BigBang Update

Sebastian Benthall

IETF 118
The work for this release was initiated at the Internet Engineering Task Force 116 Hackathon.

- New Notebook: Email Body Named Entity Recognition
- New Notebook: Extracting the sentiment versus estimated gender of participants on the mailing list.
- Updates to the README
- Change from requests to urllib in mailmain ingest module
- Replace bin/ scripts with command line interface
- Fixed regression error in archive restoration
Next steps: mapping actor dominance in working groups

Article 19 is working with BigBang to *map dominance in Internet SDOs*

Who are the *actors* most active in each working group, over time?

<table>
<thead>
<tr>
<th>Actors</th>
<th>Activities</th>
</tr>
</thead>
<tbody>
<tr>
<td>Individuals</td>
<td>Leadership (WG Chairs)</td>
</tr>
<tr>
<td>Organizations (affiliations, institutions)</td>
<td>Authorship (RFC authors)</td>
</tr>
<tr>
<td></td>
<td>Influence (Mailing list activity)</td>
</tr>
</tbody>
</table>
BigBang 0.6 Roadmap

● **Data ingest:**
  ○ Update default IETF email ingest behavior – to use IMAP or rsync
  ○ Other refactoring and maintenance of existing scripts and notebooks
  ○ W3C leadership and authorship data

● **Analysis**
  ○ Scripts for computing activity in Leadership, Authorship, and Influence across multiple SDOs

● **Looking forward: a feasibility study of other SDOs, including:**
  ○ 3GPP
  ○ ITU-R and ITU-T
Grant proposal

Working on a grant proposal for developing a new dashboard, based on BigBang.

- Building on the actor dominance project, show map of interactions between actors within and across working groups.
- NLP analysis of topics discussed over time.
GitHub: https://github.com/dataactive/bigbang

Contact me: spb413@nyu.edu