

# DSP 539: Climate, Federal, and Energy Spending Analysis in R

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*4/30/2019*

*Note: All R squared values and p-values exist in inline code. For a given Figure, just find its named code chunk and run the code under 'linear analysis'.*

## General Overview

Here is my report.

**Figure 1 – US Climate Spending per department**

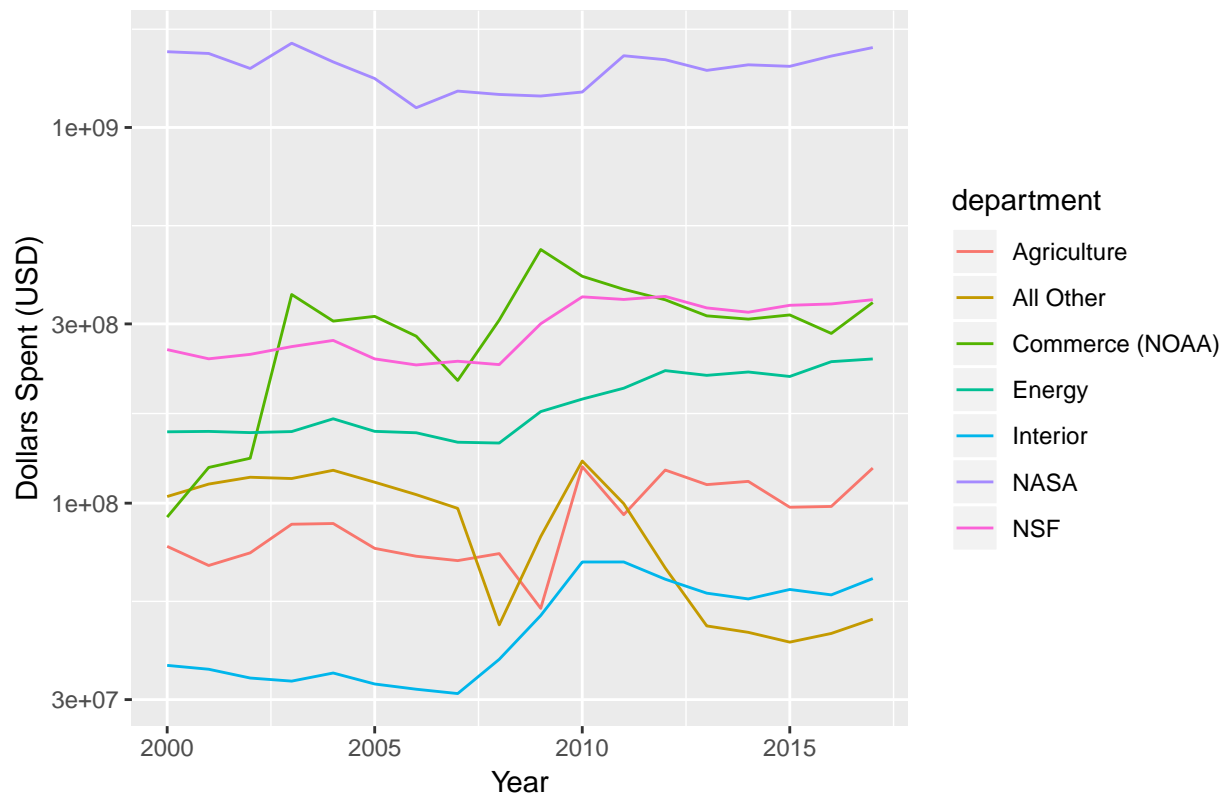


