

What is ChatGPT Deep Research?

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ChatGPT has a powerful feature called Deep Research. It combines two recent developments of ChatGPT, the inference model and the ChatGPT Search function, to enable deep research on any topic you want. This is the kind of feature that has long been lauded as a revolutionary application of Artificial Intelligence (AI) .

OpenAI even called Deep Research "agentic". While AI agents are a hot topic right now, in this case, it simply means ChatGPT can browse the web on its own without any intervention from you. It does have a certain degree of autonomy, but it's still far from Skynet.

Let's explore how Deep Research works in the following article!

How does ChatGPT Deep Research work?

OpenAI's o3, o3-mini, and o1-mini inference models use chain reasoning to break down complex tasks into smaller, distinct steps. This allows them to solve far more complex logic, programming, and scientific problems: Instead of rushing to any seemingly logical answer, they can take the time to consider different options. While errors and erroneous reasoning are still possible, they make far fewer fundamental mistakes and can answer significantly more difficult questions than conventional large language models (LLMs) .

Deep Research uses a version of O3 specifically optimized for research and combines it with ChatGPT's web browsing capabilities. By combining a logical approach and problem analysis with web search capabilities, Deep Research can conduct in-depth research on any topic you choose, then compile a detailed report of its findings. Depending on the difficulty of the question, this process can take anywhere from 5 to 30 minutes. (Deep Research results can be several thousand words long).

What are you researching?

How has Harry Guinness' career and writing evolved over time? I know he started writing for Tuts+ and MakeUseOf in the 2010s, was at How-To Geek after that, but I'm not sure where he writes now. I need a summary of his career so far, and some examples of what he's working on at the moment.

+ Search Deep research ...

To generate these reports, Deep Research is capable of browsing dozens of websites, performing multiple web searches, aggregating statistics from various sources and performing statistical analysis on them, reviewing cited scientific literature, comparing multiple products, organizing data into tables for easy comparison, researching hard-to-find information, and generally conducting in-depth web searches, adjusting its search strategy as needed.

ChatGPT 4o

I'm looking for a D&D one-shot I played before. It was for a party of up to about six. Each character had their own secret mission. I played as some kind of old warrior whose secret mission was not to accept any healing as he wanted to die.

I can help you find this D&D one-shot! Do you recall any additional details, such as:

- The setting (e.g., fantasy city, dungeon crawl, wilderness expedition, etc.)?
- The tone (e.g., comedic, dark, heroic, mystery, etc.)?
- Any specific enemies or key NPCs involved?
- The name or rough time period when you played it?
- Whether it was an official module or a homebrew adventure?

Any extra details will help narrow it down!

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I think it was in a fantasy castle. The last monster was a dragon. It was official.

Got it! I'll look for an official D&D one-shot adventure set in a fantasy castle with a dragon as the final enemy. Each character had a secret mission, including one for an old warrior who refused healing in a bid to die. I'll find the name of this adventure and any available resources for you. I'll update you once I have the details!

Research completed in 12m - 19 sources

**It turns out you're describing the D&D Game *Dragon's Demand* (2013). This was an official one-shot adventure for D&D 5e. The plot is about a dragon who is about to be slain by a party of adventurers.

Ask anything

+ Search Deep research ...

ChatGPT can make mistakes. Check important info.

ChatGPT 4o

I have a theory that the average USD-Euro exchange rate for a given year correlates with the number of Oscar wins by any individual film that year. For example, at the 80th Academy Awards in 2008, *Mad Max: Fury Road* won 6 awards; the USD-EUR exchange rate was 1.3056. I need you to compile a report that tests this theory.

I can certainly test your theory! To ensure a robust analysis, could you specify:

- The time range for the analysis (e.g., 2000-present, 1990-2021, etc.)?
- Do you want the highest number of Oscar wins by a single film each year, or the total number of wins across all films?
- Should I use the annual average USD-EUR exchange rate, or a specific date like the day of the Oscars?
- Would you like any specific statistical tests or visualizations (e.g., correlation coefficient, scatter plot)?

Let me know these details, and I'll proceed with the analysis!

2000-present, highest number of wins by a single film, average exchange rate for the whole year, and I need a Pearson's R, a scatter plot, and a table with the results for each year.

Great! I'll gather the highest number of Oscar wins by a single film each year from 2000 to the present and compare it to the average annual USD-EUR exchange rate for the same period. I will compute Pearson's correlation coefficient (R), generate a scatter plot, and provide a table with yearly results. I will update you once the analysis is complete.

Mapping out analysis 40 sources

Ask anything

+ Search Deep research ...

ChatGPT can make mistakes. Check important info.

Share

Activity 19 Sources

Official D&D One-Shot Adventure with Secret Missions and Dragon Boss

I'm mapping out a specific Dungeons & Dragons one-shot adventure, highlighting elements like a fantasy castle, a dragon final encounter, secret missions for each character, and a unique mission involving an old, defiant warrior.

