Aboubakr Belkaid University of Tlemcen. (2024/2025).

Faculty of Sciences Master, all specialties

Mathematics department Technical English

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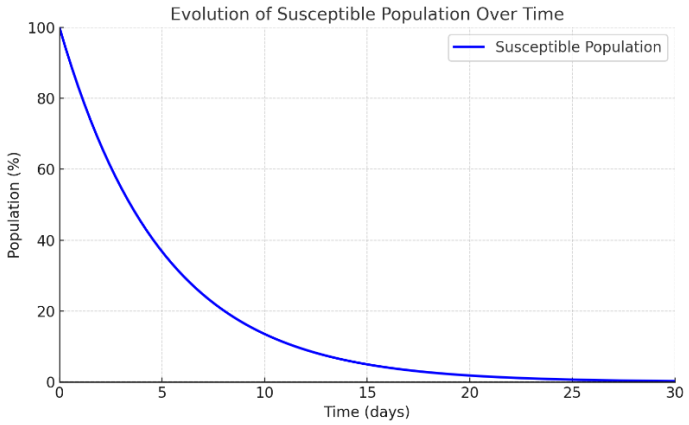
Lesson N°2 : Improve reading skill

Analyzing a Scientific Graph

Here is a simple graph :



Guiding Questions for Description:

1. **Basic Observation:**

What does the graph represent?

- *"The graph shows the percentage of susceptible individuals over time." Or "This curve indicates the susceptible population evolution over time".*

2. **Axis Descriptions:**

What does the X-axis represent?

- ***" X-axis values range from 0 to 30 days. It represents time in days."***

What does the Y-axis represent?

- ***" Y-axis values range from 100% to 0%. It represents the percentage of susceptible individuals."***

3. **Curve Analysis:**

How does the population of susceptibles change over time?

- ***"It decreases rapidly at first and then stabilizes." Or "A rapid decrease followed by stabilization".***

4. **Interpretation:**

What might explain the rapid decrease in the susceptible population?

- ***"This could be due to an infection spreading quickly among the population."***

5. **Summary:**

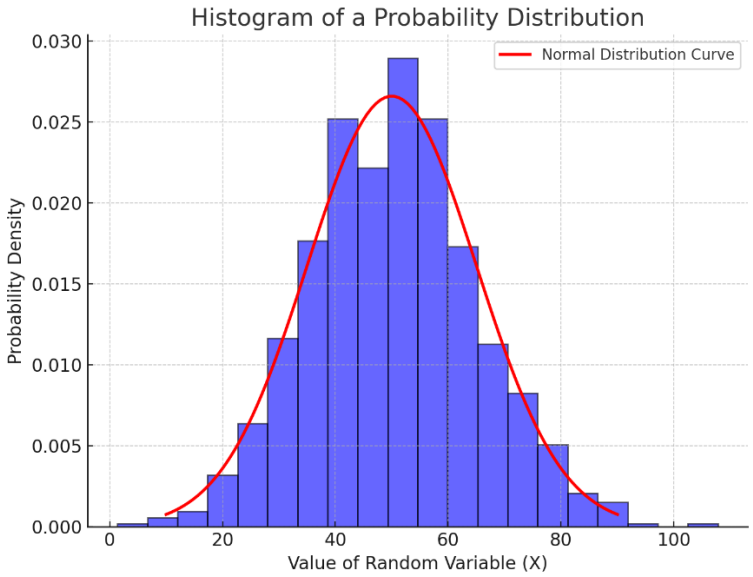
Can you summarize the main trends in one sentence?

- ***The graph illustrates a sharp decline in the susceptible population during the first 15 days, dropping from 100% to approximately 10%, followed by a stabilization phase. In the subsequent days, up to day 30, the population remains below 10%.***

TD N°2 : Improve reading skill

Analyzing a Probability-Statistics Graph

Here is a probability-statistics graph:



Guiding Questions for Description:

1. Basic Observation:

- **What does the graph represent?**

2. Axis Descriptions:

- **What does the X-axis represent?**

- **What does the Y-axis represent?**

3. Curve or Histogram Analysis:

- **How is the probability distributed?**

4. Interpretation:

- **What does the shape of the graph tell us about the dataset?**

5. Summary:

- **Can you summarize the main trends in one sentence?**