Figure 2 – US Energy Spending per department

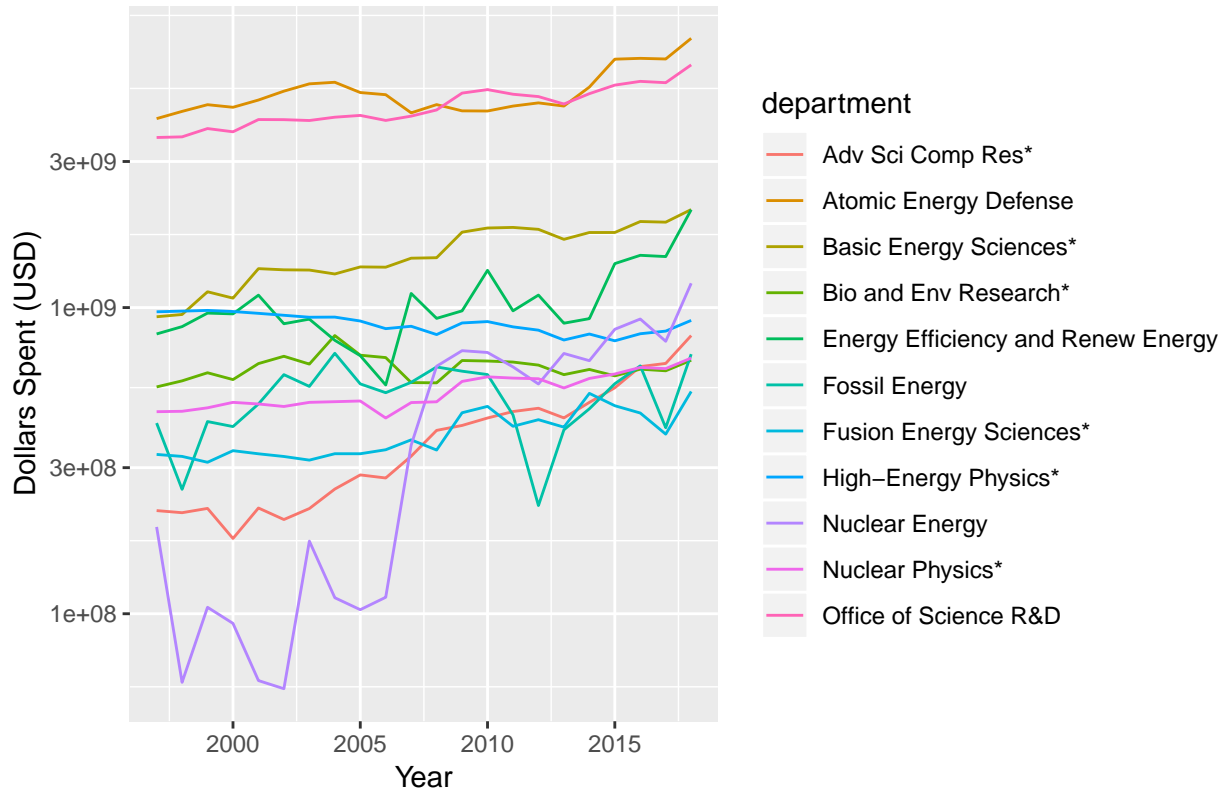


Figure 3 – US Federal Spending per department

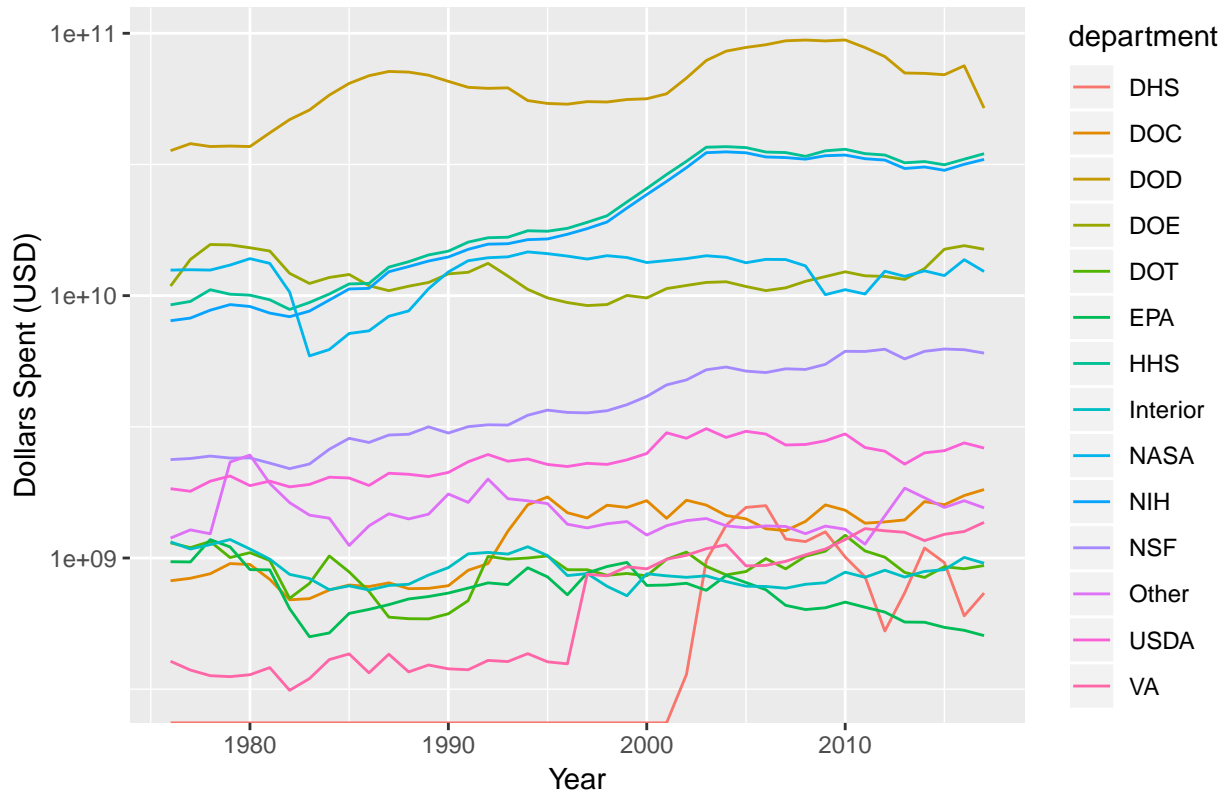


Figure 4 – GDP versus Spending

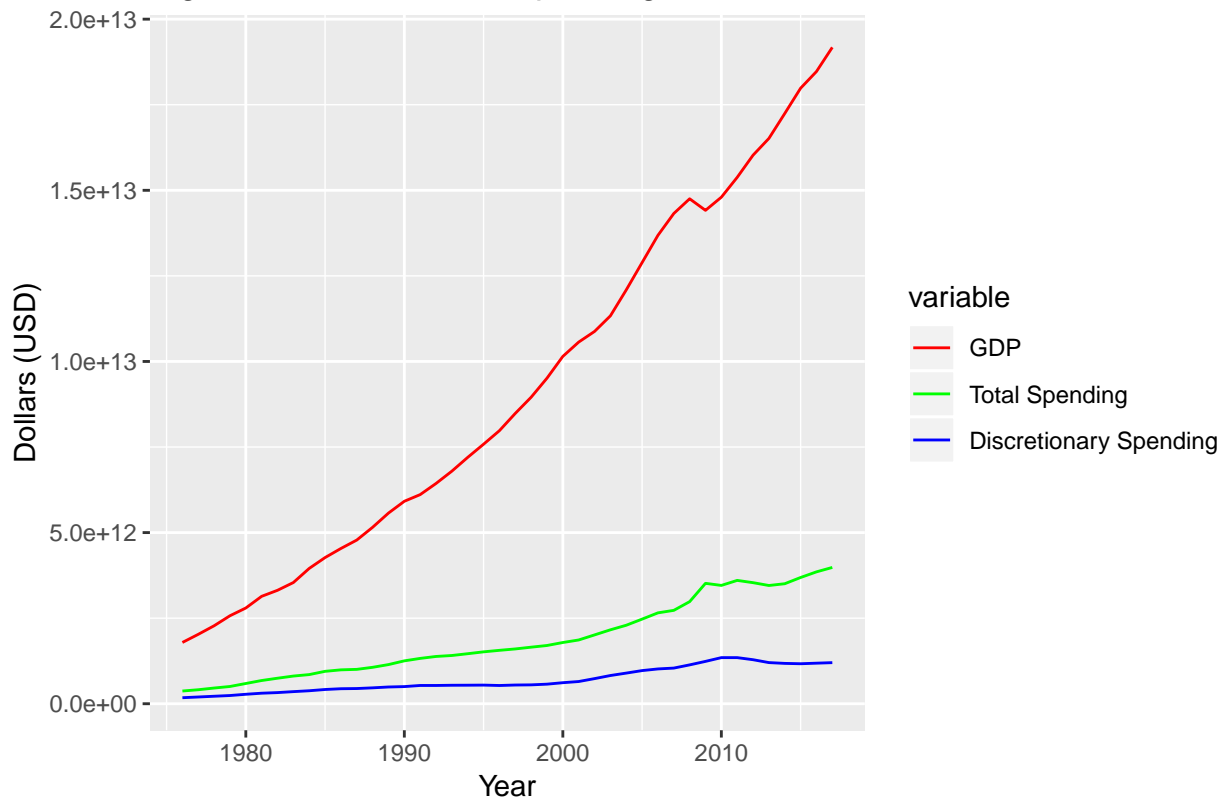


Figure 5 – Rate of Change: GDP, Total Spending, Discretionary Spending

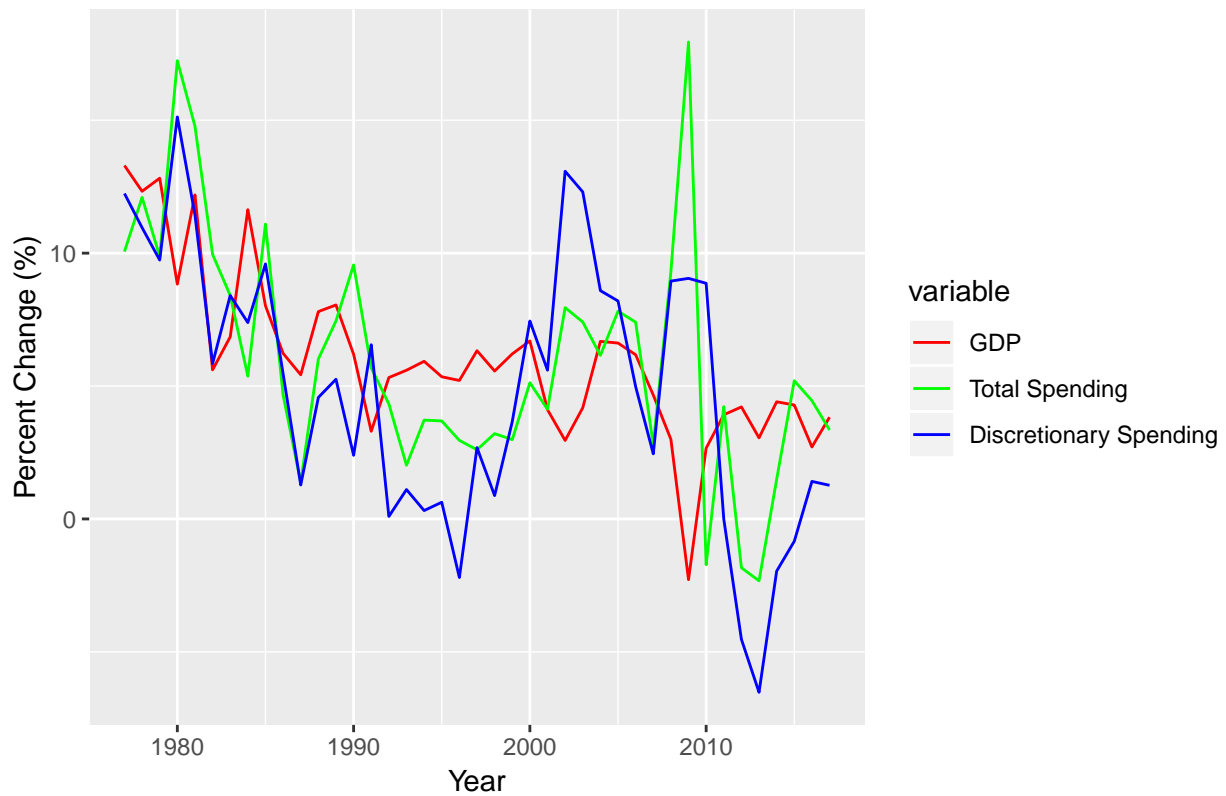


Figure 6 – Rate of Change: GDP versus Federal Spending

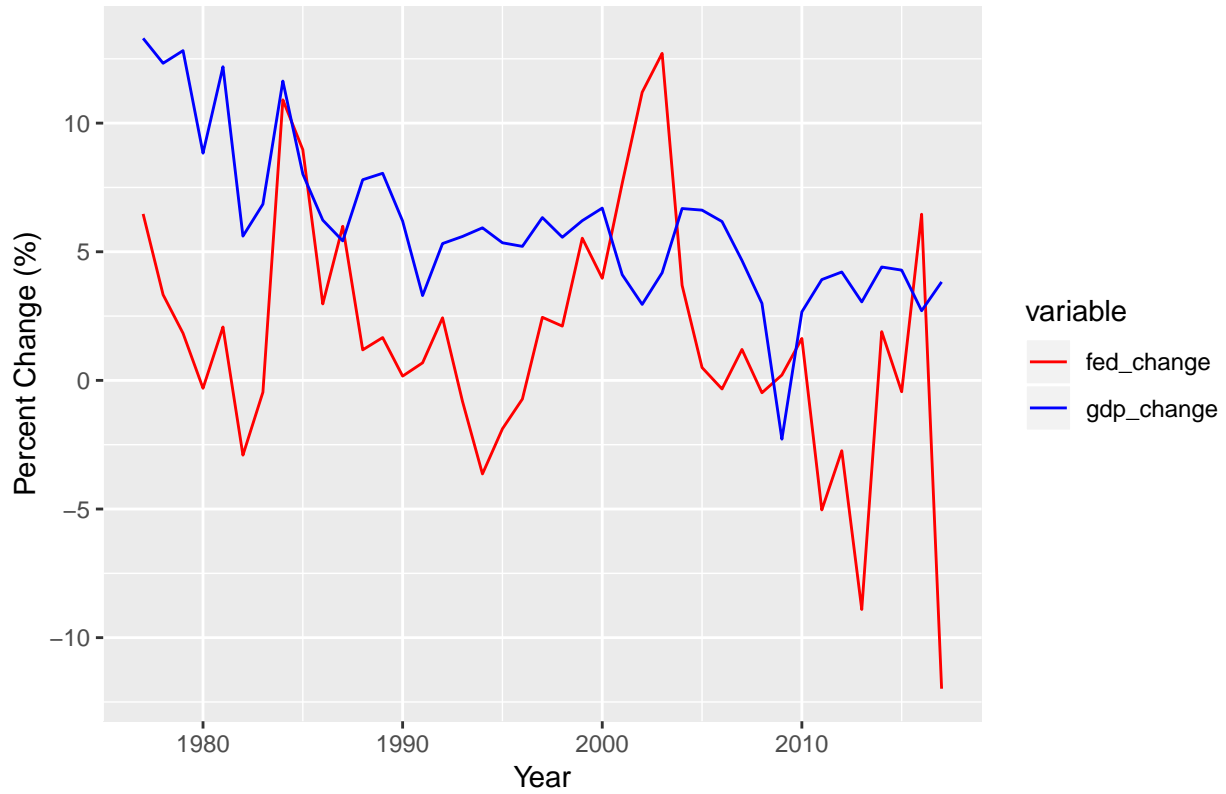


