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Lab 7 Writeup

1. Output will show the trend variables in future plots & regressions
2. See included graph with output file
3. In our first regression, we had a strong f-value of 34.04 with a low Pr value indicating this is a strong model. However, in our second regression we nearly doubled this value to 62.78. R-squared also increased, indicating more of the variation of our Y is explained by our x variables. When we ran this regression again with trend instead of t, we did not see an increase or decrease in our f-value or r-squared. This is because t is a time series and all we did from t to trend was add a constant to it. Therefore, this would not change the actual regression.
4. After running detrending, we have an f-value of 19.95 with an r-squared of slightly over 50%. This makes sense, as the detrending tactic implies that the t-value should decrease. We can also look at the individual t-values of the variables ot see they haven't changed too much from the last time we ran the regression, indicating the detrend was a success, that the variables/intercept have similar t-values however the overall regression has a smaller f-value due to detrending over the other regression.