

## Supplemental Digital Content 1: Readability Tests Utilized

Readability Test	Score Type	Readability Score Equation	Qualities Assessed
Flesch-Kincaid	Grade Level	$G = (0.39 \times ASL) + (11.8 \times ASW) - 15.59$	Sentence length and number of syllables
Flesch Reading Ease	Score range (0-100) - The higher the score the easier the piece	$RED = 206.835 - (1.015 \times ASL) - (84.6 \times ASW)$	Sentence length and number of syllables
Fry	Grade Level	<ol style="list-style-type: none"> <li>1.Count the number of sentences in 3 samples of 100 words, and average</li> <li>2.Count the number of syllables in 3 samples of 100 words, and average</li> <li>3.Ploto on Fry Graph</li> </ol>	Sentence length and number of syllables
Gunning Fog	Grade Level	$G = 0.4 (ASL + PHW)$	Sentence length and percentage of difficult words
Raygor Estimate	Grade Level	<ol style="list-style-type: none"> <li>1.Extract 100 word samples</li> <li>2. Count number of sentences</li> <li>3. Count number of words &gt;6 letters</li> <li>4. Plot on Raygor graph</li> <li>5. Ragor estimate 1/4 average of samples</li> </ol>	Word length and Sentence length
SMOG	Grade Level	$G = 1.0430\sqrt{(NOP \times (30/s))} + 3.1291$	Word complexity (polysyllables) and sentence length
Hemingway Calculator	Grade Level	$G = 4.71 * \text{average word length} + 0.5 * \text{average sentence length} - 21.43$	Average word length, average sentence length