Figure 7 – Rate of Change: GDP versus Energy Spending

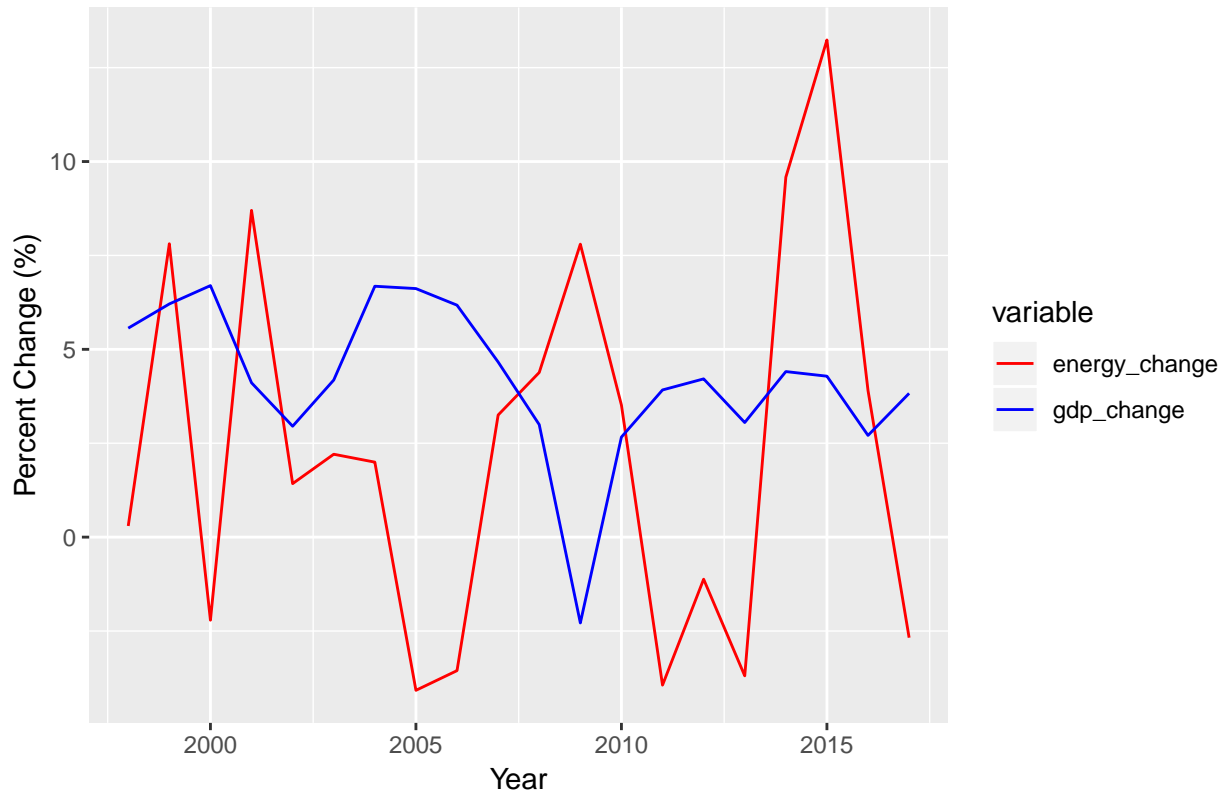


Figure 8 – Rate of Change: GDP versus Climate Spending



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## [1] " \nfunction: department_matrix_roc\ndescription: Given a data frame and a column, gets the \n
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Figure 9 – Rate of Change: GDP and Federal Spending per Department

