

# Glowing Data

Members: Brian Lu, Sebastian Cain, Daniel Monteagudo, Xinhui Xu

Our site displays the data from the CORGIS database on Labor Statistics in America

## Graphic Visualization

- Will be in the form of a Sunburst Partition diagram

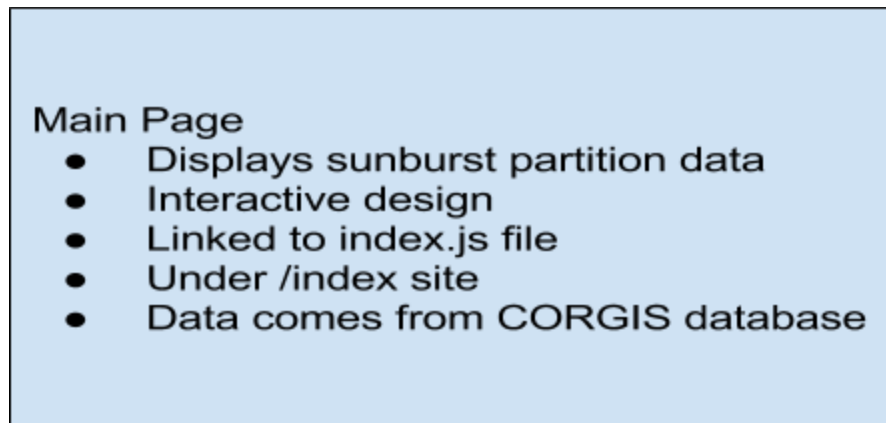


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- In the above example, the innermost ring would represent race
- Because the data is by month, the each section in the first ring will correspond to 12 rings in the second ring
- Each of these 12 rings will have a length that corresponds to a specific data point (total number of laborers in the workforce, for example)
- There will be a slider at the bottom to change the year the entire graph represents

## Components

- Data.py
  - Reads the CSV file and assembles it into an array of values
- Index.html
  - Main display page
- Style.css
  - Styling for the index page
- Index.js
  - Contains all the D3 functions to display the data on the html page, as well as the ajax calls to get the data array from data.py

## Site Map



## Breakdown of Tasks

- Brian Lu
  - Handle CSV file.
  - Break down CSV file into arrays to send to the client.
  - Help with D3 sunburst partition diagram.
- Sebastian Cain
  - General front end and styling.
  - Flask app.
  - AJAX calls and other basic JS functions.
- Daniel Monteagudo
  - Insert arrays into D3 sunburst partition diagram.
  - Interactivity portion.
- Xinhui Xu
  - SVG/Canvas animations.
  - Interactivity portion.

## Timeline

- Wednesday, March 29
  - Mark down exact rows/columns being used from the CSV file.
  - Finish up Flask file.

- Polish up design document and finalize decisions.
- Thursday, March 30
  - Load in data from CSV file.
  - Break CSV data into arrays.
  - Get majority of HTML written.
  - Write out any front end that doesn't have to do with D3/SVG/Canvas
- Friday, March 31
  - Finish D3 front end.
  - Finish any remaining style/HTML.
- Saturday, April 1
  - Finish SVG/Canvas front end.
  - Add interactivity.
  - Add more data (tentative).
- Sunday, April 2
  - Polish.
  - Fix up any small errors in the interactive part of the project.
  - Finish documentation.