Novel Science
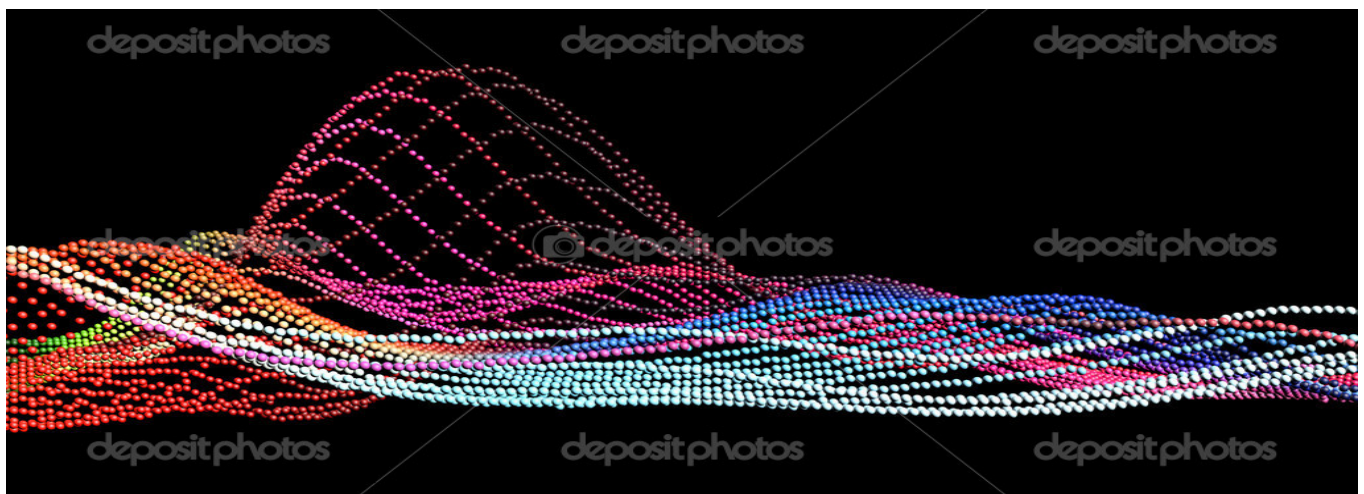
How can I use data science and popular novels to improve my novels?

What is the visual cadence of a novel and how do mine compare?

How

1. Break down novel into sentences.
2. Break down sentences into syllables using regular expressions or dictionaries.
3. Count the number of syllables in each sentence.
4. Visually display the variation in sentence length.

Data

Novels in raw text form from the Gutenberg Project.
My novels in progress.

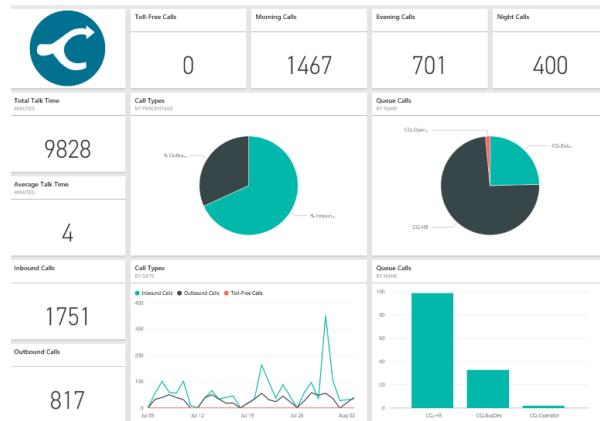## Novels Chosen So Far:

Wizard of Oz
Alice in Wonderland
Dr. Jekyll and Mr. Hyde
Frankenstein
The Odyssey

Scenes

Define the begining and ending of scenes by looking
for words and patterns that are found in different types of scenes.

It is good to vary the texture of stories by putting contrasting
scenes next to each other.

Examples

- Fast Action
- Slow Romance
- Heavier with Scenery - include very few of these.
- Scenes Heavier with Dialogue

How Does the Intensity of Emotion Vary Through the Novel?

Comparisons

**How can I compare novels that vary in length
other than visually?**

After I break down a novel into sentences, syllables, and characters I
will be able to explore my data better.

**A not very educated idea on how to compare the
rhythmic patterns of varied length novels:**

Divide the novels into equal number of pieces:
5000
3000
1000
500
100
Chunks that match a story structure (25%, 50%, 25%)

Divide the number of syllables in each piece by the number of
characters in that piece. Compare the results of the different
novels and find clusters.