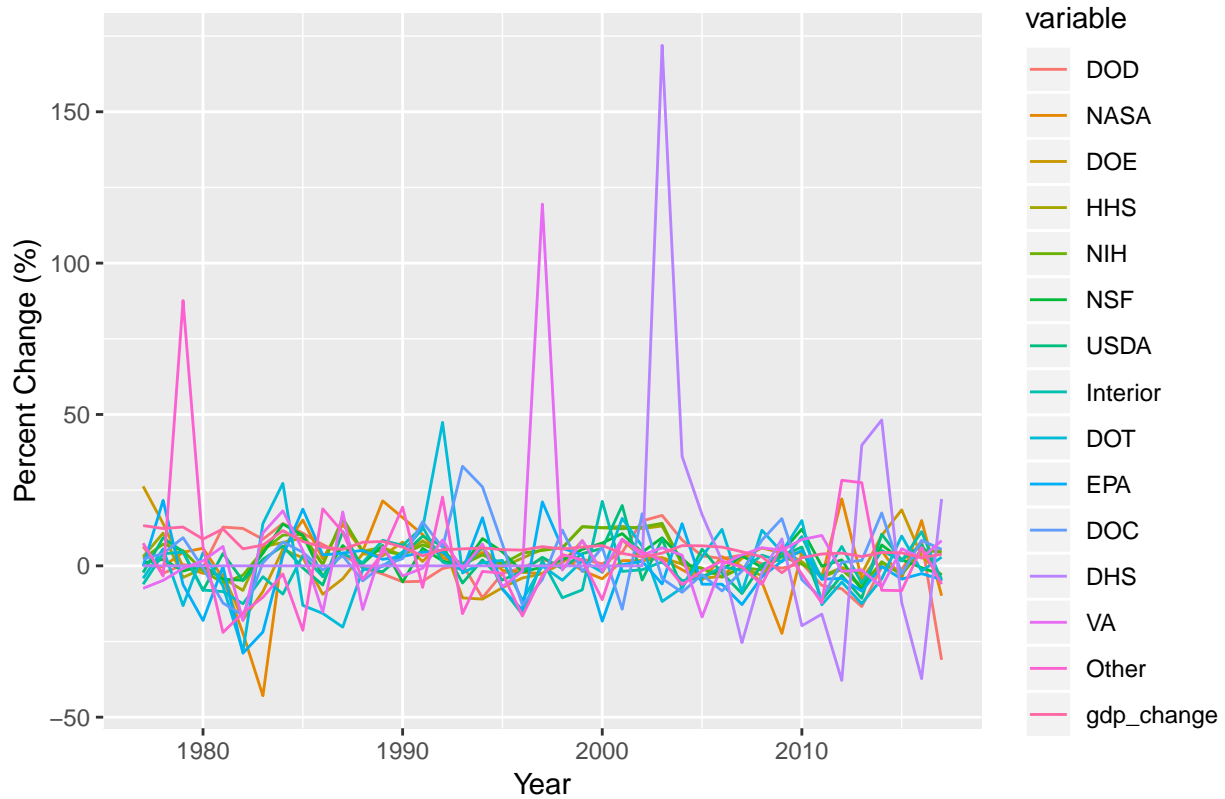


Figure 10 – Rate of Change: GDP and Energy Spending per Department

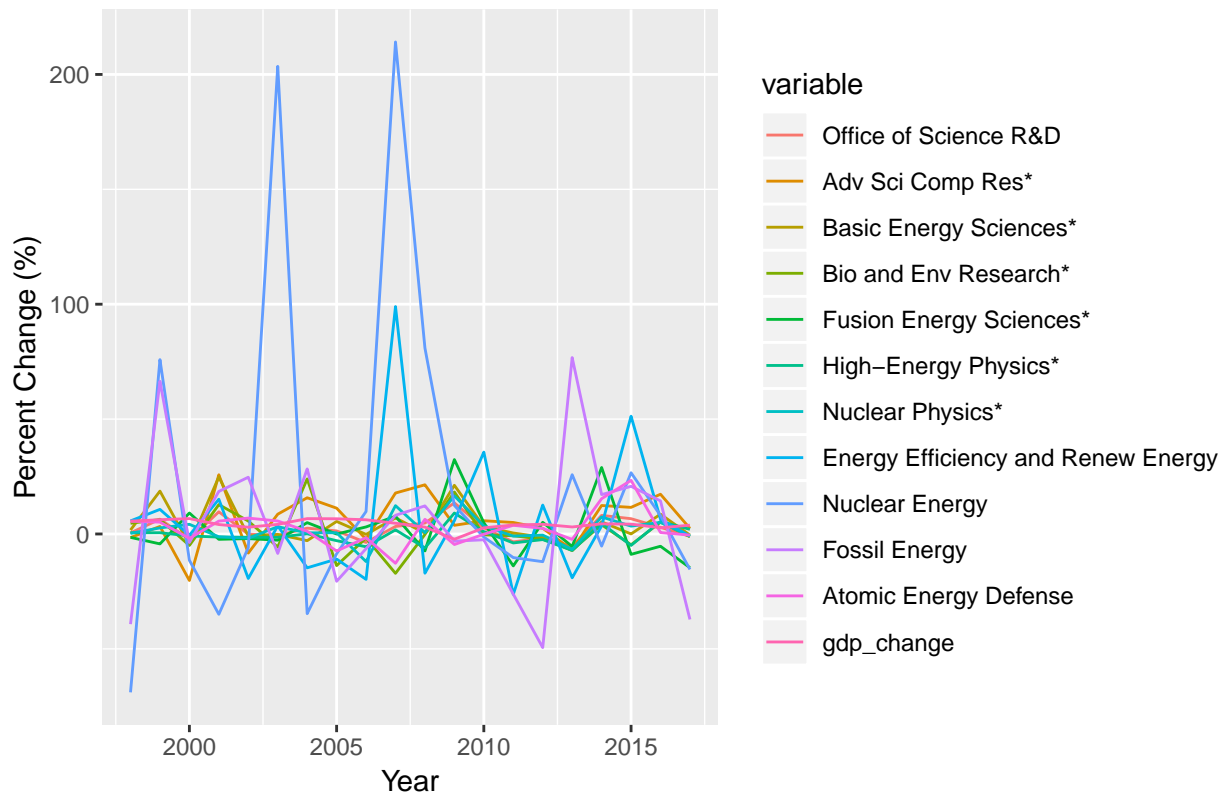


Figure 11 – Rate of Change: GDP and Climate Spending per Department

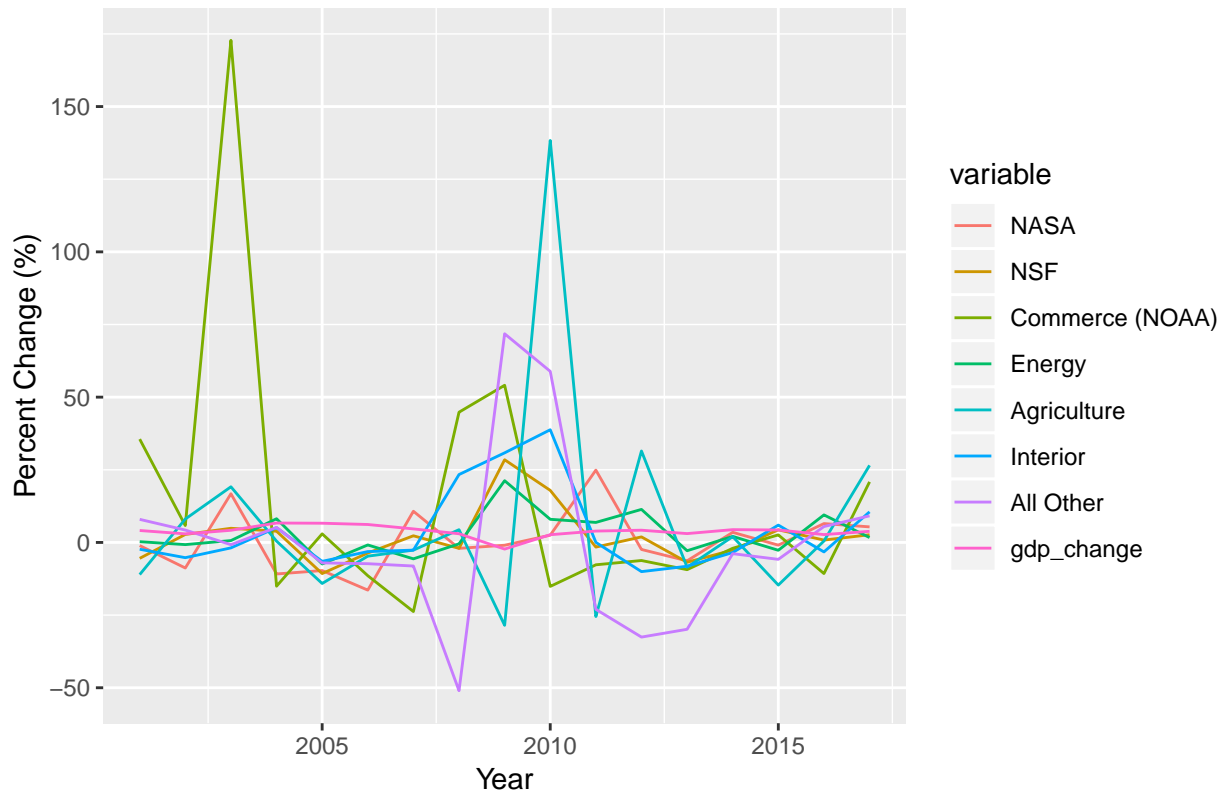


Figure 12 – Rate of Change: Total Spending versus Federal Spending

