**Interactive Exploration of Multidimensional YouTube Data Using the GPLOM Technique**

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Visit [git.io/vwDqw](https://git.io/vwDqw) for a live demo.

**Technique**
- Used the GPLOM technique by Im et al. [3].
- Uses a scatterplot for two quantitative attributes.
- Uses a bar chart for a categorical and quantitative attribute.
- Uses a heatmap for two categorical attributes.

**Dataset**
- Used 202 videos from "Statistics and Social Network of YouTube Videos" project [2].
- Combined categories, like "Howto & DIY" and "Gadgets & Games", into an "Other" category.
- Binned total views into less than 10k, 10k to 50k, 50k to 100k, and 100k+ views.
- Binned average rating into ★, ★★, ★★★, etc.

**Implementation (Left Panel)**
- a) Used D3.js [1] and 27 linked SVGs total.
- b) Example of focus + context [4] on heatmap. The row, column, and legend entry are highlighted.

**Findings (Right Panel)**
- a) Total comments and ratings increase as the total view increases, but ratings increased more drastically for videos over 100k views.
- b) "News and Politics" has the most comments and ratings, but not the most 5★ ratings.
- c) As the length increases, the ratings tend to be higher but total views tends to be lower.

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