

The Twitter Connection [Working Title]

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1. PROJECT PROPOSAL

1.1 Problem

A description of the problem you plan to solve and the motivations for doing so (i.e., why this problem is interesting/important).

Twitter is a social media platform with 284 million users active per month, tweeting approximately 500 million tweets per day. [2] At a maximum of 140 characters per tweet and about 1 byte per character¹ this represents an informational flow of over 70GB of text per day. An average book is about 2MB in size [1], so Twitter users are collectively writing about 35,000 books a day.

1.2 Goals

The goals you have for the project. What constitutes success and how will you evaluate it?

1.3 Hypothesis

Your hypothesis: given the work you intend to do, what are the results you expect to see? How does this work help to solve the problem?

1.4 Environment

Characterize environment you intend to operate in. Does your project operate on Amazon Web Services? on the general Internet? in a data center?

We intend to operate using Amazon Web Services. TWITCON(WT) consists of an always-on EC2 instance

2. REFERENCES

- [1] L. Daly. How big is the average epub book?
- [2] Twitter Inc. About Twitter, Inc., 2014.

¹Issues arise with different encodings, but we ignore these for the sake of our back-of-the-envelope calculation

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