**Idea:**

Need to see how your team is doing on a project? How much each team member is actually contributing? How many pull requests are issued by a user to a specific repo on GitHub?

Our project is about displaying these repo statistics in user-friendly graphs, more flexible and dynamic than what GitHub currently offers. It integrates with Teradata’s branch of Facebook’s Presto project and allows you to customize the information you want displayed. You can filter by the status of pull requests, time span, number of commits, lines of code, and contributor.

**What is Teradata? What is Presto?**

Data. Lots of data. Human-, machine-, business-, and interaction-generated data. Teradata provides end-to-end solutions and services in data warehousing, big data and analytics, and marketing applications.

This allows the customer to become a data-driven business, positioned to increase revenue, improve efficiency, and create the most compelling experience.

Presto is an open-source distributed query engine for running interactive analytic queries against data sources of all sizes, ranging from gigabytes to petabytes.

Presto was designed and written from the ground up to approach the speed of commercial data warehouses while scaling to the size of organizations like Facebook.

**Steps**

1. User selects the parameters for the data request.

2. Connect to the GitHub API and request repo data.

3. Data is processed in Node.js backend.

4. Data is converted into an informative graph using D3.js.

5. Graph is displayed to the user in the web front-end.

**Possible Extension**

1. User can issue custom SQL queries using Presto to allow greater customization.
2. Custom GitHub stat widgets are displayed for the user.
3. Generic extension for use with any repo on GitHub, both public and private.