Twitter Public Survey

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INFO 480

https://github.com/cvalentino3/twitter-public-survey

Goals

- Capture Twitter Data in Real-Time
- Parse This Data For Analysis
- Transform Data into Wordcloud(s)
- Analyze Public Response at High Level

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Open Source Tools Used

- Bash, Python, R
- Tweepy API (Python)
  - Python Package to assist in working with REST 1.1 Twitter Streaming API
- R Studio
  - Text Mining (tm) Package
  - Word Cloud (wordcloud) Package

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Capturing Data!

- Passing #keyword argument to Python Script which writes JSON files of the streaming Twitter data
- Once the file is written it is passed to a python script to convert the data into CSV data

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Building Visualization

- An R script is used to build the wordcloud inheriting the data from the CSV output

```
wordcloud(tweetCorpus, max.words=350, rot.per=.15, vfont=c("sans serif","plain"), min.freq=3, scale=c(45,.8), colors
=brewer.pal(3, "Dark2"))
```

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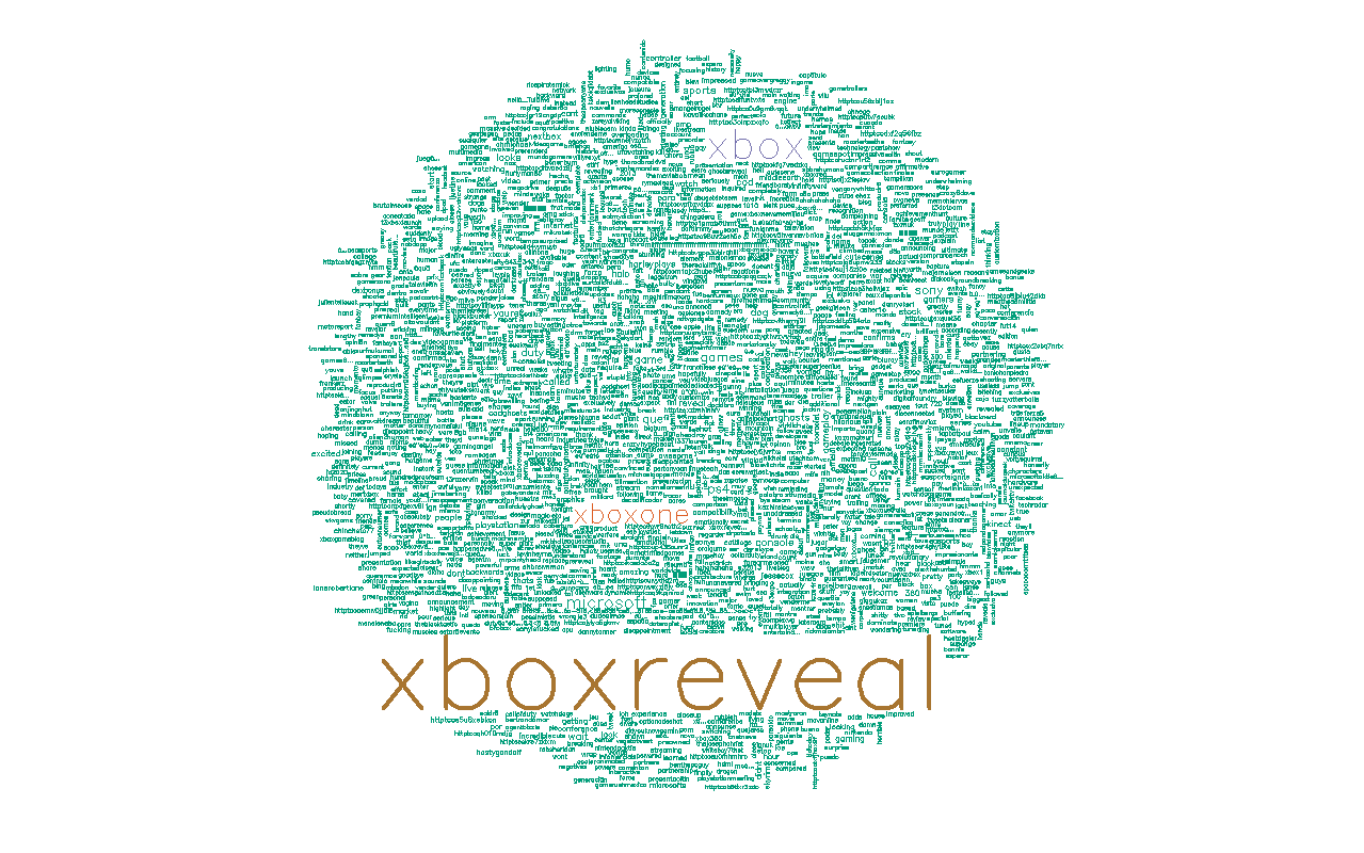
Initial Wordcloud Build (Inf,1, 8,.2)



