CHATGPT AND DATA ANALYTICS
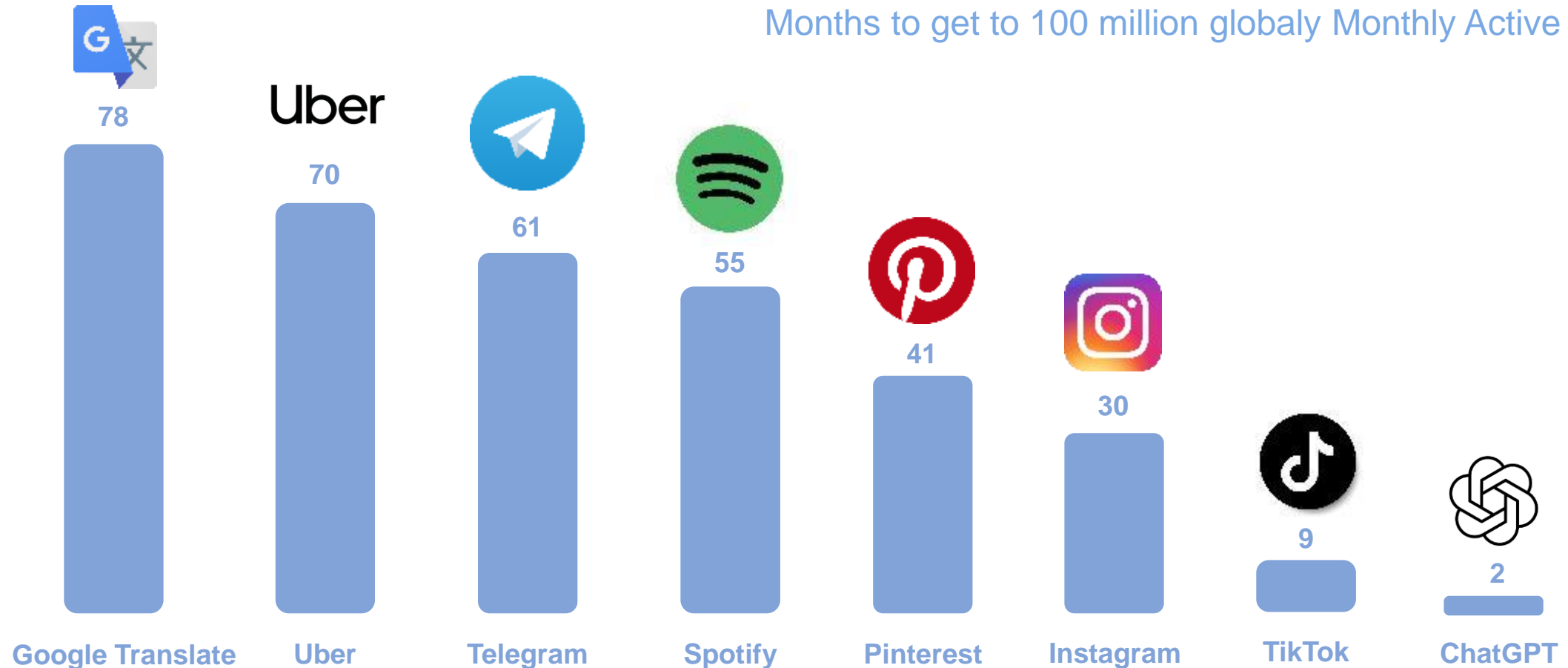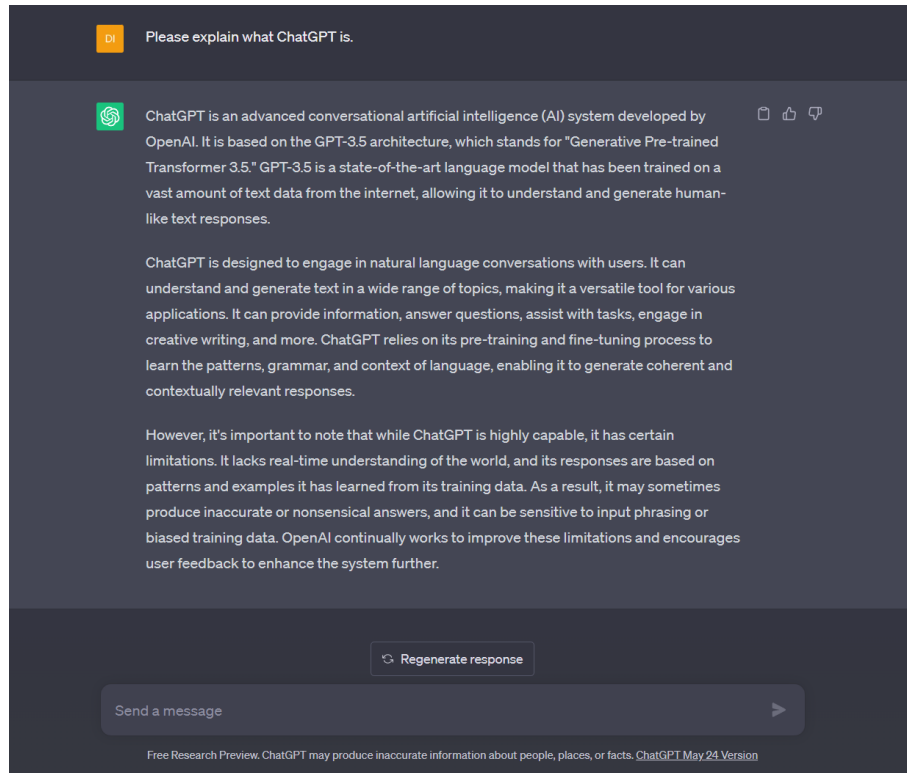
TIME TO 100 MILLION USERS

