

# Project 02

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*Sunday, September 28, 2014*

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! Warning: package 'plyr' was built under R version 3.1.2

! [1] "-----"

! [1] "---- Stats for difference between the High and the Low price: ----"

! [1] "The average difference between the High price and Low price is 3.1185 dollars."

! [1] "The Std Dev of the difference between the High price and Low price is 2.5576 dollars."

! [1] "The Max difference between the High price and Low price is 42 dollars."

! [1] "The Min difference between the High price and Low price is 0 dollars."

! [1] "The 1st Quartile of the difference between the High price and Low price is 1.5 dollars."

! [1] "The 3rd Quartile of the difference between the High price and Low price is 4 dollars."

! [1] "-----"

! [1] "---- There is a strong positive correlation between various prices as follows: ----"

! [1] "The correlation coeff between the Open and High prices is 0.9999"

! [1] "The correlation coeff between the Open and Close prices is 0.9998"

! [1] "The correlation coeff between the Open and Low prices is 0.9999"

! [1] "The correlation coeff between the High and Close prices is 0.9999"

! [1] "The correlation coeff between the High and Low prices is 0.9999"

! [1] "The correlation coeff between the Close and Low prices is 0.9999"

! [1] "-----"

! [1] "-- There is a stronger positive correlation between the aggregated means of the various prices --"

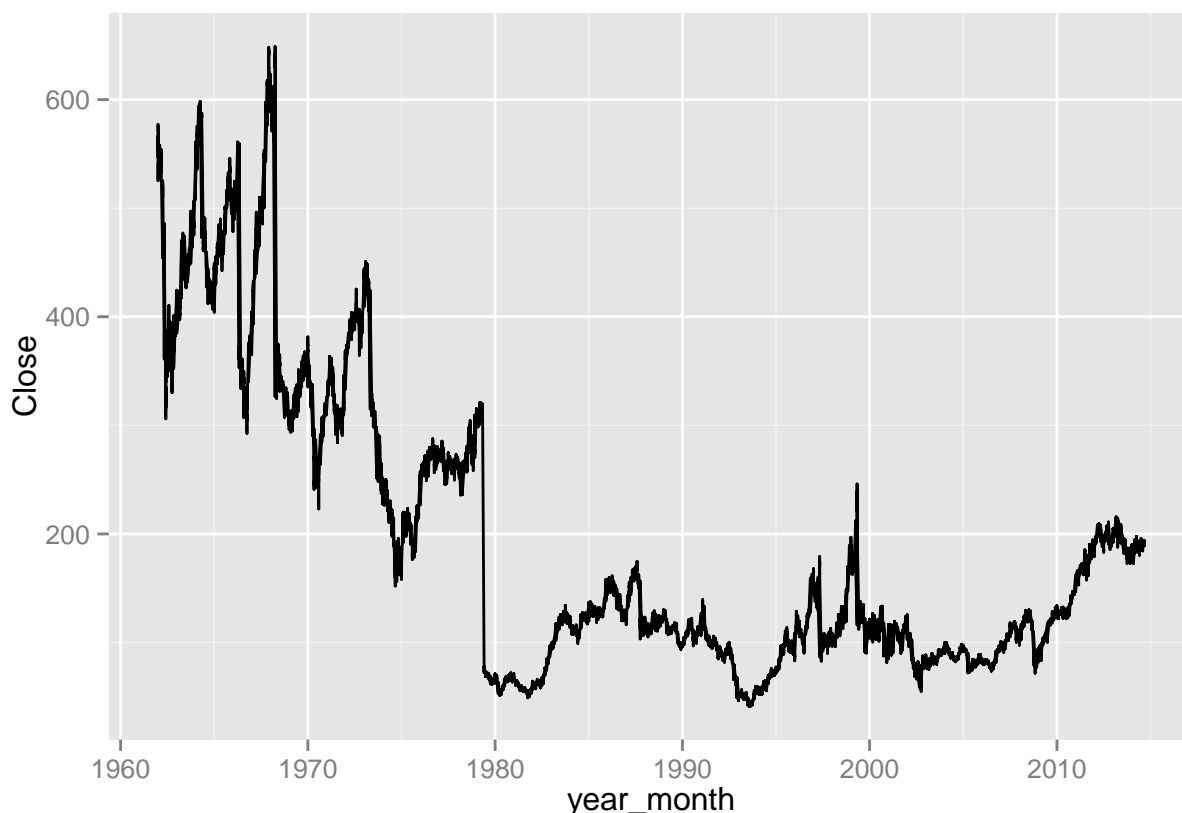
! [1] "The correlation coeff between the monthly aggregated Open and High prices is 1"