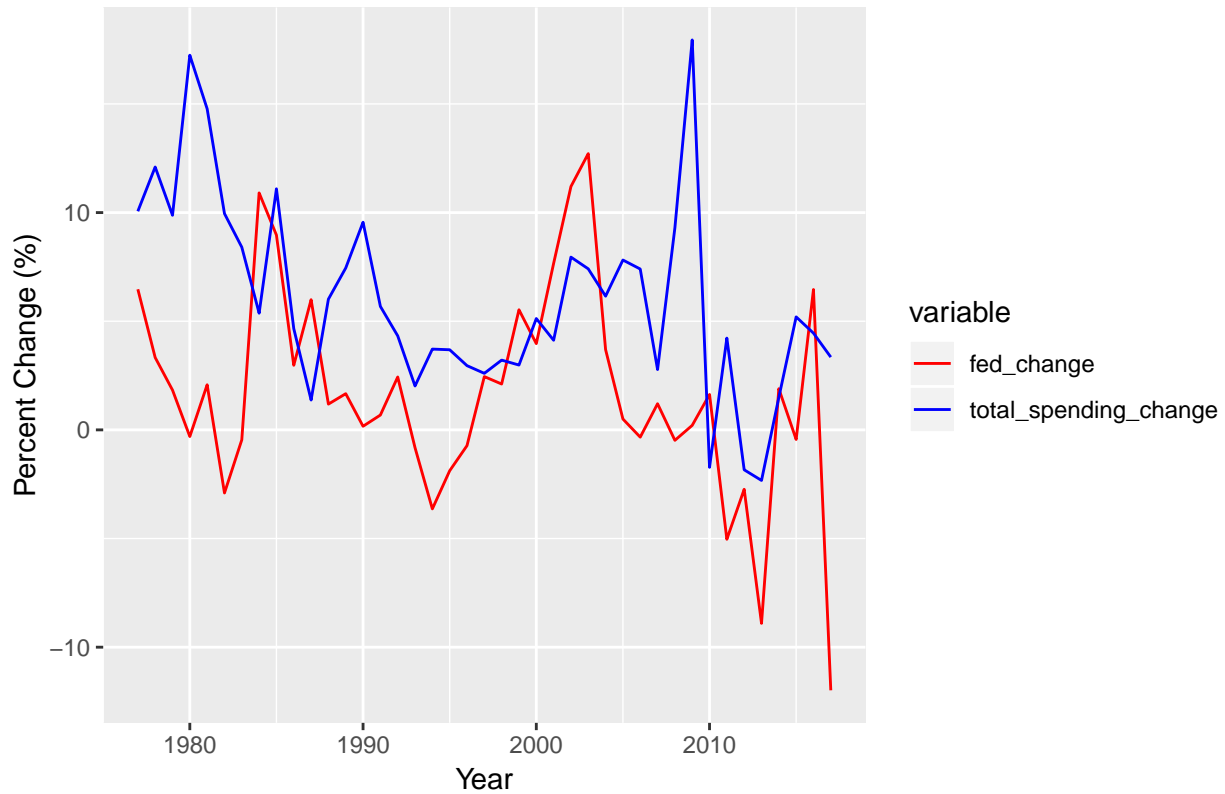


Figure 13 – Rate of Change: Total Spending versus Energy Spending

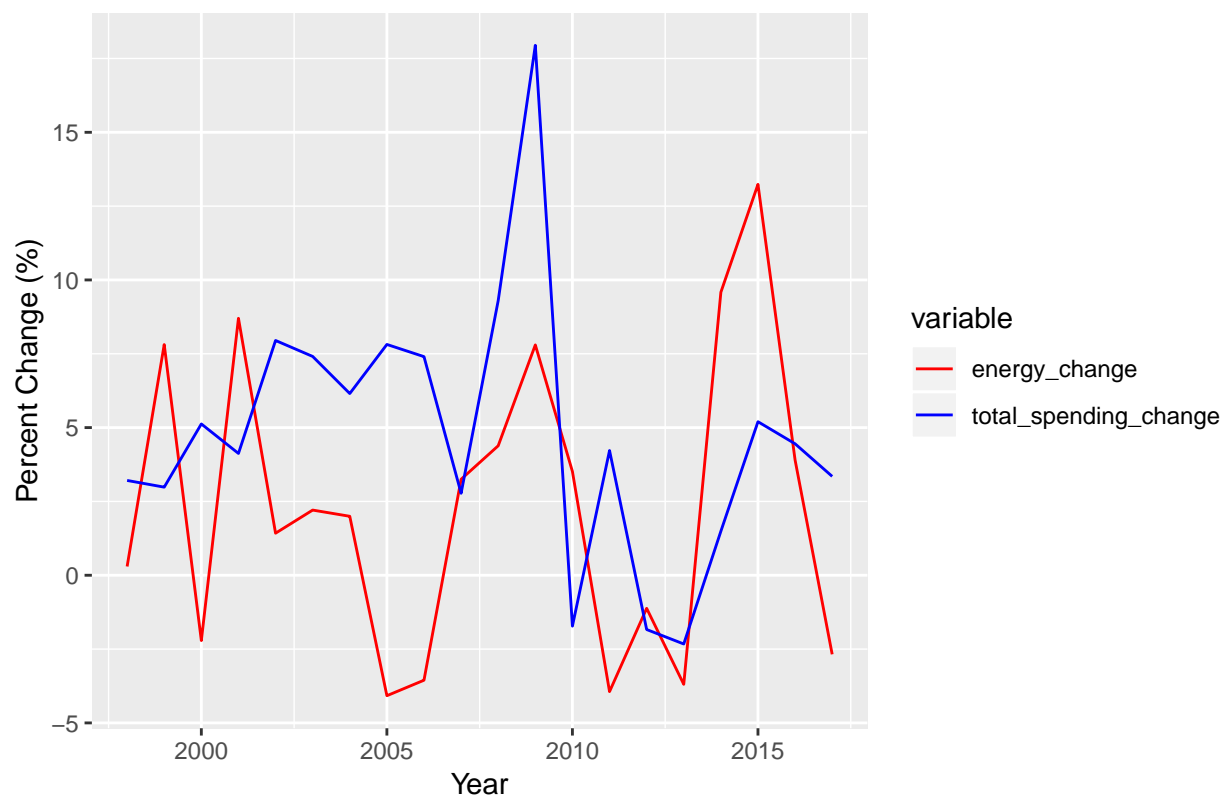


Figure 14 – Rate of Change: Total Spending versus Climate Spending

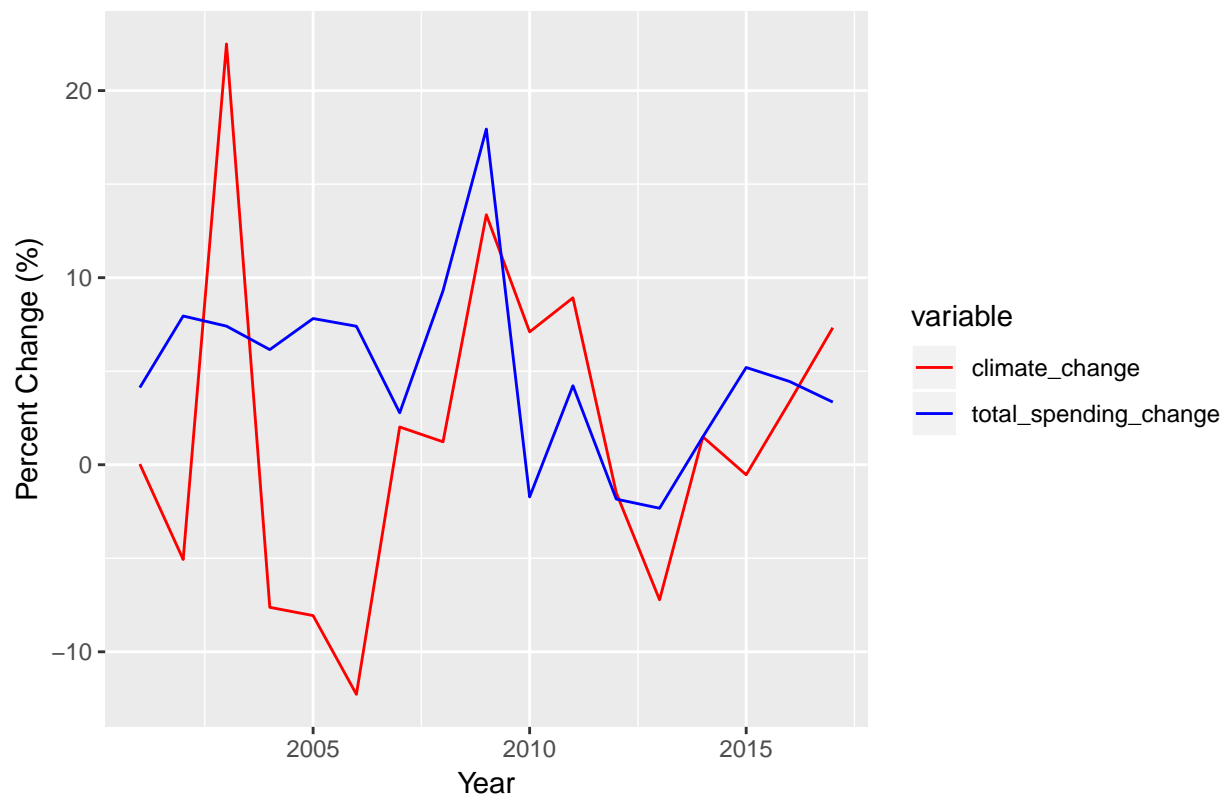




Figure 15 – Rate of Change: Total and Federal Spending per Department

