



Worksheet 1: What is the Data Telling Us?

Part A – Look Before You Think

Look at the chart below (refer to *Tab 2 of the Excel file – Air Pollution in Skopje*) and before doing anything else, write down **3 things you simply notice**. Not conclusions, just observations.

1. _____
2. _____
3. _____

Part B – Understanding the Basics

Answer these questions about the chart:

1. What is being measured? _____
2. What time period does the data cover?

3. Where does this data come from? Is it a reliable source? Why do you think so?

4. What is the highest value in the data? When did it occur?

5. What is the lowest value? When did it occur?



Worksheet 1: What is the Data Telling Us?

Part C — Reading the Trend

1. In your own words, describe what is happening in this data over time. Is it going up, going down, or is it more complicated than that?

2. Are there any years where something unusual happened — a sudden jump or drop? Write a possible explanation here:

3. Draw a simple sketch of the trend you see (no need to be precise — just the shape of it):





Worksheet 1: What is the Data Telling Us?

Part D – From Numbers to People

This is where data becomes a story.

1. Who do you think is most affected by the pollution levels shown in this data? Think about specific groups of people.

2. Imagine a person living in Karposh during the year with the highest pollution. Write 2-3 sentences describing how this data might affect their daily life:

3. What is one thing this data does NOT tell you that you would want to know?



Worksheet 1: What is the Data Telling Us?

Part E — Think Critically

1. Could this data be misused or misread? Give one example of how someone might present this data misleadingly:

2. Would you trust this data enough to make a decision based on it — for example, choosing where to live? Circle your answer and explain:

YES / NO / MAYBE

Because: _____

Wrap-up — One Sentence Summary

Complete this sentence:

"This data shows that _____, which matters because _____."