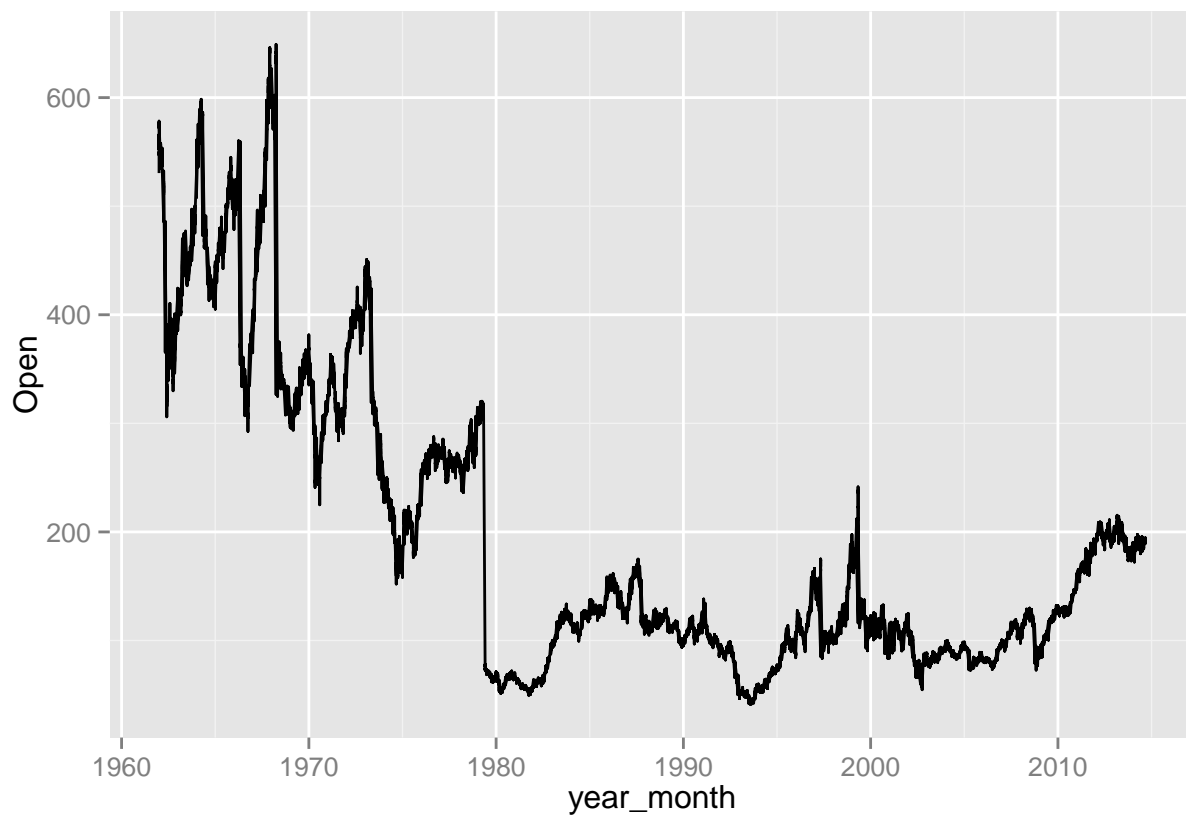
! [1] "The correlation coeff between the monthly aggregated Open and Low prices is 1"
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! [1] "The correlation coeff between the monthly aggregated Open and Close prices is 1"
! [1] "The correlation coeff between the monthly aggregated High and Close prices is 1"
! [1] "The correlation coeff between the monthly aggregated High and Low prices is 1"
! [1] "The correlation coeff between the monthly aggregated Close and Low prices is 1"
! [1] "-----"
! [1] "-- There is a stronger positive correlation between the aggregated std dev of the various prices"
! [1] "The correlation coeff between the std dev of monthly aggregated Open and High prices is 0.9988"
! [1] "The correlation coeff between the std dev of monthly aggregated Open and Low prices is 0.9983"
! [1] "The correlation coeff between the std dev of monthly aggregated Open and Close prices is 0.9983"
! [1] "The correlation coeff between the std dev of monthly aggregated High and Close prices is 0.9981"
! [1] "The correlation coeff between the std dev of monthly aggregated High and Low prices is 0.9969"
! [1] "The correlation coeff between the std dev of monthly aggregated Close and Low prices is 0.9991"
! [1] "A visual inspection of the two plots below shows how similar the Open and Close prices are."

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[1] "The equation of the regression line is Open = 0.999749338996287 Close + 0.0235375457006429"
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