Outline

Abstract

1. Introduction: Purpose of the project
   1. Real time dynamic data visualizations for streaming data
   2. Why do we need a component that is general (drawing) and flexible(?)
2. Background with literature review
   1. What are components? How do they help visualization and design? Literature on software components and visualization
   2. Literature Review
      1. Streaming Data
      2. Data Analysis
      3. User Interaction
   3. Review of data streaming vis tools
      1. HighChart
      2. Chart.js
      3. Echarts
3. Approach
   1. Component Architecture
   2. Customizing Components for Stream Data
   3. Animated Elements for Streaming Data
4. Result
   1. Implementation success/effectiveness
   2. Industry Application
      1. The problem (threadline monitoring)
      2. design solution
      3. success/effectiveness
5. Conclusion
   1. Challenges Faced/ Success of the component idea
   2. What next for phase II
      1. Cross-Platform Adaptation
      2. additional features for our new components
      3. server side implementation
      4. ?? other things ??

References