

# LLMs as data analyst

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## Contents

<b>1 Cheng, L., Li, X., &amp; Bing, L. (2023). Is GPT-4 a Good Data Analyst? [?]</b>	<b>1</b>
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## **1 Cheng, L., Li, X., & Bing, L. (2023). Is GPT-4 a Good Data Analyst? [?]**

This papaer talked about comparing GPT-4's performance of data analysis to actual data analyst. Their GPT-4 as data analyst's experiment framework:

1. code generation (for data collection and data visualization)
2. code execution
3. analysis generation (for data analysis)

They used nvBench dataset to evaluate their experiments. Their evaluation metrics include figure evaluation (information correctness, chart type correctness, aesthetics) and analysis evaluation (correctness, alignment, complexity, fluency).

Although they found that GPT-4 perfomances are comparable to human data analysts, GPT-4 still suffer from hallucination or poor calculation accuracy.