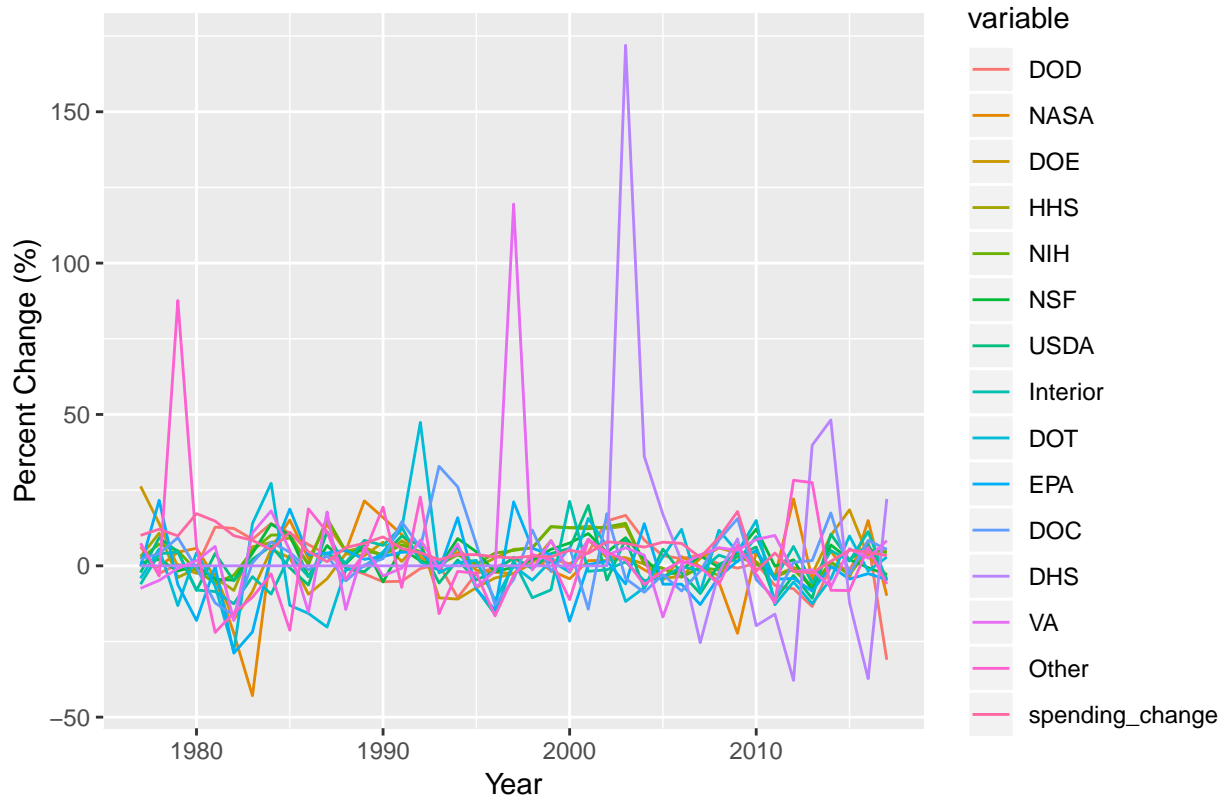


Figure 16 – Rate of Change: Total and Energy Spending per Department

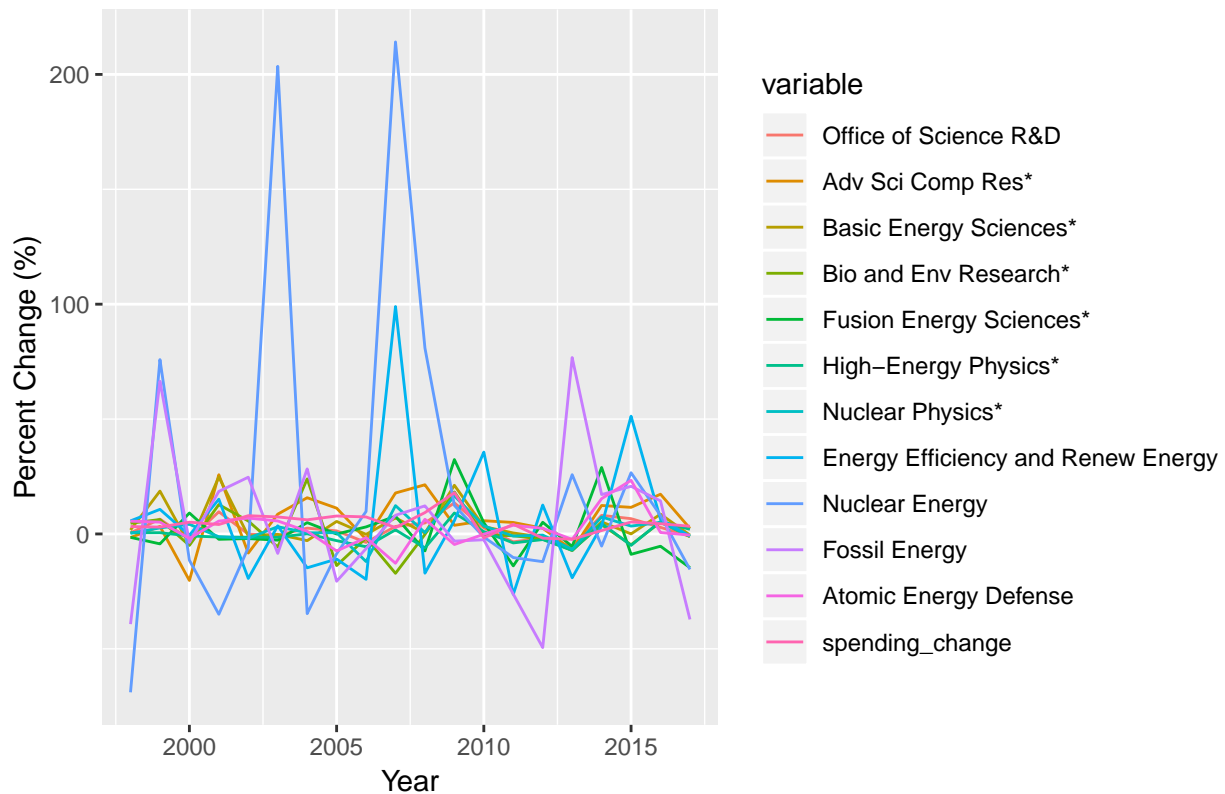


Figure 17 – Rate of Change: Total and Climate Spending per Department

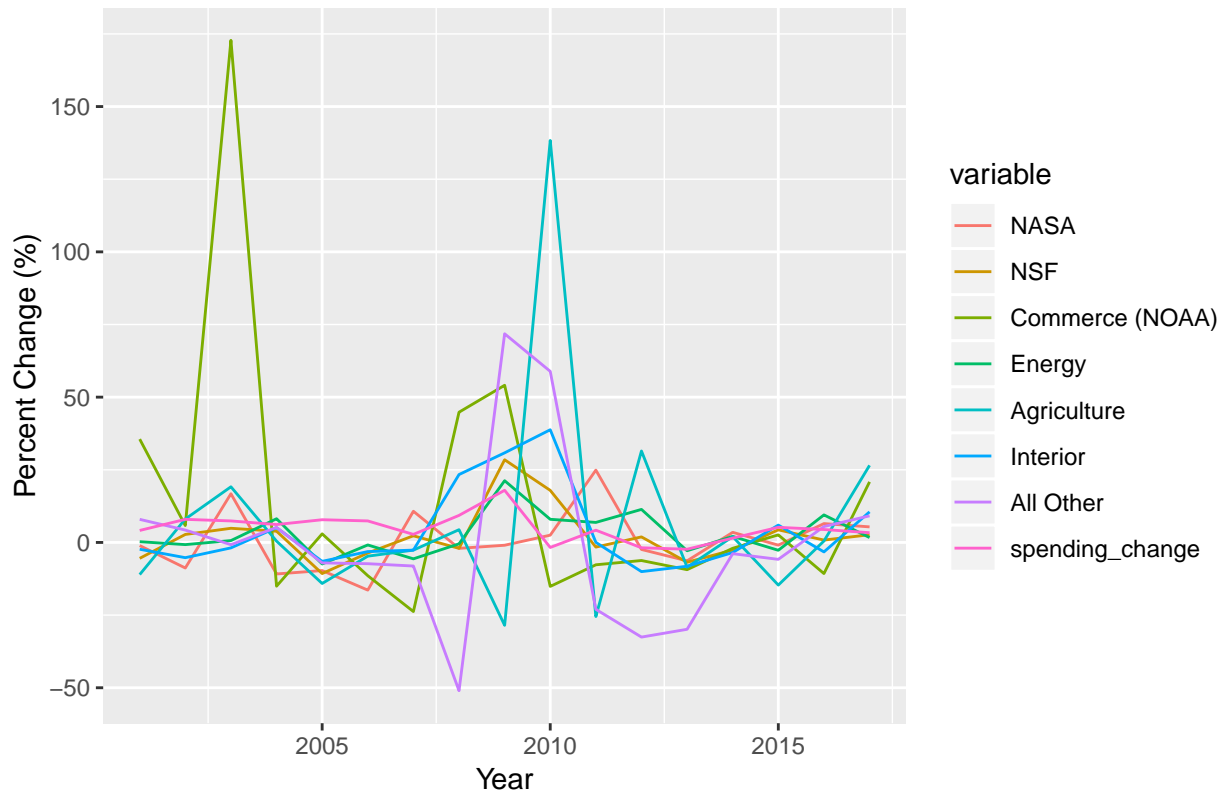


