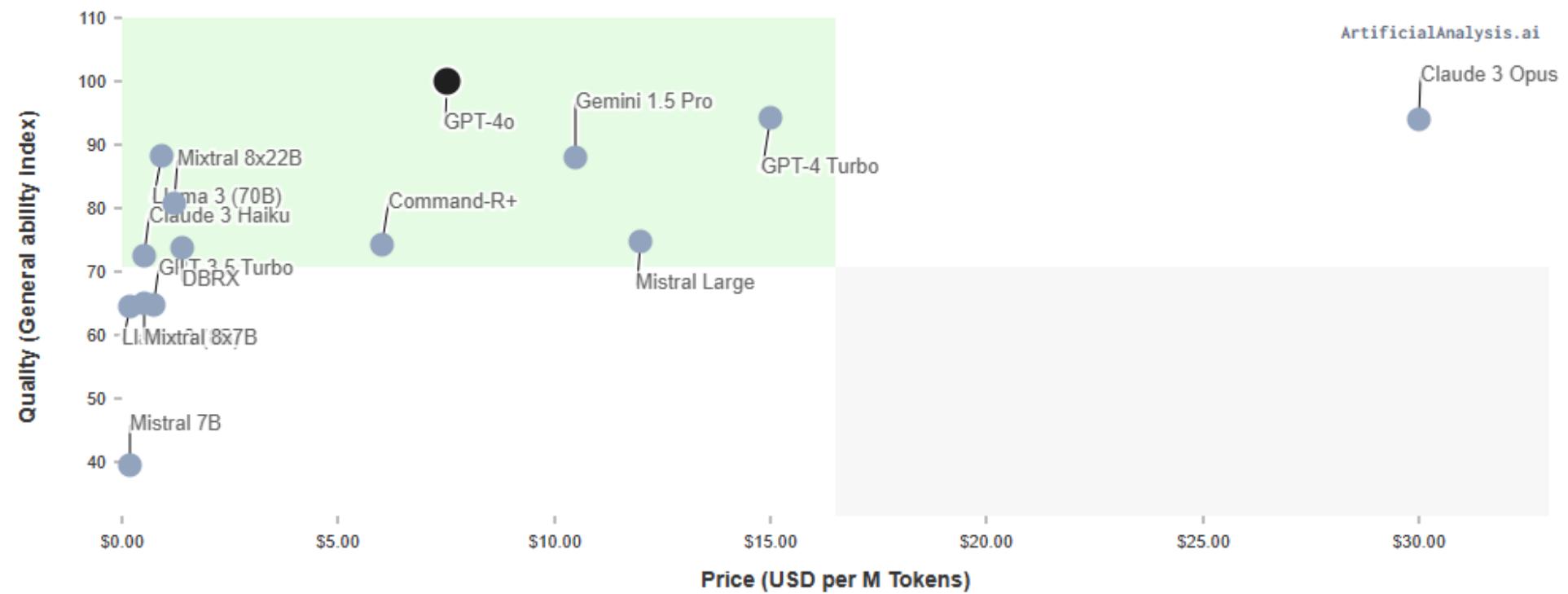
Quality vs Price

Quality vs. Price

Quality: General reasoning index, Price: USD per 1M Tokens

Most attractive quadrant

GPT-4o GPT-4 Turbo GPT-3.5 Turbo Gemini 1.5 Pro Llama 3 (70B) Llama 3 (8B) Mistral Large
Mixtral 8x22B Mixtral 8x7B Mistral 7B Claude 3 Opus Claude 3 Haiku Command-R+ DBRX



