Process Model - TraViz

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Process Model
Hybrid of Agile and Waterfall Models

Reasoning
The process model we have chosen for our project is a hybrid between the agile (in specific, the scrum) and waterfall model. We plan to do waterfall for the planning and modelling stages of the project while implementing the scrum model for the construction and deployment phases.

We chose the waterfall model for the planning and modelling stage as we have zeroed down on a clear set of requirements for the system during the elicitation phase of the communication stage which are detailed in the SRS document, and we plan to implement these in a straightforward fashion in these two stages. We want these stages to be carried forward without much complexity and thus, the simplicity of the waterfall model made the most sense.

However, in the construction and testing phases, we anticipate changes and want to put into place a process model that can withstand such changes - thus we chose the scrum model. In these stages, over multiple sprints, we hope to implement requirements and other features into the system and improve them while actively incorporating the stakeholders' feedback between sprints. We also think the aspect of standups during these phases will be more beneficial as it will make sure all the members of the team are on the same page and are aware of the work done by everyone. Moreover, all the members of the team are more equipped for working on different aspects of the system like backend development or data visualization, so it resembles a typical team carrying out the agile process model. Thus, we chose to follow the Scrum model in the latter half of the project workflow.