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# Install necessary packages if not already installed
install.packages("corrplot")
install.packages("ggplot2")

# Load libraries
library(corrplot)
library(ggplot2)

# Load the iris dataset
data(iris)

# Select only the numeric columns for correlation
iris_numeric <- iris[, 1:4]

# Calculate the correlation matrix
cor_matrix <- cor(iris_numeric)

# Plot the correlogram
corrplot(cor_matrix, method = "circle", type = "full",
         tl.col = "black", tl.srt = 45,
         title = "Correlation Matrix for Iris Dataset",
         mar = c(0,0,1,0))
```