

```
library(readr)

# Read the CSV file into a dataset
dataset <- read.csv("D:/8 sem/R lab/Financial.csv")

str(dataset)
head(dataset)

# Summarize basic statistics for numerical variables
summary(dataset)

# Subset the data based on a condition
#subset_data <- dataset[dataset$Data_value > 50, ]

# Create a new variable or column
#dataset$new_variable <- dataset$old_variable * 2

# Filter the data based on specific criteria
#filtered_data <- subset(dataset, Value == "Value")

# Calculate mean, median, and standard deviation for a numeric column
mean_value <- mean(dataset$new)
median_value <- median(dataset$new)
sd_value <- sd(dataset$new)

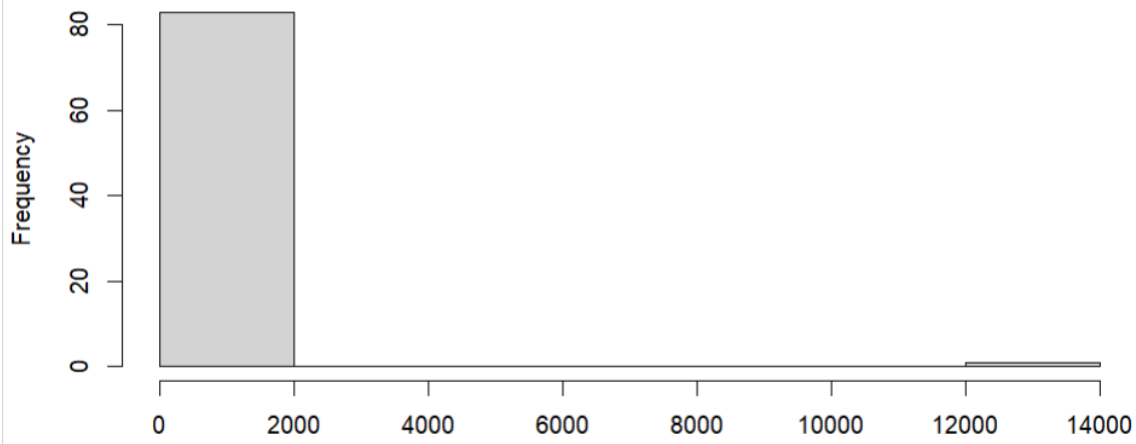
# Tabulate frequencies for categorical variables
table(dataset$old)

# Create a histogram for a numeric variable
hist(dataset$new, main = "Distribution of Numeric Column", xlab = "6")

# Create a bar plot for a categorical variable
barplot(table(dataset$old, main = "Frequency of Categories"))
```

```
> head(dataset)
  Year Industry_aggregation_NZSIOC Industry_code_NZSIOC Industry_name_NZSIOC
Units
1 2021 Level 1 99999 All industries Dollars
(millions)
2 2021 Level 1 99999 All industries Dollars
(millions)
3 2021 Level 1 99999 All industries Dollars
(millions)
4 2021 Level 1 99999 All industries Dollars
(millions)
5 2021 Level 1 99999 All industries Dollars
(millions)
6 2021 Level 1 99999 All industries Dollars
(millions)
  Variable_code Variable_name Variable_category
Value
1 H01 Total income Financial performance
7,57,504
2 H04 Sales, government funding, grants and subsidies Financial performance
6,74,890
3 H05 Interest, dividends and donations Financial performance
49,593
4 H07 Non-operating income Financial performance
33,020
5 H08 Total expenditure Financial performance
6,54,404
6 H09 Interest and donations Financial performance
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```

Distribution of Numeric Column



Frequency of Categories

