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Data Visualization

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Portfolio Proposal

**Topic: Federal budget outlays and revenues over the last 40 years, and current budgetary projections.**

Ideas for “stories” to tell with this data:

* Explore federal grants to state & local government. What are these funds used for? How have they changed over time?
* Show the effects of the Bush and Trump tax cuts on the revenue side.
* Changes in how much we invest in in things like R&D, transportation infrastructure, and other long-term investments over the past decades.
* Compare president’s proposed 2019 budget to current spending levels.
* Visualize in what departments and/or programs most federal money is spent.

**Dataset #1**: [Table 14-1. Federal Grants to State and Local Governments – Budget Authority and Outlays](https://www.whitehouse.gov/wp-content/uploads/2018/02/14-1-fy2019.xlsx)

Source: Office of Management and Budget

Number of Rows: 489

Number of Columns: 6 (3 columns for budget authority in ‘17, ‘18, and ‘19, 3 for actual outlays)

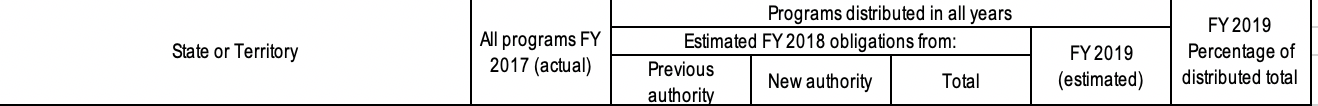
Unit of observation: Budget line item

**Dataset #2**: [Tables 14-3 through 14-39. 2019 Budget State-by-State Tables](https://www.whitehouse.gov/wp-content/uploads/2018/02/state-by-state-fy2019.xlsx)

Source: Office of Management and Budget

Number of Rows: 65 (but many different tables for different programs)

Number of Columns: 7



Unit of observation: state, territory, or administrative unit

**Dataset #3**: [Budget Outlays 2019](https://www.whitehouse.gov/wp-content/uploads/2018/02/outlays-fy2019.csv)

Source: Office of Management and Budgett

Number of Rows: 5,102

Number of Columns: 75

Unit of Observation: Agency | Bureau | Account | Subfunction, i.e. (DHHS | CMS | Health Care Fraud and Abuse Control Account | Medicare)

*\* This data goes back to 1962, allowing for over-time comparisons.*

Additional data sources:

<https://usafacts.org/>

* This source has longitudinal datasets on demographics; government employees; government-run businesses; and federal, state, and local spending.
* USA Facts draws all of their data from government sources