

# CivicStats

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# The Goal of CivicStats

- The primary goal of CivicStats is to be an addition onto the CivicStory website that allows users to view data visualizations about sustainability efforts being done in their area
- Need
  - Why does CivicStory need CivicStats?
    - It offers the user an additional source of information to understand sustainability along with the articles on the website
  - How does CivicStats benefit sustainability?
    - Allows users to better understand the efforts being done in their area
    - With this knowledge, users will likely want to continue positive trends or be involved to make sustainability more present in their area

## Approach

- To create a database visualization tool on the CivicStory website that is easy to use and easy to understand
  - Utilized charts to make it easier for the common user to interpret
- Used a Python web scraper to pull relevant data on all NJ counties from the [Sustainable Jersey](#) website and filled this information into a database that the CivicStats tool pulls from.



# The Implementation of CivicStats



- **Benefits**

- Search/filters tools are very beneficial for other websites, so it would be a natural addition to include this tool on CivicStory
- Comparison function allows administrators and officials to determine which areas are doing well and which areas need to be improved
- Easy to read bar chart allows anyone to use the function

- **Costs**

- Easy to implement. Not an additional website, does not replace the current website
- No changes to the Civicstory website need to be made
  - CivicStats is just an addition to the toolbar, so no other pages of the site need to be changed (except adding a link on the main page)
- All of the software utilized is open source so it would not cost money to implement
- Additional cost would be time spent on populating the connected database with the rest of the information from the Sustainable Jersey website



PostgreSQL



# CivicStats Demonstration!

# Q&A