Data Extraction and Visualization Application for e-Nable’s Google+ Community
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Introduction
- Individuals from around the world use 3D printers to create free 3D printed hands and arms
- Over 8000 community members and an active Google+ page
- 2000 devices created and gifted to individuals in over 45 countries

Background

Motivation
- No API to access data
- This data can be used for analyzing quality of people in the community and other analysis purposes and the results can help the community to evolve

Data
- 3 MongoDB collections: Post, User and Comment
- Analyzed data for 2500 users, 9000 posts and 50000 comments

Results

Implementation Approach

Contribution
- Built an infrastructure to collect data from Google+ community page
- Performed analysis on the data
- Visualized the data
- Packaged a platform that can be developed in future

Future Work
- Extract JavaScript generated data on google+ community page
- Add new visualizations and develop a portal to securely display the visualizations
- Enhance interactivity of the visualizations
- Perform Topic modelling on the data
- Use new techniques to perform through analysis of the data

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References