

Measuring the "Readability" of Text





By the end of this video you will be able to...

- Describe how the Flesch Readability Score can be used to determine the readability of text

There is hereby imposed on the taxable income of every individual (other than a surviving spouse as defined in section 2(a) or the head of a household as defined in section 2(b)) who is not a married individual (as defined in section 7703) a tax determined in accordance with the following table:

26 U.S. Code § 1 – Tax imposed
<https://www.law.cornell.edu/uscode/text/26/1>



If you are single, never lost your spouse, and not the head of a household, you pay taxes according to the following table:



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How do we quantify the difference?

If you are single, not the head of a household, you pay a tax determined in accordance with the following table:

Measure of text readability

$$\textit{Flesch score} = 206.858 - 1.015 \left(\frac{\# \textit{ words}}{\# \textit{ sentences}} \right) - 84.6 \left(\frac{\# \textit{ syllables}}{\# \textit{ words}} \right)$$

low

low

$$Flesch\ score = 206.858 - 1.015 \left(\frac{\# words}{\# sentences} \right) - 84.6 \left(\frac{\# syllables}{\# words} \right)$$

High score (>90) → easy to read

Few words/sentence and few syllables/word

high

high

$$Flesch\ score = 206.835 - 1.015 \left(\frac{\# words}{\# sentences} \right) - 84.6 \left(\frac{\# syllables}{\# words} \right)$$

Low score (<30) → difficult to read

Many words/sentence and many syllables/word

Measure of text readability

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There is hereby imposed on the taxable income of every individual

2(a) or
is not a

Flesch score = 12.6


(Post graduate degree reading level)

determined in accordance with the following table:

If
he **Flesch score = 65.8 (10th grade reading level)**

$$\textit{Flesch score} = 206.835 - 1.015 \left(\frac{\# \textit{ words}}{\# \textit{ sentences}} \right) - 84.6 \left(\frac{\# \textit{ syllables}}{\# \textit{ words}} \right)$$

Requires the ability to manipulate Strings!


$$\textit{Flesch score} = 206.835 - 1.015 \left(\frac{\# \textit{ words}}{\# \textit{ sentences}} \right) - 84.6 \left(\frac{\# \textit{ syllables}}{\# \textit{ words}} \right)$$