

LESSON 30 WORKBOOK

AI Data Analysis

Module 4: Advanced AI Skills

Name		Date	
Data Analysis Project		Status	■ Not Started ■ In Progress ■ Complete

Lesson Purpose

Learn how AI can help collect, clean, analyze, visualize, and interpret data to support better business decisions, research, marketing, and productivity.

Before You Begin

- I completed Lesson 29.
- I understand basic spreadsheets or data tables.
- I will verify AI-generated insights before making decisions.

My Main Goal

Exercise 1

List five ways AI can help analyze data faster and more accurately.

Exercise 2

Choose a small dataset (sales, website traffic, expenses, or survey results) and describe the insights AI could generate.

Exercise 3

Explain how AI can identify trends, patterns, opportunities, and potential problems from data.

Practical Data Analysis Activity

Use an AI assistant to summarize a dataset, identify trends, create recommendations, or explain the meaning of charts and tables. Record the prompts used, the findings, and your conclusions.

Prompt Practice

Prompt: "Act as a data analyst. Analyze this dataset, summarize the key findings, identify trends and outliers, suggest visualizations, and recommend actions based on the results."

Key Takeaways

My Practical Action Step

Reflection

Completion Checklist

- Completed all workbook exercises.
- Used AI to analyze data.
- Verified AI insights before making decisions.
- I am ready for Lesson 31.

Next Step

Continue to **Lesson 31 – AI Workflow Automation**.