Development Log

Deciding that the simulator code ran correctly, we decided to add a function to run different times (day, week, month, quarter, year).
For ease of access we will add functions that will store the data in a separate file. We are deciding between a csv file or a db. *Miguel Angel Tovar Rodríguez, with previous work experience with pandas, recommended a dataframe, which we will use as a solution.*
We will focus our story on the work stations. We believe that there are several pieces of data we can rescue and show in interesting ways. We will show the paths the product can take, as well as indicate the possible bottlenecks in the production.
Possible: If we want to add interactivity, we can look for a way to change the route the product can take. *Maybe create sections for stages, they must go through all stations in each stage before passing unto the next one. Update*: For reasons of ease when calling our script, we decided to not use this method.
Andrés started work on using MongoDB, spent several days in this connection setting, refactoring previous code to work for this. *This was probably the most difficult part, given the slim experience in Mongo. By using guide and external help Andrés fixed the connection.*
Carlos worked on the visual aspect and logs, Mike and Carlos created a separate git branch based on local files, while Andres worked on Mongo connection. By doing this, Carlos was able to generate a D3 function to create some graphics for the factory, and run this when changing types of data to visualize. *Visual aspects are are pain point, given our collective inexperience working with visual aspects, our ideas are basic, so we tried making sure they worked at least.*
Once Andrés was able to create a mongo connection that returned a json to the script, the functions were added into the js script.