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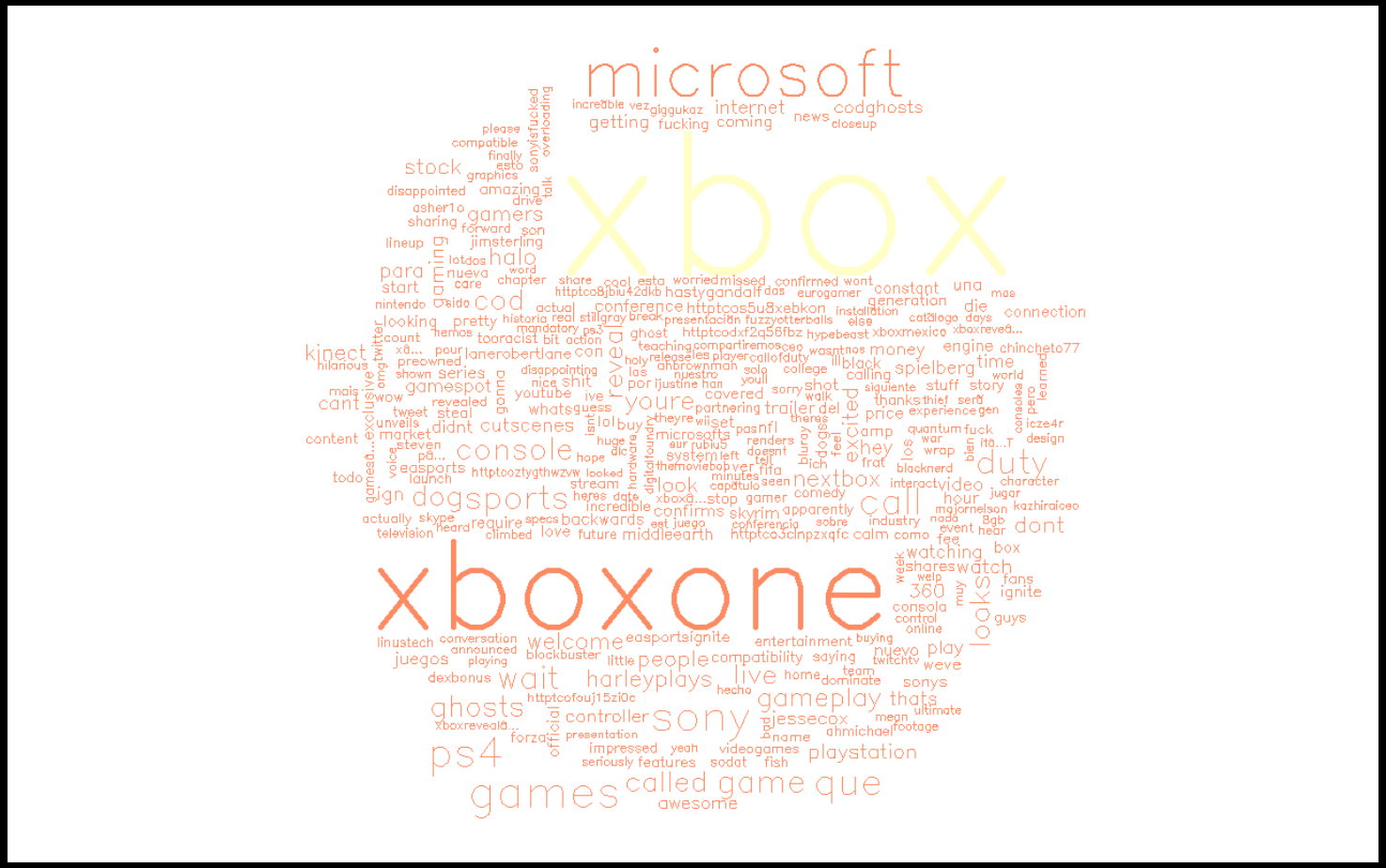
Second Build (500, 5, 10,.5)