I'm considering "The Dragon's Demand" from Pathfinder, though it's irrelevant for D&D 5e. Shifting focus, I'm looking into other specific D&D scenarios involving a castle, dragon, secret missions, and a determined warrior.

Searched for D&D one-shot dragon mission

I'm rethinking the strategy after a search query didn't yield results.

Searched for old warrior refuses healing mission

The user is suggested to refine their query for more precise assistance, though the current question seems unhelpful.

Searched for one-shot castle dragon mission

Checking the first result on Reddit for its potential significance.

Read reddit.com

The thread opens with a vivid concept: an ancient dragon, hidden in plain sight, orchestrates subtle transformations at a local castle through a stealth mission.

Read more from reddit.com

I'm thinking about official D&D adventures.

Share

Activity 40 Sources

OK, let's break down the 79th Academy Awards (2007) for Best Picture: "The Departed" secured 4 wins, while "Pan's Labyrinth" and "Crash" each captured 3 and 2 wins.

Read more from en.wikipedia.org

I'm noting that "No Country for Old Men" won 4 awards at the 80th Academy Awards in 2008, and "The Bourne Ultimatum" got 4, setting the bar for the highest wins at 4.

Read more from en.wikipedia.org

OK, let's look at the 81st Academy Awards in 2009, where "Slumdog Millionaire" scored 8 Best Picture Oscars.

Read more from en.wikipedia.org

I'm piecing together the 2010 Oscar ceremony's top winner, "The Hurt Locker" with 4 awards, progressing through the ceremony's highlights.

Read more from en.wikipedia.org

I'm noting the winners of the 82nd Academy Awards and their top awards. The award recognized films from 2010, with "The Hurt Locker" winning 8 awards.

Read more from en.wikipedia.org

The 84th Oscars featured "The Artist" and "Hugo" leading with 5 awards each.

Read more from en.wikipedia.org

I'm looking at the 84th Oscars, where "The Artist" and "Hugo" snagged five awards. Moving to 85th, "Life of Pi" stands out with four wins.

Read more from en.wikipedia.org

I'm curious about the 2013 Oscars, where "Life of Pi" took home 4 awards. Moving to 2014, "Gravity" won 7.

Read more from en.wikipedia.org

In the 2015 Oscars, "Spotlight" and "The Grand Budapest Hotel" each bagged four

Note : While you can upload files and images to Deep Research for additional context, it doesn't seem to account for them in the research process. And although it will soon have the ability to create charts and visualizations of data.

How to create a ChatGPT Deep Research prompt

Since they weren't professional prompt designers, many people decided to ask Deep Research the best way to set up a prompt for it. This is the template that Deep Research's ChatGPT provided.

Deep Research template

Title : [Brief title and description]

Context : [Provide background information on the topic. Why is this research important? What specific aspect do you want to explore?]

Research focus :

1. **Main question** : [List the specific questions you would like answered]
2. **Comparison** : [If applicable, please mention any comparisons you require]
3. **Data/Criteria** : [Any key factors you wish to consider, such as cost, effectiveness, adoption rate, etc.]

Scope :

1. **Timeframe** : [e.g., past 5 years, future forecast]
2. **Geographic focus** : [e.g., Global, United States only, Europe]
3. **Industry/Field** : [e.g., Finance, Healthcare, Technology]

Preferred format : [e.g., report, table, summary, list of key points]

Preferred sources : [e.g., academic articles, government reports, industry case studies]

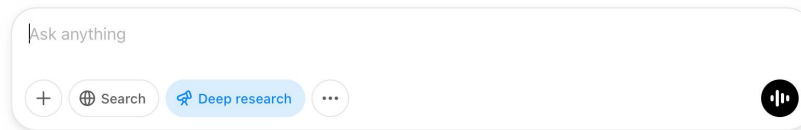
Language : [Specify if you wish to study in a specific language]

Instructions for using ChatGPT Deep Research

To use ChatGPT Deep Research, you need to be a subscriber to ChatGPT Plus , ChatGPT Teams, ChatGPT Enterprise, ChatGPT Education, or ChatGPT Pro . ChatGPT Pro subscribers currently receive 120 Deep Research queries per month; other subscribers receive 10 queries.

1. Log in to ChatGPT or the ChatGPT app.
2. Select **Deep Research** below the question input field.

What are you researching?



A screenshot of a search interface. At the top, there is a text input field with the placeholder text "Ask anything". Below the input field, there are four buttons: a plus sign (+), a globe icon labeled "Search", a blue button with a magnifying glass icon labeled "Deep research", and a three-dot menu icon (⋮). On the far right of the interface, there is a black circular button with a white microphone icon.

1. Enter your prompt.

ChatGPT may ask some additional questions, and then conduct the research. Depending on the complexity of the query, it can take anywhere from 5 to 30 minutes to complete.

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