Quality vs Context Window, Input token price

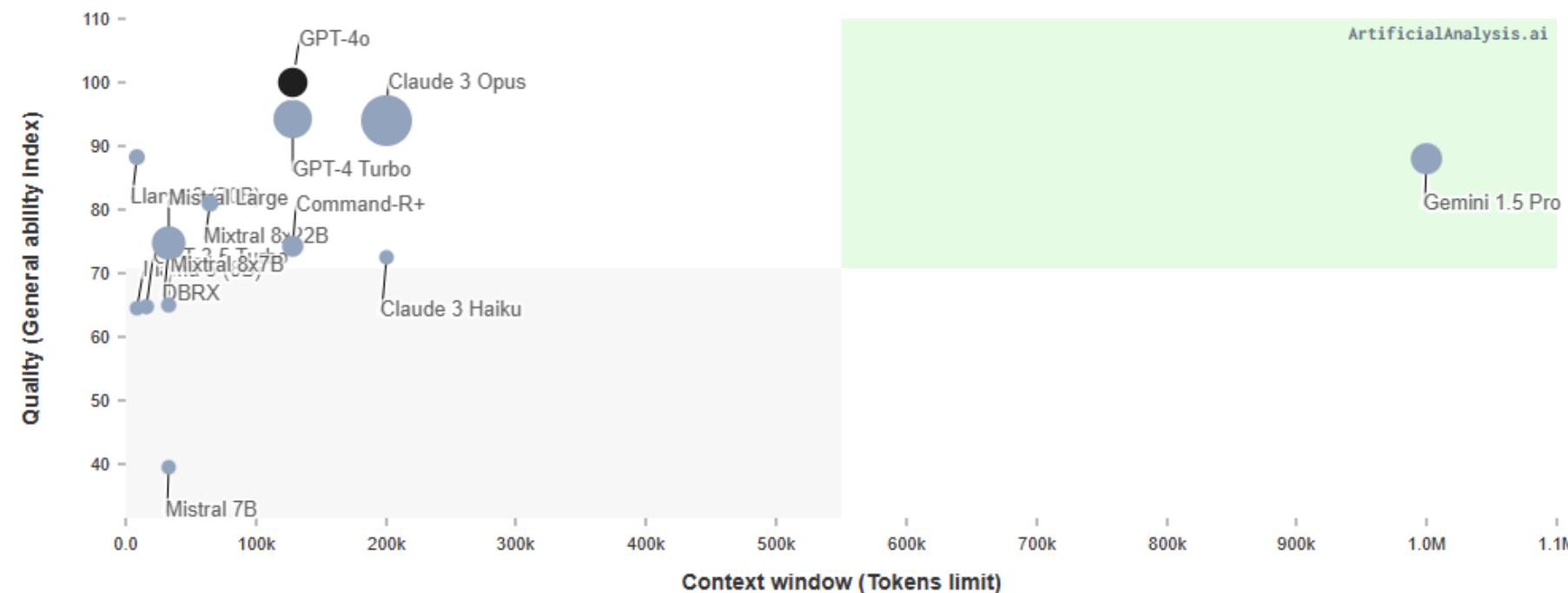
Quality vs. Context window, Input token price

Quality: General reasoning index, Context window: Tokens limit, Input Price: USD per 1M Tokens

