

Data aggregator type

To make the code more maintainable and easier to review and understand, the data aggregator type class is introduced. Because of the fact that the data that is retrieved from the octopeer server is very bulky and is in no form to put in visualisations, it needs to be aggregated and reformed. The data aggregators do that. For every graph there is a data aggregator which transforms the data that is retrieved from the Octopeer server and GitHub and Bitbucket server to the data that can actually be drawn.

Every aggregator type is a step for step reforming and retrieving of data which will ultimately result in the wanted format. For example, a graph that wants to represent how many comments there are in a pull request. Getting all the events and pullrequests for a certain user will be hard to handle and hard to put into a D3 graph. If it would be in the format of, pullrequest x has y comments, it would be much easier to implement within the graph. So what the aggregator does is getting all the events and pullrequests for a certain user, and transforms it into a format of an array of n objects, containing a x and y attribute.