

Let's See if Chat GPT Understands Logic and Basic Math

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All examples were generated using <https://chat.openai.com>

1

R You

350 applicants apply for a data science job. 20% of them are not eligible. From the ones that are eligible 20 candidates have already accepted another job. How many candidates remain to choose from and interview?

2

Let's See Chat GPT Can do this too.

ChatGPT

1. **Total Applicants:** 350
2. **Not Eligible (20%):** 20% of 350 = 70 applicants are not eligible.
3. **Eligible Applicants:** 350 - 70 = 280 applicants are eligible.
4. **Applicants Who Accepted Another Job:** 20

Now, we subtract the ones who accepted another job from the eligible applicants:

After accounting for the eligible candidates and those who have accepted another job, there are 260 candidates remaining to choose from and interview for the data science position. [-]

Impressive!

3

Generate a photo of exactly 5 baby pandas.



Impressive!

4

Great, show these 5 pandas on a tree.



5

How many pandas are on the tree?

R You
How many pandas are on the tree?

ChatGPT
In the image, there are five baby pandas on the tree. Each panda is engaged in different activities, adding to the dynamic and playful scene.

6

Can you add 3 more pandas?



Wow!

7

How many pandas are on the tree now?

R You
How many pandas are on the tree now?

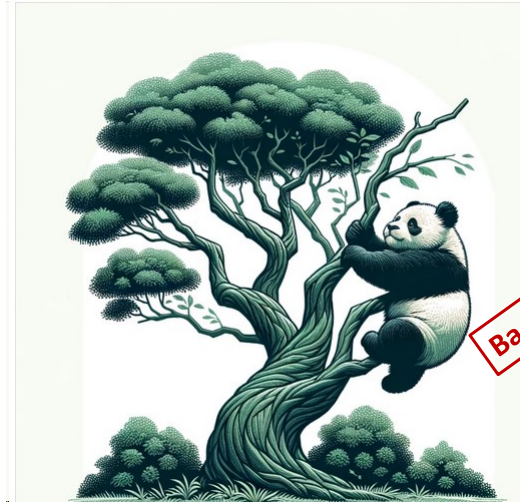
ChatGPT
In the newly generated image, there are eight baby pandas on the tree, each engaging in different playful activities.



What's happening?

8

Great, now remove all pandas except one of them.



9

What do we learn from this?

- Chat GPT can do simple math and logic based on textual input.
- Not so good when text and image are combined.
- Learning from both is called multi-modal learning.
- We humans are good at **multi-modal** learning from a **single** example.
- Multi-modal learning is an active area of AI.
- This opens many exciting areas to work on for future data scientists.

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