**Learning harm reduction practices in online drugs markets.**

Technicalities

* Started with Music lyrics to play with elastic search.
* Moved on to stackexchange chat forums (available online).
* Harm reduction chat forums (DreamMarket), which is now in an elasticsearch cluster.
* The motivation to do this was to start with familiar data and metadata associated with it, then move on to data that has unfamiliar content.

Tech stack:

* Elasticsearch to store the chat forum data and metadata.
* Ace for the frontend
  + Will allow user to enter query and retrieve the relevant forum.
  + Ace has markdown and json formats supported, which will allow both technologically familiar and unfamiliar users to enter queries.
* Jersey to connect the java backend to JS frontend.
* Grizzly to deploy.

Stackexchange data on 3D printing.

* Data was stored on my local elasticsearch cluster using Java.
* Indexed under blogs
* Played with retrieving data in various ways
  + Based on keyword
  + Based on the whole query (JSON).
* React ace frontend- can enter a query.

The posts from DreamMarket are stored on a remote server.

* Perform NLP to create a sophisticated information retrieval system.
* Grizzly and Jersey to connect java & JS.
* Apply the same to bulk data from StackExchange and DreamMarket posts.