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:

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:

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

There is hereby imposed on the taxable income of every individual (other tha~~t~~ **Hard to read** ~~s~~ defined in section 2(a) or the head of ~~a~~ ~~household as define~~d in section 2(b)) who is not a married individual (as defined in section 7703) a tax determined in accordance with the following table:

How do we quantify the difference?

If you are single, ne~~ver married~~ **Easy to read** ~~a~~nd not the head of a household, you pay ~~tax according to th~~e following table:

Measure of text readability

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

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low **low**

High score (>90) → easy to read

Few words/sentence and few syllables/word

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

high

high

Low score (<30) → difficult to read

Many words/sentence and many syllables/word

Measure of text readability

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

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:

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

There is hereby imposed on the taxable income of every individu... ...ction 2(a) or ...))) who is not a... ...ax determined in accordance with the following table:

Flesch score = 12.6
(Post graduate degree reading level)

If ... ho...eho..., you pa... taxes according to the ...ollowing table:

Flesch score = 65.8   (10th grade reading level)

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

Requires the ability to manipulate Strings!

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