

Lab Assignment

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Kcabis/Python

Data Analysis

Objective:

Perform basic data analysis using spreadsheet software and visually present findings through graphical representations.

Task:

Perform simple data analysis on the provided dataset. Carry out the specified calculations and represent the results visually using appropriate charts or graphs.

Instructions:

ID	Age	Distance (km)	Time (mins)	Favorite Shoe Brand	Calories Burned
1	17	5.5	35	Nike	350
2	15	3.2	21	Adidas	200
3	16	3.2	25	Puma	210
4	15	8.1	58	Adidas	600
5	17	5.5	44	Puma	400
6	16	6.2	32	Nike	550
7	15	3.2	31	Skechers	250

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- Calculate the statistical measures
 - For the Distance (km), calculate the Mean, Median, and Range.
 - For the Time (minutes), calculate the Mean and the Mode.
 - Identify the maximum and minimum values in the Calories Burned column.
- Represent the data using appropriate charts or graphs for the Favorite Shoes Brand.

Tools Required:

- Microsoft Excel for figuring out present findings graphically.

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