

# A20530533, Kushagra Kasliwal

## Assignment 4, Phase 1- Report

### 1) Issue created in the master repository

The screenshot shows a GitHub issue page for 'Inconsistent Axis Label Rendering in Responsive Charts #29'. The issue is open and was created 18 hours ago by user KFA24SCM33K. The issue description details a problem with D3.js charts where axis labels do not adjust correctly when the browser window is resized, leading to misalignment or overlapping labels. It includes steps to reproduce the issue, the expected behavior, the actual behavior, the environment (D3.js v7.0.0, Chrome/Firefox/Edge, Windows 10/macOS Big Sur), and a possible solution to recalculate and re-render axis labels when container dimensions change. The right sidebar shows the issue's metadata: Assignees (KFA24SCM33K), Labels (Category: Enhancement, DetectionPhase: Coding, OriginationPhase: Coding, Status: Completed, Priority: Low), Projects (None yet), Milestone (No milestone), and Development (Create a branch for this issue or link a pull request).

**Inconsistent Axis Label Rendering in Responsive Charts #29**

**Open** KFA24SCM33K opened this issue 18 hours ago · 0 comments

KFA24SCM33K commented 18 hours ago

When resizing the browser window, axis labels in responsive D3.js charts do not always adjust correctly, leading to misaligned or overlapping labels, particularly on smaller screens. This issue is observed across different browsers and appears to affect both the x and y axes.

**Steps to Reproduce**

- Create a responsive chart using D3.js with dynamic width and height.
- Add axis labels (e.g., dates on the x-axis, numerical values on the y-axis).
- Resize the browser window or view the chart on a smaller screen.
- Observe how the labels overlap or become misaligned.

**Expected Behavior**

Axis labels should adjust in size, position, and alignment dynamically when the chart container is resized.

**Actual Behavior**

Labels remain fixed in size or position, causing overlap or truncation when the chart is resized.

**Environment**

- D3.js Version: v7.0.0
- Browser: Chrome, Firefox, Edge
- OS: Windows 10, macOS Big Sur

**Possible Solution**

Consider adding a feature to recalculate and re-render the axis labels when the container dimensions change, ensuring proper alignment and readability on all screen sizes.

**Assignees**

- KFA24SCM33K

**Labels**

- Category: Enhancement
- DetectionPhase: Coding
- OriginationPhase: Coding
- Status: Completed
- Priority: Low

**Projects**

- None yet

**Milestone**

- No milestone

**Development**

- Create a branch for this issue or link a pull request

### 2) Forked the master repository to my git account

The screenshot shows a GitHub repository page for 'SCM587FA24', which is a public repository forked from 'SPM587FA24/SCM587FA24'. The repository has 1 branch (main) and 0 tags. The page shows the commit history, with the most recent commit by KFA24SCM33K titled 'Fixes SPM587FA24#29. KFA24SCM33K Adding first name' 12 hours ago. The commit history also shows a revert of a previous commit and a first commit 2 months ago. The repository is currently 1 commit ahead of and 1 commit behind the upstream repository.

**SCM587FA24** Public

forked from [SPM587FA24/SCM587FA24](#)

main 1 Branch Tags

Go to file Add file <> Code

This branch is 1 commit ahead of, 1 commit behind SPM587FA24/SCM587FA24:main . Contribute Sync fork

KFA24SCM33K Fixes [SPM587FA24#29](#). KFA24SCM33K Adding first name 3a5a4cd · 12 hours ago 24 Commits

Phase\_1\_Report Revert "Added Phase 1 Report "HFA24SCM28G"" 13 hours ago

Phase\_2\_Report first commit 2 months ago

### 3) Committed created to my fork repository

 j.java	first commit	2 months ago
 k.java	Fixes <a href="#">SPM587FA24#29</a> . KFA24SCM33KAdding first name	12 hours ago
 l.java	first commit	2 months ago
 m.java	first commit	2 months ago
 n.java	first commit	2 months ago
 o.java	first commit	2 months ago