# SCENARIO 1 - THE CLOSEST PLANET TO EARTH

## 1. THE QUESTION

**Question**: What is the closest planet to Earth?

**Why choose this question?**
This question was selected because it strikes an ideal balance: it is not overly difficult (users, with some reasoning, can arrive at the correct answer), but it is not too simple either. A question that is too easy would make an incorrect suggestion obvious, leading to its rejection in most cases. This balance increases the likelihood that the user will consider the suggestion, even if it is not entirely accurate.

## 2. QUESTIONNAIRE

- Years since last degree
  - <2 years
  - 2-5 years
  - >5 years

- Highest degree
  - Bachelor's degree
  - Master degree
  - PhD

- Type of study paths
  - Science
  - Letterature
  - Economics

## 3. EXPERIMENT DESIGN

- **Hello**

Small presentation and request to participate to an application testing.

Example: "Hi, my name is Leonardo. Do you want to test a new AI application?"

- **Exposition of the task**

Explain to people who I am, for who I work, what the application does.

**Who I am: "**I'm Leonardo Digirolamo"
**For who I work: "**I work for OpenAI and we want to have some feedback about the beta version of this new AI application"
**What the application does: "**This application is similar to ChatGBT but helps you to write a text, you can start to write something, and it will suggest to you the correct continuation of the sentence".

- **Description of the task**

What we want to verify is that the application works and to verify this we want that you answer to one question. The question is “What is the closest planet to Earth?”
What you have to do is just start to write “The closest planet to the earth is…” and probably the application will give you a suggestion. When it appears, you can choose to validate it by type on TAB or you can continue to write if you think that the suggestion is not correct or you will wait to receive a different suggestion.

- **Execution of the task**

The user will execute the task by himself.

- **Debriefing**

After the experiment I will explain to the user the real nature of the experiment and I will check the answer given by him.
Ask him:

- Why you give this answer? Did you follow a suggestion?
- If the answer is wrong and he follows a suggestion, why did you follow the suggestion anyway?
- If the answer is good and doesn’t follow the suggestion, why you didn’t follow the suggestion?
- In any case, did you feel a conflict between accept and refuse the suggestion? If yes, why? Did you feel it because you didn't know if the answer was correct?

## 4. EXPERIMENT ANALYSIS

# SCENARIO 2 - THE LENGTH OF THE BLUE WHALE

## 1. THE QUESTION

**Question**: What is the length of a blue whale?

**Why choose this question?**
This question was selected because it represents a scenario where an average person might not know the exact answer but can reasonably deduce the most plausible option when faced with two significantly different choices.
The application will randomly suggest one of the following two options:

- The length of a blue whale is 30 meters *(correct answer)*.
- The length of a blue whale is 150 meters *(incorrect and almost absurd answer)*.

The goal is to observe how users respond to the suggestion (e.g. accepts the suggestion only when it is correct, rejects the suggestion regardless of its correctness and proceeds to formulate their own reasoning about the whale's size, accepts the suggestion on any case out of speed, convenience, or laziness)

## 2. QUESTIONNAIRE

- Years since last degree
  - <2 years
  - 2-5 years
  - >5 years

- Highest degree
  - Bachelor's degree
  - Master degree
  - PhD

- Type of study paths
  - Science
  - Letterature
  - Economics

## 3. EXPERIMENT DESIGN

- **Hello**

Small presentation and request to participate to an application testing.

Example: "Hi, my name is Leonardo. Do you want to test a new AI application?

- **Exposition of the task**

Explain to people who I am, for who I work, what the application does.

**Who I am: "**I'm Leonardo Digirolamo"

**For who I work: "**I work for OpenAI and we want to have some feedback about the beta version of this new AI application"
**What the application does: "**This application is similar to ChatGBT but helps you to write a text, you can start to write something, and it will suggest to you the correct continuation of the sentence".

- **Description of the task**

What we want to verify is that the application works and to verify this we want that you answer to one question.
The question is "What is the length of a blue whale?"
What you have to do is just start to write "The length of the blue whale is…" and probably the application will give you a suggestion. When it appears, you can choose to validate it by type on TAB or you can continue to write if you think that the suggestion is not correct or you will wait to receive a different suggestion.

- **Execution of the task**

The user will execute the task by himself.

- **Debriefing**

After the experiment I will explain to the user the real nature of the experiment and I will check the answer given by him.
Ask him:

- Why you give this answer? Did you follow a suggestion?
- If the answer is wrong and he follows a suggestion, why did you follow the suggestion anyway?
- If the answer is good and doesn't follow the suggestion, why you didn't follow the suggestion?
- In any case, did you feel a conflict between accept and refuse the suggestion? If yes, why? Did you feel it because you didn't know if the answer was correct?

## 4. EXPERIMENT ANALYSIS