

1. Which text analysis algorithm that you are going to use. Give the algorithm name and author even if you are the author.

I will use the New Dale-Chall algorithm. It was created by Edgar Dale and Jeanne Chall.

2. What measurements that will be taken. Example: number of words? number of syllables per word? words found on a word list?

- Average Sentence Length
- Percentage of Difficult Words
- Number of Words
- Words found on a Familiar Word List

3. How do you plan to determine the outcomes of the measurement. For example, if your algorithm states that you need to determine the number of syllables in a word, how do you plan to do this? If you are counting the number of vowels, will ending e's count? what about double vowels such as 'ee' ?

The algorithm does not require the counting of syllables. To separate the words, I will pull out a substring starting after the beginning of the string and ending at the next blank space. The string holding the line will gradually shrink and then the program will move to the next line. The words will be counted and then checked against the familiar word list. If the word is not on the [List of 3000 Familiar Words](#), then it is classified as a difficult word. The algorithm does not use syllable count for word difficulty and instead checks against words that most readers would understand.

4. List two of the files that you plan to use to test your code

[SCGSSM Student Handbook.txt](#)

[Hitler Speech.txt](#)

The algorithm is stronger because it uses a word list to calculate the difficulty rather than syllable count. Some longer words are easy to understand, like watermelon.

File	Score
APUSH Test Instructions  <a href="https://drive.google.com/file/d/1QSb0YQYOd9yMZd24Ce1FyLhui9k4MqID/view?usp=sharing">https://drive.google.com/file/d/1QSb0YQYOd9yMZd24Ce1FyLhui9k4MqID/view?usp=sharing</a>	9th Grade
Fox  <a href="https://drive.google.com/file/d/1x8xxXCWQzhCuCRFL0PvCzmmoJu53nLmy/view?usp=sharing">https://drive.google.com/file/d/1x8xxXCWQzhCuCRFL0PvCzmmoJu53nLmy/view?usp=sharing</a>	Below 4th Grade
GSSM Handbook  <a href="https://drive.google.com/file/d/1dAuwTK-7nZYk0nru82gU1K10OxJH-agr/view?usp=sharing">https://drive.google.com/file/d/1dAuwTK-7nZYk0nru82gU1K10OxJH-agr/view?usp=sharing</a>	10th Grade
Hitler Speech  <a href="https://drive.google.com/file/d/1hnkEiudZR9e7GqtiuFRKZNNOdTJsUxEb/view?usp=sharing">https://drive.google.com/file/d/1hnkEiudZR9e7GqtiuFRKZNNOdTJsUxEb/view?usp=sharing</a>	11th Grade
Oh The Places You'll Go  <a href="https://drive.google.com/file/d/1XpS_SwJa_KYwjpJ_I7Gs-5Hb2J4aubD-/view?usp=sharing">https://drive.google.com/file/d/1XpS_SwJa_KYwjpJ_I7Gs-5Hb2J4aubD-/view?usp=sharing</a>	5th Grade
FDR Address  <a href="https://drive.google.com/file/d/1gJuhlAeQb2kPv6-CNL9mDEem6KP6fIPf/view?usp=sharing">https://drive.google.com/file/d/1gJuhlAeQb2kPv6-CNL9mDEem6KP6fIPf/view?usp=sharing</a>	10th Grade
Harry Potter  <a href="https://drive.google.com/file/d/17p0WPgYOsg3qCnfBJV6_5P2MKXsqL6nB/view?usp=sharing">https://drive.google.com/file/d/17p0WPgYOsg3qCnfBJV6_5P2MKXsqL6nB/view?usp=sharing</a>	7th Grade
Chem Textbook  <a href="https://drive.google.com/file/d/1c_dNxSpaLqjRfRwn6_n114ywSoG5GXix/view?usp=sharing">https://drive.google.com/file/d/1c_dNxSpaLqjRfRwn6_n114ywSoG5GXix/view?usp=sharing</a>	11th Grade
Anna Karenina	10th Grade

<a href="https://drive.google.com/file/d/1R5uD9Rr16S3FCB-MqJcP-zAi3d0euV8R/view?usp=sharing">https://drive.google.com/file/d/1R5uD9Rr16S3FCB-MqJcP-zAi3d0euV8R/view?usp=sharing</a>	
Calculus  <a href="https://drive.google.com/file/d/1elagbLax2S5S-Su-NpmW5p2ZofokAFwv7/view?usp=sharing">https://drive.google.com/file/d/1elagbLax2S5S-Su-NpmW5p2ZofokAFwv7/view?usp=sharing</a>	9th Grade