

Lab-8 Data Representation in Statistics

Lab-1: Visualizing Data with Bar Charts

Question:

A survey was conducted to find the favorite genres of movies among 50 people. The results are as follows:

Genre	Number of People
Action	15
Comedy	12
Drama	10
Horror	8
Sci-Fi	5

1. Represent this data using a **bar chart**.
2. Explain how the bar chart helps in understanding the preferences.

Lab-2: Summarizing Data with Pie Charts

Question:

A company's expense distribution for a project is as follows:

Category	Expense (\$)
Salaries	50,000
Equipment	20,000
Marketing	15,000
Research	10,000
Miscellaneous	5,000

1. Represent this data using a **pie chart**.
2. Explain how the pie chart helps to visualize the proportion of each expense category.