

Team Member Roles and Contributions

Ahmed tamer (23-101116) : Data Collection, Preprocessing & Poster Design

- **Sourced and cleaned the student habits dataset.**
- **Reconstructed survey questions from dataset columns.**
- **Wrote the Survey Design and Survey Questions / Collected Data sections.**
- **Designed the final project poster summarizing key findings, graphs, and conclusions for presentation**

Belal nasr (23-101061) : Exploratory Data Analysis & Visualization

- Conducted descriptive statistical analysis.
- Created plots (e.g., bar plots, scatter plots, violin plots) to visualize trends.
- Generated key visualizations such as:
 - Exam Score vs Study Hours
 - Exam Score vs Social Media Use
 - Exam Score by Gym Attendance
- Demo video

Yousef khafagy (23-101226): Statistical Testing & Interpretation

- Selected appropriate statistical tests (t-tests, ANOVA, correlations).
- Performed hypothesis testing on key variables:
 - Study Hours vs Exam Score
 - Diet Quality vs Exam Score
 - Part-Time Job vs Exam Score
- Wrote the **Hypothesis Testing Steps** and **Hypothesis Tests – Conclusions**.

Yousef atwa (23-101295): Report Compilation & Conclusions

- Integrated all content into a cohesive and professional report format.
- Wrote the **Analysis & Visualization Summary** and **Graph Descriptions**.and dataset description.
- Wrote the **Introduction**, **General Conclusion**, and **Potential Issues** sections.
- Ensured clarity, consistency, and proper formatting.
- Reviewed the report for completeness and quality.