

D3 Aggregate

By Howard Lin, Steven Raden, Kevin Yang

Problem

In order to create a visualization we need a good dataset. However, there are times when the original data set isn't sufficient. Sometimes one might want to perform aggregate functions on their datasets to generate some new information to be used within their visualizations.

Player	GameID	Rank
John	1	100
Jane	4	13
John	6	25

We need to get the average rank a player had throughout the dataset

HOW?

Background

Excel

- Inspired by Pivot tables

SQL

- SQL Queries

<http://uwdata.github.io/datalib/>

- Very similar project, we will incorporate different functionality after doing the basics

Description

- User inputs d3 data object and a list of columns to perform aggregate functions
- User receives an array of d3 objects with the aggregate data

`agg.avg(data, [col1, col2]) => [object, object, object, ...]`

`object => {col1: "heres", col2: "johnny"}`

Tasks

- Library syntax- Steven Raden
- Tested code- Everyone
- Aggregate Functions- Kevin & Howard
- Performing aggregate function with multiple columns - Everyone