

Using chat GPT for  
running, writing, and learning R

# Utility in scientific programming

I have found ChatGPT to be useful for tons of applications in my research:

- Aiding in getting started for projects and writing example code
- Troubleshooting errors that arise in my scripts
- Explanations of how different functions work
- Generating simulated datasets to test code

In addition to these, you can also use ChatGPT to recommend statistical methods to use for your data analysis. **However it's important to provide as much information about the nature of your data (distribution, variance, type, number of factors) to get an appropriate recommendation. Weigh answers with scientific mind about this and test assumptions appropriately.**

# Warnings

ChatGPT is a constantly learning language model that does pull from all publicly available sources.

- **Fabrication**

- Errors do occur in the responses from this tool, especially for responses drawn from academic literature as many of these articles are not accessible behind their journal paywalls.
- Some language models are prone to generating nonsensical “hallucinations”

## ChatGPT: US lawyer admits using AI for case research

🕒 4 days ago



REUTERS

| ChatGPT can answer questions using natural, human-like language and mimic other writing styles

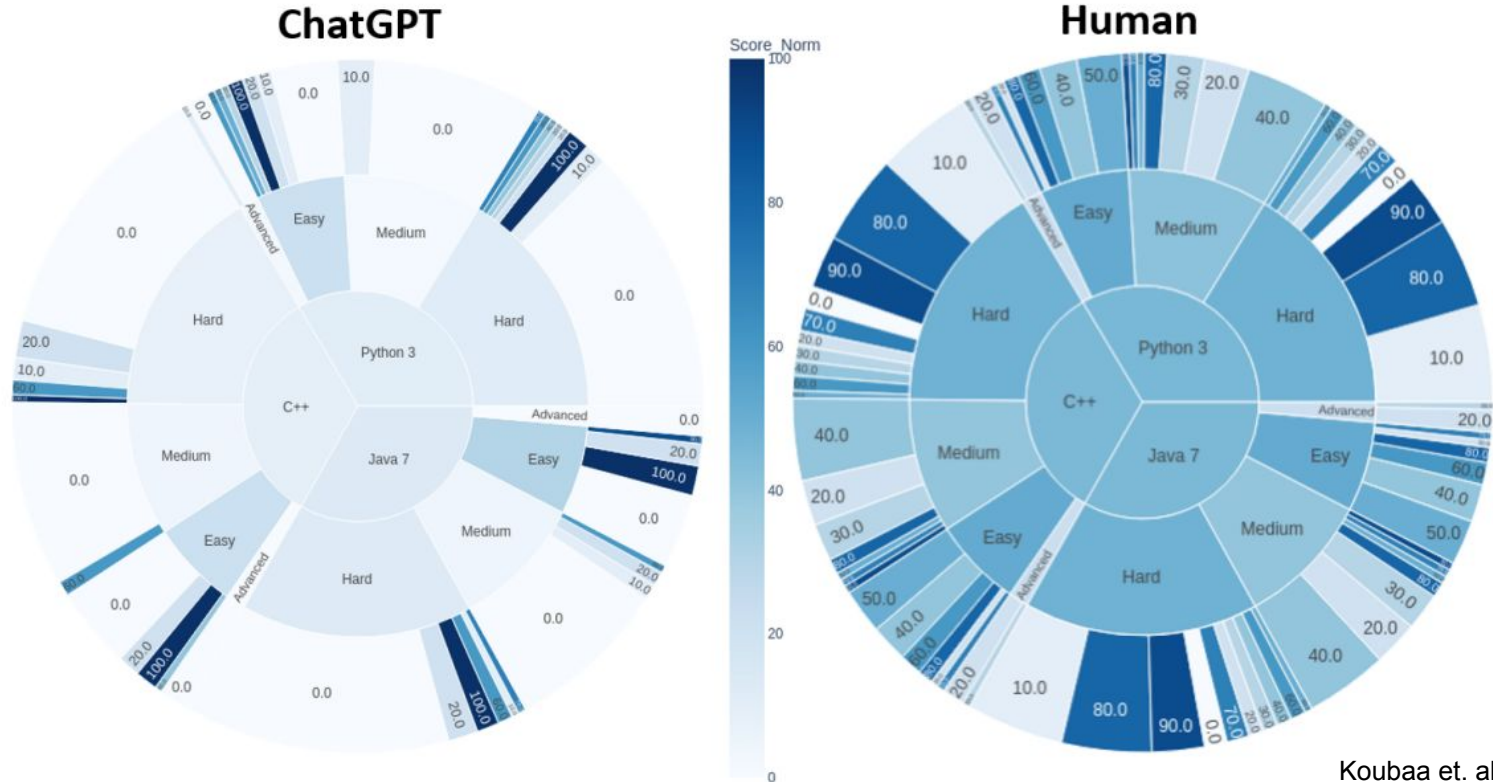
<https://www.bbc.com/news/world-us-canada-65735769>

# Warnings

ChatGPT is a constantly learning language model that does pull from all publicly available sources.

- **Privacy**
  - ChatGPT use your questions as part of its training data, so **do not divulge any sensitive personal research information** in your queries. Keep in mind that you can still reach a solution by generalizing the format and information present in your dataset.

# Warnings- Varied accuracy for different languages



# Simple example using well documented, tidyverse query

Web example + workbook

<https://chat.openai.com/?model=text-davinci-002-render-sha>