# Create vectors

Name <- c("Jeb", "Donald", "Ted", "Marco", "Carly", "Hillary", "Bernie")

ABC\_poll <- c(4, 62, 51, 21, 2, 14, 15)

CBS\_poll <- c(12, 75, 43, 19, 1, 21, 19)

# Combine into a data frame

df\_polls <- data.frame(Name, ABC\_poll, CBS\_poll)

# Inspect structure and preview data

str(df\_polls)

head(df\_polls)

# Compute summary statistics

mean\_ABC <- mean(df\_polls$ABC\_poll)

mean\_CBS <- mean(df\_polls$CBS\_poll)

median\_ABC <- median(df\_polls$ABC\_poll)

median\_CBS <- median(df\_polls$CBS\_poll)

range\_values <- range(df\_polls[, c("ABC\_poll","CBS\_poll")])

# Add difference column

df\_polls$Diff <- df\_polls$CBS\_poll - df\_polls$ABC\_poll

# Print summary

summary(df\_polls)

# Load ggplot2 for visualization

library(ggplot2)

# Create a bar chart comparing polls

ggplot(df\_polls, aes(x = Name)) +

geom\_bar(aes(y = ABC\_poll, fill = "ABC"), stat = "identity", position = "dodge") +

geom\_bar(aes(y = CBS\_poll, fill = "CBS"), stat = "identity", position = "dodge") +

labs(title = "Poll Comparison by Candidate",

y = "Poll Percentage", x = "Candidate") +

scale\_fill\_manual(values = c("ABC" = "skyblue", "CBS" = "orange")) +

theme\_minimal()