#Author: Winfield, Date: 02/20/2025, Purpose: Test the correlation analysis

library("ggpubr")

#Loading a dummy dataset'

my\_data<-mtcars

# Create a correlation hypothesis

#weight of the car is inversely proportional to the miles per gallon traveled by the car

ggscatter(my\_data, x = "mpg", y = "wt", add = "reg.line", conf.int = TRUE, cor.coef = TRUE, cor.method = "pearson", xlab = "Miles/(US) gallon", ylab = "Weight (1000 lbs)")