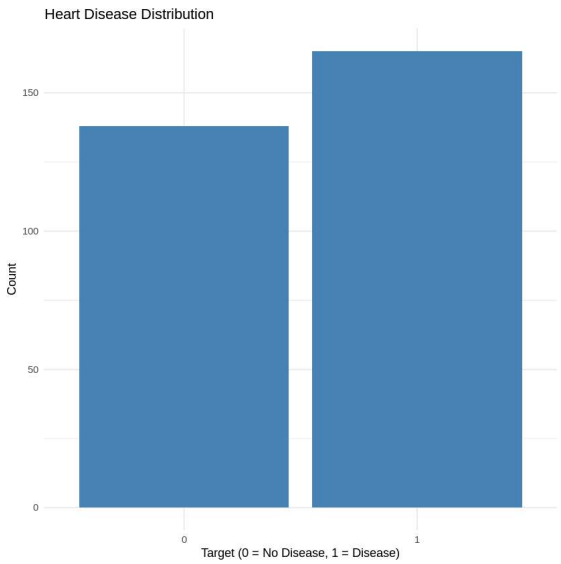
```
# Step 1: Install ggplot2 (only once)
install.packages("ggplot2")
```

```
Installing package into ‘/usr/local/lib/R/site-library’
(as ‘lib’ is unspecified)
```

```
# Step 2: Load libraries
library(ggplot2)


url <- "https://raw.githubusercontent.com/mrdbourke/zero-to-mastery-ml/master/data/heart-disease.csv"
df <- read.csv(url)


mean_age <- mean(df$age, na.rm = TRUE)
median_age <- median(df$age, na.rm = TRUE)
var_age <- var(df$age, na.rm = TRUE)

cat("===== Statistics for Age =====\n")
cat("Mean Age:", mean_age, "\n")
cat("Median Age:", median_age, "\n")
cat("Variance of Age:", var_age, "\n")
```

```
===== Statistics for Age =====
Mean Age: 54.36634
Median Age: 55
Variance of Age: 82.48456
```

```
# Step 5: ggplot Bar Chart (Target variable distribution)
ggplot(df, aes(x = factor(target))) +
  geom_bar(fill = "steelblue") +
  labs(title = "Heart Disease Distribution",
       x = "Target (0 = No Disease, 1 = Disease)",
       y = "Count") +
  theme_minimal()
```



Start coding or generate with AI.