PRIMRE Research Questions Work

The presentation of an answer begs an explanation of the question. With respect to this work task, which I have elected to title, “PRIMRE Research Questions,” the question is;

Now that we have spent time and resources cultivating PRIMRE, what can we do with its contents? With this perspective in mind, we can then consider:

1. “What sort of things would we like to do? That is: what operations are generally employed to extract knowledge form data, and can we apply those here?”
2. If we cannot use the normative methods for extracting knowledge from data, what novel methods might we employ in their place?

I will parallel the above structure to guide the reader to my consequent proposed research questions.

1. From my general acquaintance with this problem, I believe that most normative data science techniques will fail to deliver substantive insight into the contents of and uses for the data contained in PRIMRE.

We might define a “datum” to be a singular measurement or guidance that is presented alongside context such that it conveys information to the audience. Nearly all the data contained by the “PRIMRE Universe” is text-based and only human readable. The nature of the data thereby presents the following problems:

* 1. Unclear objective or application of machine learning
  2. Difficulty in isolating the data from source texts
  3. Lack of meaningful categorization scheme that would accurately and effectively capture all data

1. Because most traditional methods fail because the “PRIMRE universe” lacks necessary structure, we can state with confidence that a technique that successfully delivers insight into the contents and user for PRIMRE data will capitalize on this unstructured nature.

Most to least feasible:

* 1. Literature reviews
  2. Case studies
  3. Language Processing

Rider:

* 1. Projects Database mining.

Equally suited to the data, all would give context to novel discovery

I need to consolidate to clarify my perspective in the CATEGORIES – how do the options differ?

|  |  |  |  |
| --- | --- | --- | --- |
|  | Time horizon (1=short | Freshness (all info is interesting) |  |
| Literature Reviews | 3 | 2 |  |
| Case Studies | 2 | 1 |  |
| Language Processing | 4 | 4 |  |
| Projects Database | 1 | 4 |  |
|  |  |  |  |