

Noise in the Data

Directions: Read each noisy example carefully. Noise can be **misspellings, contradictions, or confusing details**. Circle the best answer for how an AI might misinterpret it.



1) Input Text: "The capitel of Frnace is Pari."

How might an AI misinterpret this?

- A. It might not recognize "Frnace" and give a random country.
- B. It might guess correctly that "Frnace" means "France" and "Pari" means "Paris."
- C. It might claim the capital of France is London.
- D. It might ignore the errors completely.

2) Input Text: "George Washington was born in 1732. He was the 16th president of the United States."

How might an AI misinterpret this contradiction?

- A. It might assume the text is fully correct and repeat the false claim that Washington was the 16th president.
- B. It might reject all of the information as fake.
- C. It might explain the contradiction and correct it.
- D. It might ignore Washington and talk about Abraham Lincoln.

3) Input Text: "The Nile River is the longest river in the world, but it is also shorter than the Amazon River."

How might an AI misinterpret this?

- A. It might always choose the second claim as true.
- B. It might always choose the first claim as true.
- C. It might repeat both claims, leaving the contradiction unresolved.
- D. It might combine the two and say the Nile is both longest and shortest.

4) Input Text: "The inventer of the telephoen was Alexander Gram Bell."

How might an AI misinterpret this noisy spelling?

- A. It might not recognize the name and claim someone else invented the telephone.
- B. It might correctly recognize the misspellings and still give "Alexander Graham Bell."
- C. It might say the inventor was Thomas Edison because of confusion with electricity.
- D. It might think "Gram" refers to a unit of measurement.

5) Input Text: "Dogs are reptiles that give live birth and feed their young with milk."

How might an AI misinterpret this?

- A. It might ignore the biology and just describe dogs as pets.
- B. It might correct the text and explain that dogs are mammals.
- C. It might become confused and say dogs are both reptiles and mammals.
- D. It might believe dogs are reptiles and repeat that error.