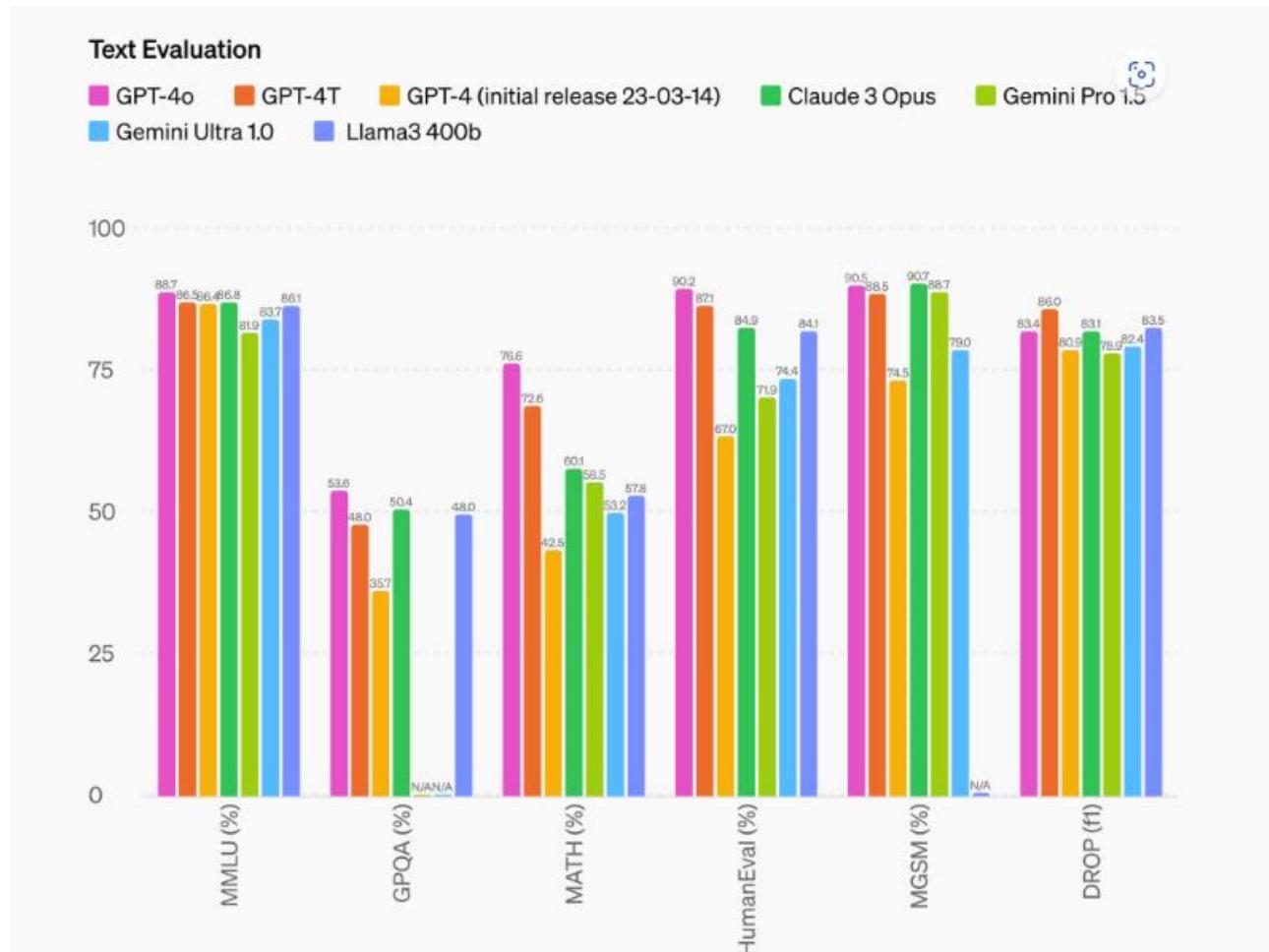
Most attractive quadrant

Size represents Input Price (USD per M Tokens)

GPT-4o GPT-4 Turbo GPT-3.5 Turbo Gemini 1.5 Pro Llama 3 (70B) Llama 3 (8B) Mistral Large
Mixtral 8x22B Mixtral 8x7B Mistral 7B Claude 3 Opus Claude 3 Haiku Command-R+ DBRX



Text Evaluation



OpenAI information

- *GPT-4o is our latest step in pushing the boundaries of deep learning, this time in the direction of practical usability. We spent a lot of effort over the last two years working on efficiency improvements at every layer of the stack. As a first fruit of this research, we're able to make a GPT-4 level model available much more broadly. GPT-4o's capabilities will be rolled out iteratively (with extended red team access starting today).*
- *GPT-4o's text and image capabilities are starting to roll out today in ChatGPT. We are making GPT-4o available in the free tier, and to Plus users with up to 5x higher message limits. We'll roll out a new version of Voice Mode with GPT-4o in alpha within ChatGPT Plus in the coming weeks.*
- *Developers can also now access GPT-4o in the API as a text and vision model. GPT-4o is 2x faster, half the price, and has 5x higher rate limits compared to GPT-4 Turbo. We plan to launch support for GPT-4o's new audio and video capabilities to a small group of trusted partners in the API in the coming weeks.*
- Source: [Hello GPT-4o | OpenAI](#)

Links

- Microsoft:
 - [Azure OpenAI Service models - Azure OpenAI | Microsoft Learn](#)
 - [Introducing GPT-4o: OpenAI's new flagship multimodal model now in preview on Azure | Microsoft Azure Blog](#)
- OpenAI:
 - [Introducing GPT-4o and more tools to ChatGPT free users | OpenAI](#)
 - [Spring Update | OpenAI](#)



Thank you