Figure 18 – Rate of Change: Discretionary Spending versus Federal Spending

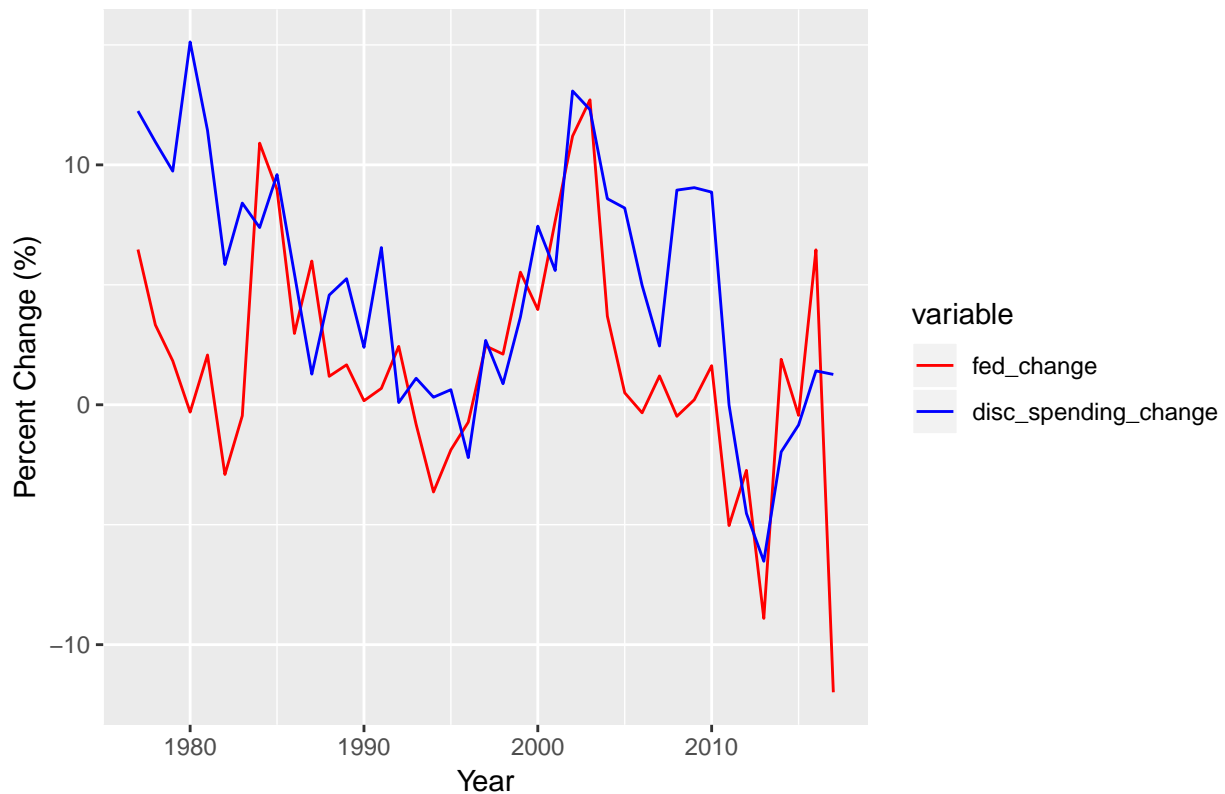


Figure 19 – Rate of Change: Discretionary Spending versus Energy Spendi

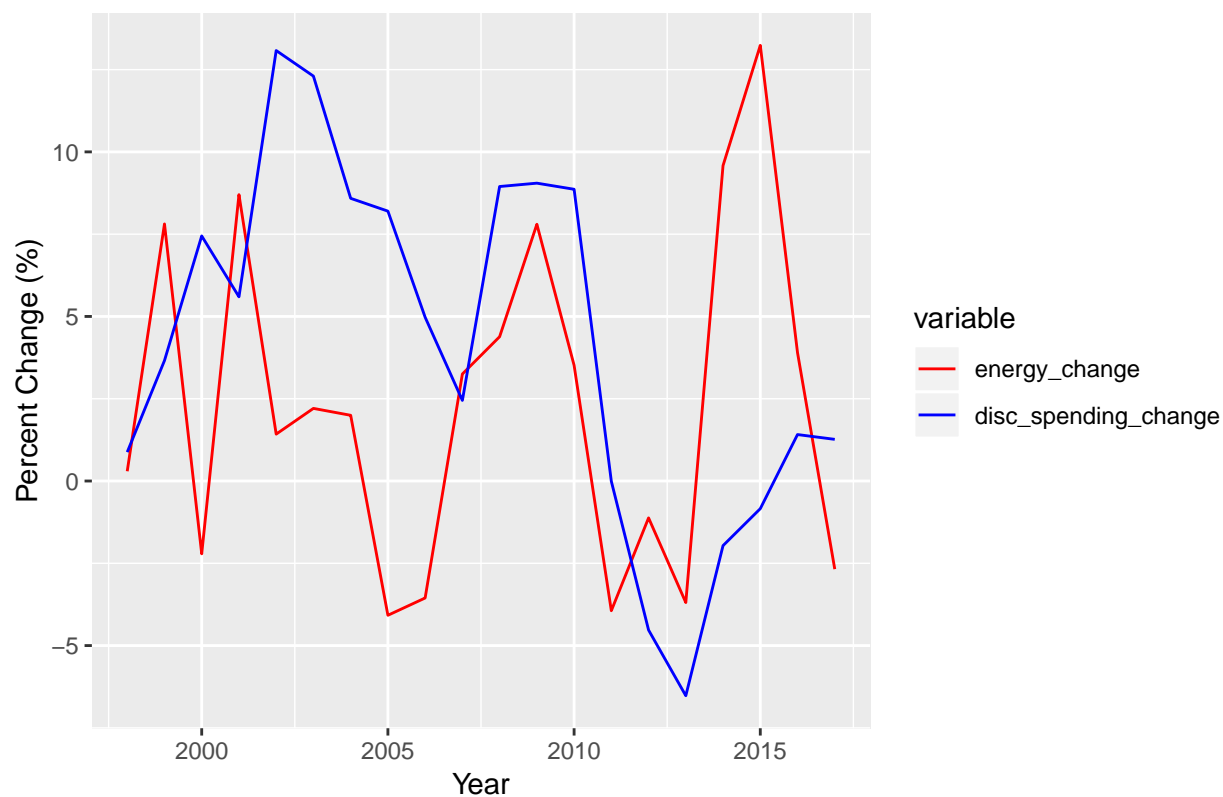


Figure 20 – Rate of Change: Discretionary Spending versus Climate Spend

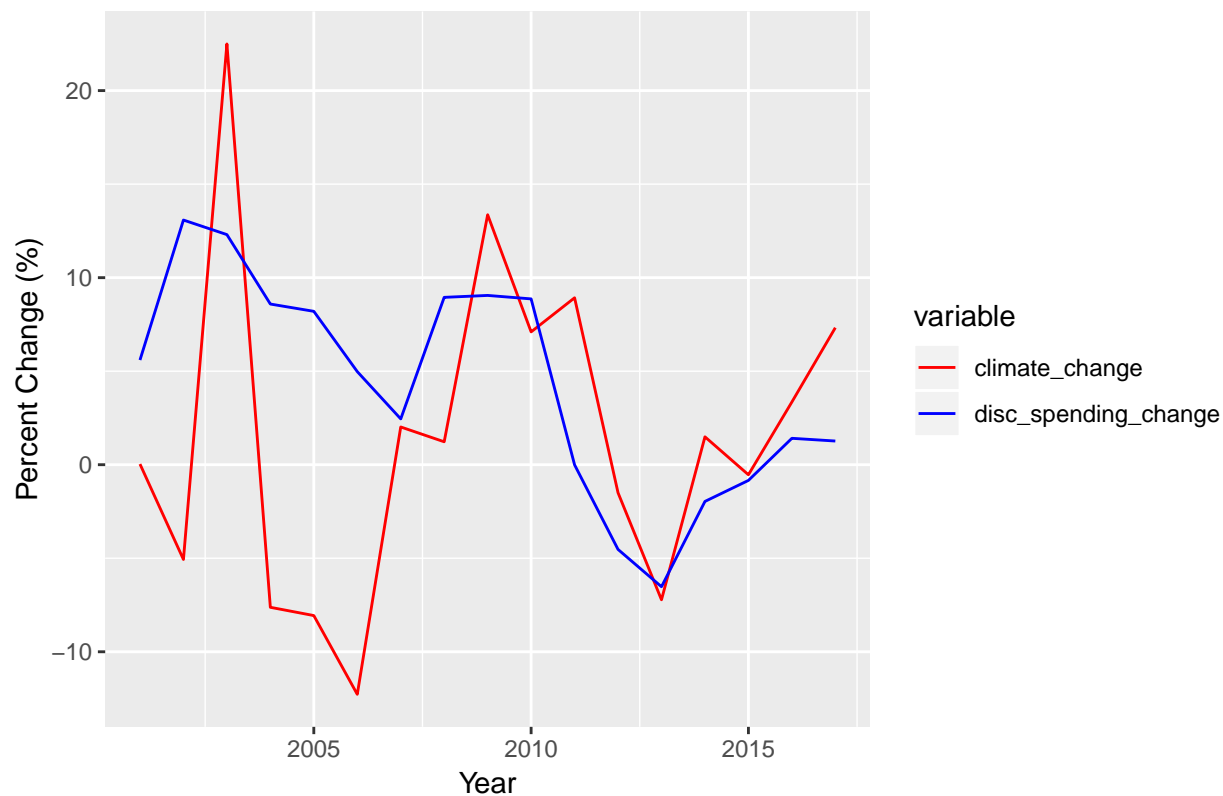


