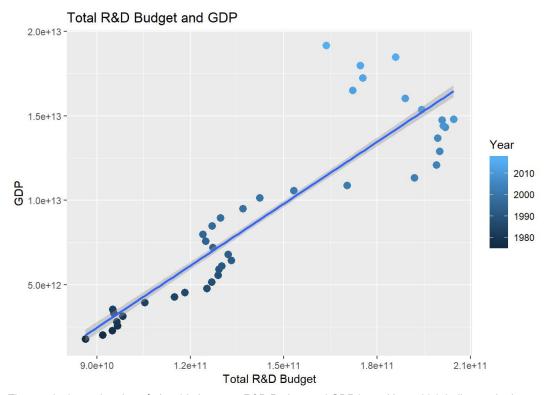
R Assignment Report

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Fed R&D Data

Total R&D Budget and GDP



The graph shows that the relationship between R&D Budget and GDP is positive, which indicates the investment in R&D may promote the growth of GDP.

Also, we can see the GDP and Total R&D Budget are increasing over time.

R&D Budgets in Different Departments

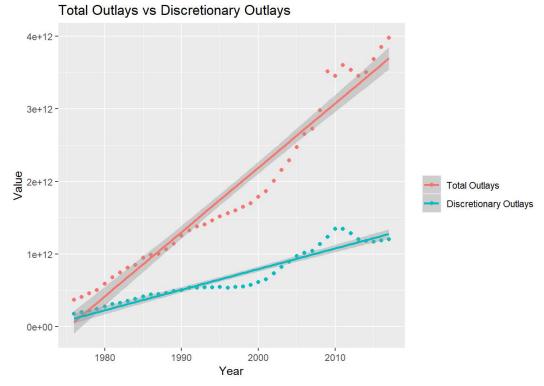
How much are the R&D budgets in different department? Are R&D budgets increasing as time goes by?

R&D in Different Departments 1e+11 Departments DOD HHS NIH DOE R&D Budget 01+91 NASA NSF USDA As we can see, not all departments DOC Other VA Interior 1e+09 DOT DHS **EPA** 2010 2020

have increasing R&D budgets over time. And the Department of Defense has the highest the R&D budgets all the time.

Year

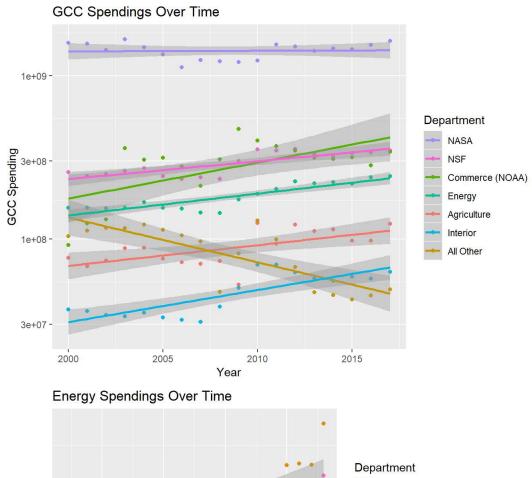
Discretionary Outlays and Total Outlays

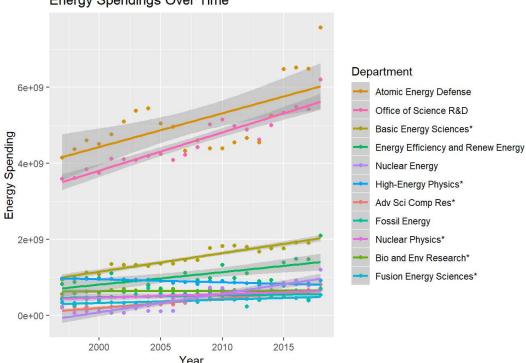


Generally, both total outlays and discretionary outlays are increasing over time. And the growth rate of total outlays is larger than the discretionary outlays.

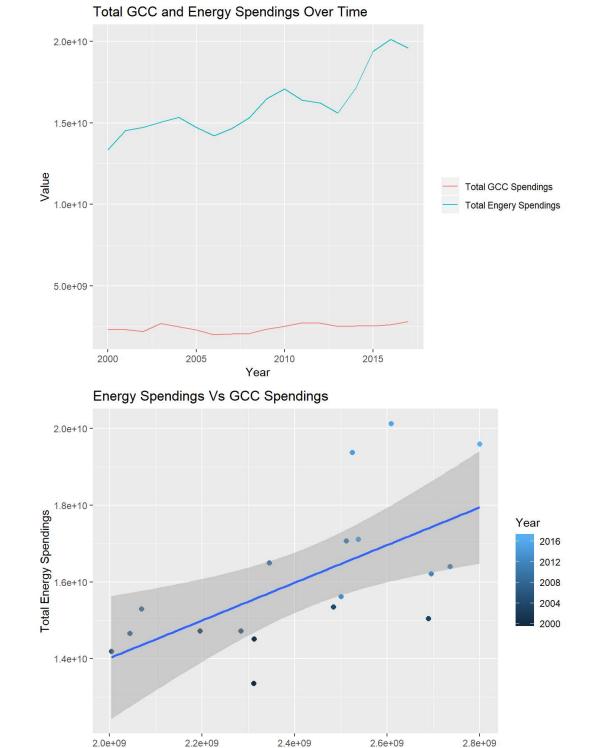
Climate and Energy Spendings Data

GCC and Energy Spendings Summary





What is the relationship between climate spendings and energy Spendings?



The GCC spending may have positive relationship with energy spending. But it needs hypothesis test to prove it.

Total GCC Spendings