Months to get to 100 million globaly Monthly Active Users

Source: App Economy Insights (https://twitter.com/EconomyApp/status/1622029832099082241)

CHATGPT IS AN AI PUBLISHED BY OPENAI WHICH INTERACTS IN A CONVERSATIONAL WAY

- Based on GPT-3.5 (GPT-4.0 in premium available)
- capable of answering questions, writing code, and providing suggestions
- ChatGPT is able to remember what the user said during the conversation and respond to follow-up questions

Access for free at: https://chat.openai.com/

CHATGPT IS BASED ON LARGE LANGUAGE MODELS

Definition

Large language models (LLMs) are a class of **machine learning models** that are trained to **predict** the **likelihood of a sequence of words**, given a **preceding context**. These models are based on the concept of language modelling, where the goal is to estimate the probability distribution of words in a given language (Glauben, A 2023).

Text Input

LLMs

Text Output

HOW TO USE CHATGPT FOR DATA ANALYTICS

ChatGPT is able to…

- write and recommend code.
- write code documentation.
- describe logic in functions.
- find errors in existing code.

But also to…

- give information on statistical methods
- letting you know which method fits best for a given data set.
- support you at brainstorming.

How to calculate time difference in excel between two columns in the format "hh:mm"

To calculate the time difference in Excel between two time values in the format "hh:mm," you can use the following formula:

```scss
=IF(B1>A1, B1-A1, 1-(A1-B1))
```

DI | For what kind of data do I use am ANOVA?

ANOVA is used to analyze data where you have a categorical independent variable (or multiple categorical independent variables) and a continuous dependent variable. The categorical independent variable divides the data into different groups, and you want to determine if there are significant differences in the means of the dependent variable across these groups.

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HOW TO USE CHATGPT FOR DATA ANALYTICS

Prompting

- Describe your problem
- Give as much information as necessary
- Define the wished outcome

Understanding

Try to understand the Outcome:
- Read the explanation you receive
- Take a look at the code

Testing & Error Handling

- Test the given outcome
- If errors appear write a new prompt referring to the error