Figure 21 – Rate of Change: Discretionary and Federal Spending per Depa

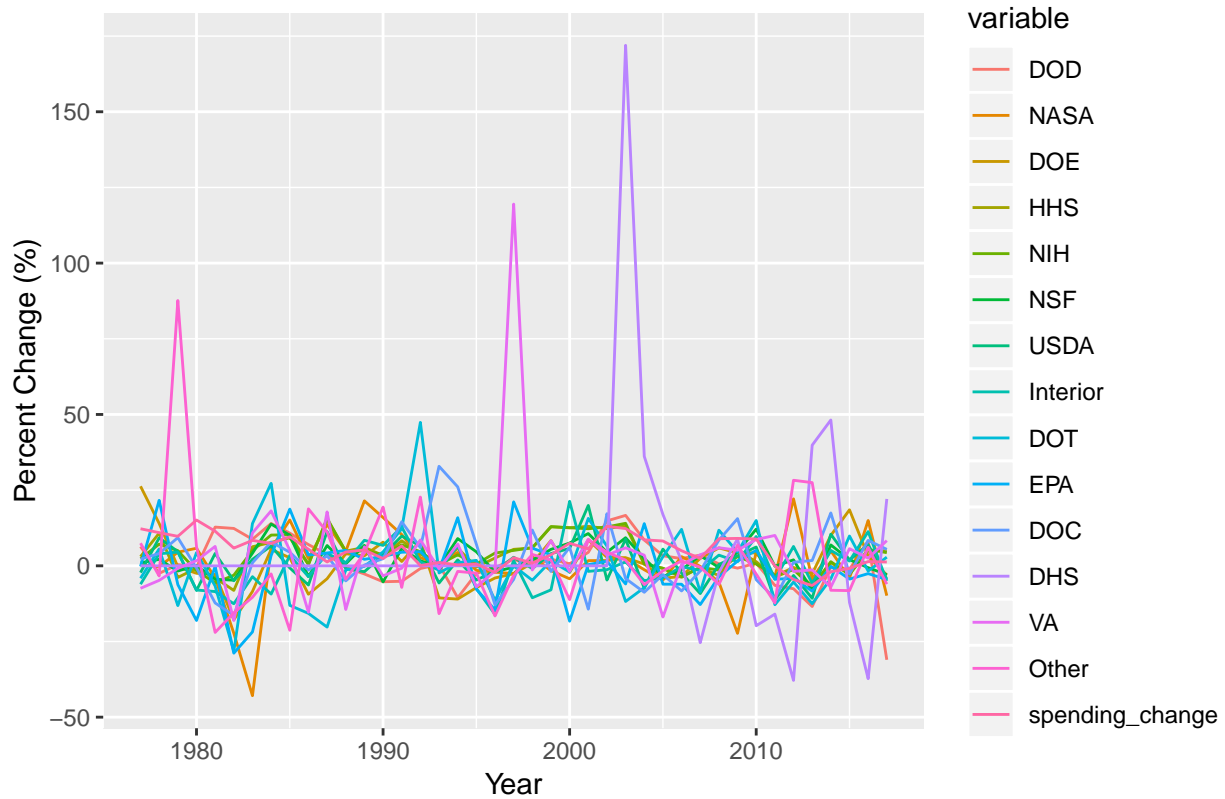


Figure 22 – Rate of Change: Discretionary and Energy Spending per Depa

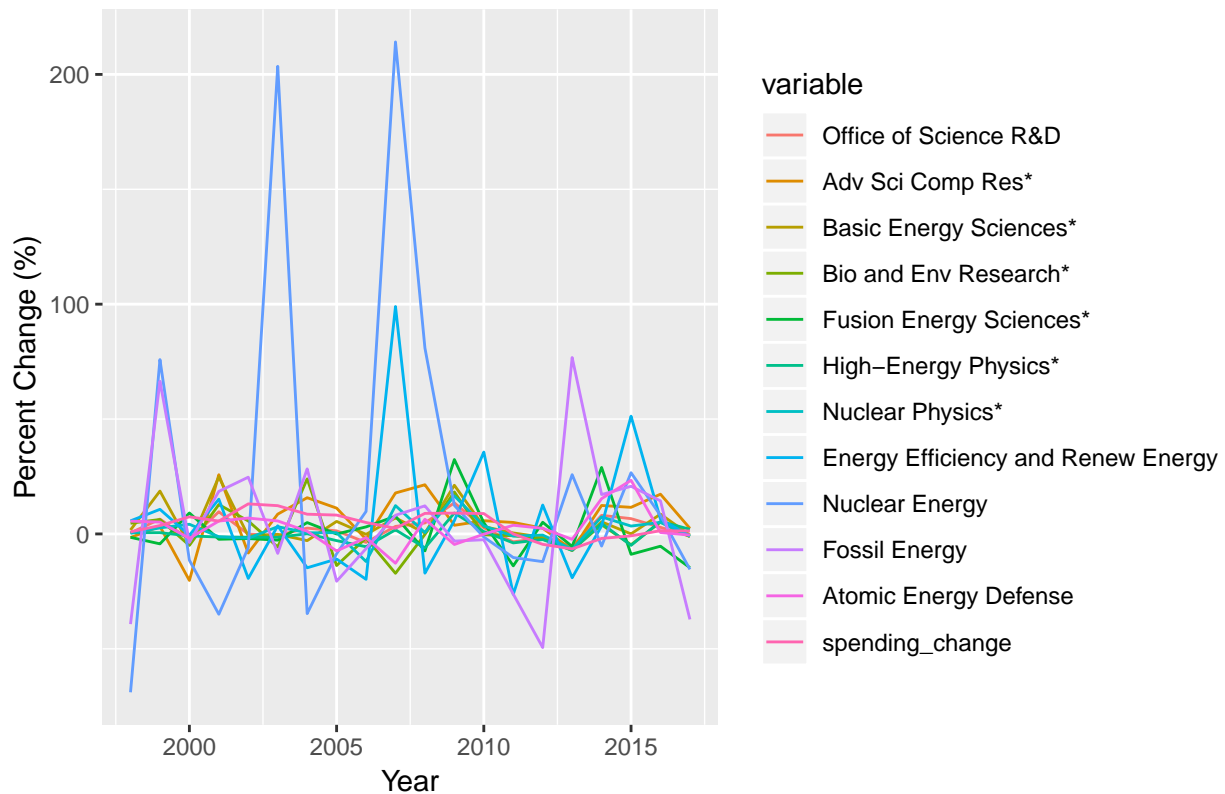


Figure 23 – Rate of Change: Discretionary and Climate Spending per Department