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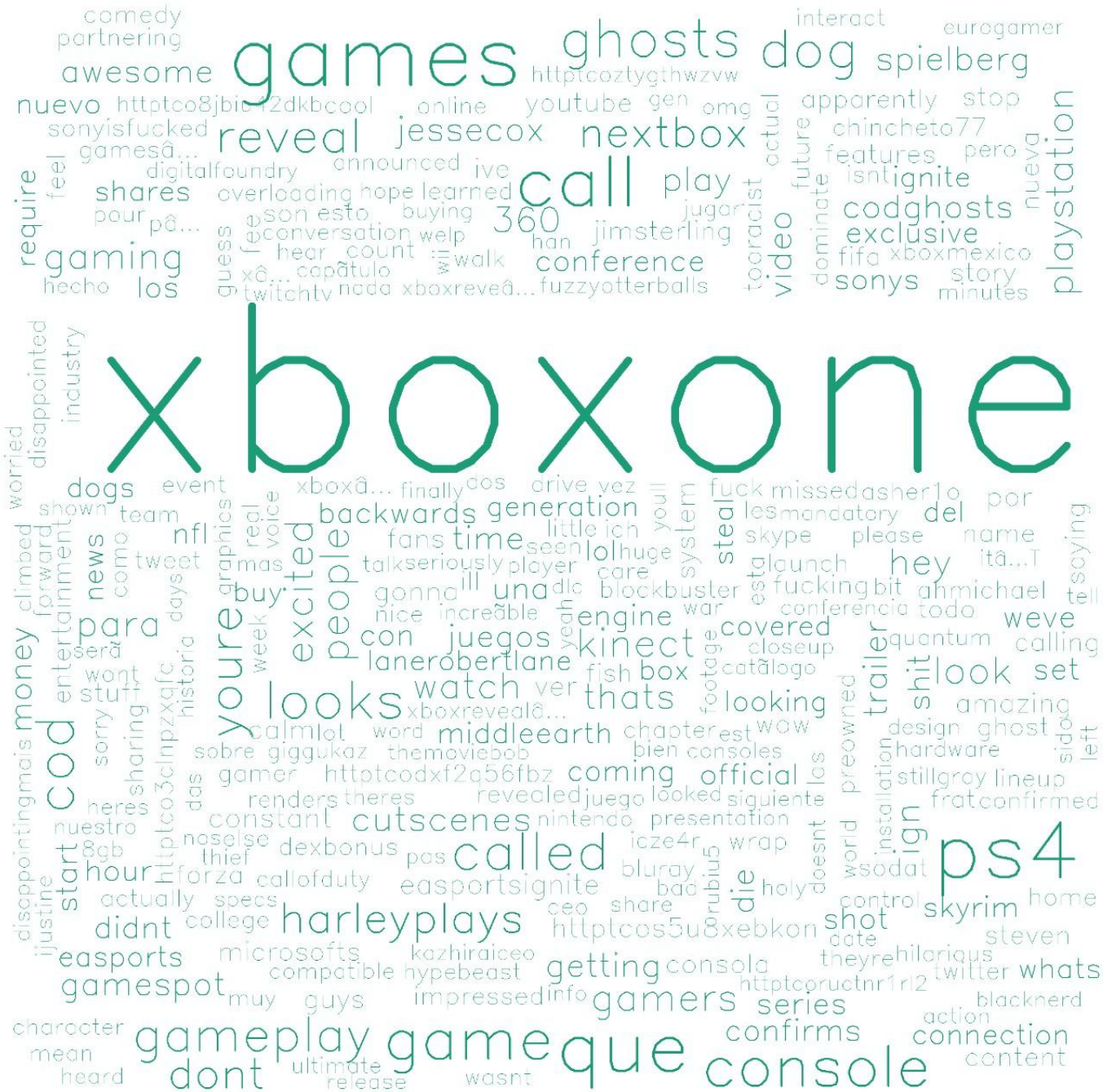
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announced
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