Purpose: We are interested in performing a time series analysis of an event of interest and comparing the bias in traditional forms of reporting through media/radio broadcasting with more recent news deveopments through social media platforms like Facebook and Twitter.

Some events of interest include gauging sentiments on the Wikileaks scandals/assess the reporting bias in different countries as well as through traditional versus more social news reporting mediums. This topic is also related to analyzing net neutrality and assessing traditional news media versus social media/Facebook reporting bias.

We can also analyze spread of Zika virus spatially and analyze sentiments surrounding Zika in news media coverage as well as on social networking sites.

Additional topic of interest could include analyzing how social platforms like Facebook enforce an echo chamber where the user is only introduced to ideas/friends similar to oneself thus cultivating a narrow minded personality. This could eventually produce social isolation. We can perform this analysis by assessing individuals' social networks as well as using news coverage data from GDELT to analyze linkage between depression and increased social media consumption.

Data: Besides the Event Exporter service (that provides a raw account of events around the world as well as the actors involved) in the earlier draft, GDELT also contains an Event Geographic Network, Heatmapper, Timeline, Network map (spreadsheet of most importance influencers in an event), Word Cloud and Tone Timeline, all freely accessible. This may be potentially informative for visualization contexts.

Additionally, we were able to find current blogs on the GDELT site that show use of BigQuery in extracting data. The query below was used to map the spread of Google's AMP Mobile pages

```
SELECT count(1) Total,sum(Extras like '%AMP%' or Extras like '%MOBILE%') /
count(1) * 100 PercentAMPMobile,
sum(Extras like '%AMP%' ) / count(1) * 100 PercAMP,
sum(Extras like '%MOBILE%') / count(1) * 100 PercMobile,
sum(TranslationInfo is not null)  / count(1) * 100 PercentTranslated,
sum(Extras like '%AUTHORS%') / count(1) * 100 PercentHaveAuthors,
sum(Extras like '%PAGE_LINKS%') / count(1) * 100 PercentHaveLinks,
sum(Extras like '%PRECISE%') / count(1) * 100 PercentHavePrecisePubDate FROM
[gdeltv2.gkg] where DATE>=20160422000000;
```

*Additionally query for this study can be found at:

http://blog.gdeltproject.org/mapping-the-spread-of-googles-amp-mobile-pages/

End Products: One of the end products could include mapping the transition in news/media coverage of these events over a segment of time. GDELT provides a neat overview of mapping data retrieved from BigQuery using CartoDB (http://blog.gdeltproject.org/new-one-minute-maps-bigquery-udf-cartodb/).