# Assignment1

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## Question1

the average price of these six bottles of wine : 16.68333

A picture containing logo

Description automatically generated

what the dataset looks like in R-studio

Table

Description automatically generated

average price of the 60 bottles of wine:

A picture containing icon

Description automatically generated

average price of the white wine is 14.605 and of the red wine is 20.027

A picture containing graphical user interface

Description automatically generated

## Quetstion2

Chart, histogram

Description automatically generated

Comment: The histogram looks normal distributed but there is a slightly skewed on the left, with the most frequency between price 15-20 and the least frequency between price 5-10.

Chart, histogram

Description automatically generated

A picture containing scatter chart

Description automatically generated

Comment: There is an observation that the there is a positive linear relationship between wine price and wine age. As the wine age increases, the wine price is more likely to increase too. But I have not observed there is a strong linear relationship between wine age and wine price.

A picture containing scatter chart

Description automatically generated

Code

# Assignment

Price<-c(15.00, 14.10, 15.50, 18.50, 17.50, 19.50)

mean(Price)

wine <- read.csv("wine.csv")

View(wine)

mean(wine$Price)

aggregate(wine$Price, list(wine$Colour), FUN=mean)

hist(wine$Price)

hist(wine$Price, xlab = "Price($)", ylab = "Count", main="Wine Price")

plot(wine$Age, wine$Price)

plot(wine$Age, wine$Price, xlab="Age", ylab = "Price($)", main="Wine Prices with Age")