Summary:

US Dollar index has very little correlation with the S&P 500 index throughout time. This is probably a result of the money market being used as a very liquid, non-risky area of investment especially being in the form of a strong world currency such as the USD. The West Texes Intermiediate is more correlated to the S&P 500 index and the WTI stock has become more so in the more recent years. This increase in correlation is likely due to investors beginning to speculate on these kinds of commodities in more recent years as the future of the oil industry is unknown, combined with various political influences affecting supply.

Surprises while analyzing the data:

I was surprised with how little correlation the USD had to the S&P 500, having not done research on it before I figured it would have been a little more linked to the market.

Difficulties:

The biggest difficulty was just cleaning the data. When downloading the datasets the format was not very good, and I had to spend time fixing it so they could be combined