NLP HANDS-ON FRIDAY

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FARDEEN NADEEM SHAIKH

17BCE0796

Hands on readable.com

It was great working and understanding readable.com. Also, it was great to know that we know very little English.

One of the reading ease tests that readable.com uses is mentioned below:

Flesch reading-ease test

In the Flesch reading-ease test, higher scores indicate material that is easier to read; lower numbers mark passages that are more difficult to read. The formula for the Flesch reading-ease score (FRES) test is

$$206.835 - 1.015\left(\frac{\text{total words}}{\text{total sentences}}\right) - 84.6\left(\frac{\text{total syllables}}{\text{total words}}\right)$$

Scores can be interpreted as shown in the table below.

Score	School level	Notes
100.00–90.00	5th grade	Very easy to read. Easily understood by an average 11-year-old student.
90.0–80.0	6th grade	Easy to read. Conversational English for consumers.
80.0–70.0	7th grade	Fairly easy to read.
70.0–60.0	8th & 9th grade	Plain English. Easily understood by 13- to 15-year-old students.
60.0–50.0	10th to 12th grade	Fairly difficult to read.
50.0–30.0	College	Difficult to read.
30.0–0.0	College graduate	Very difficult to read. Best understood by university graduates.

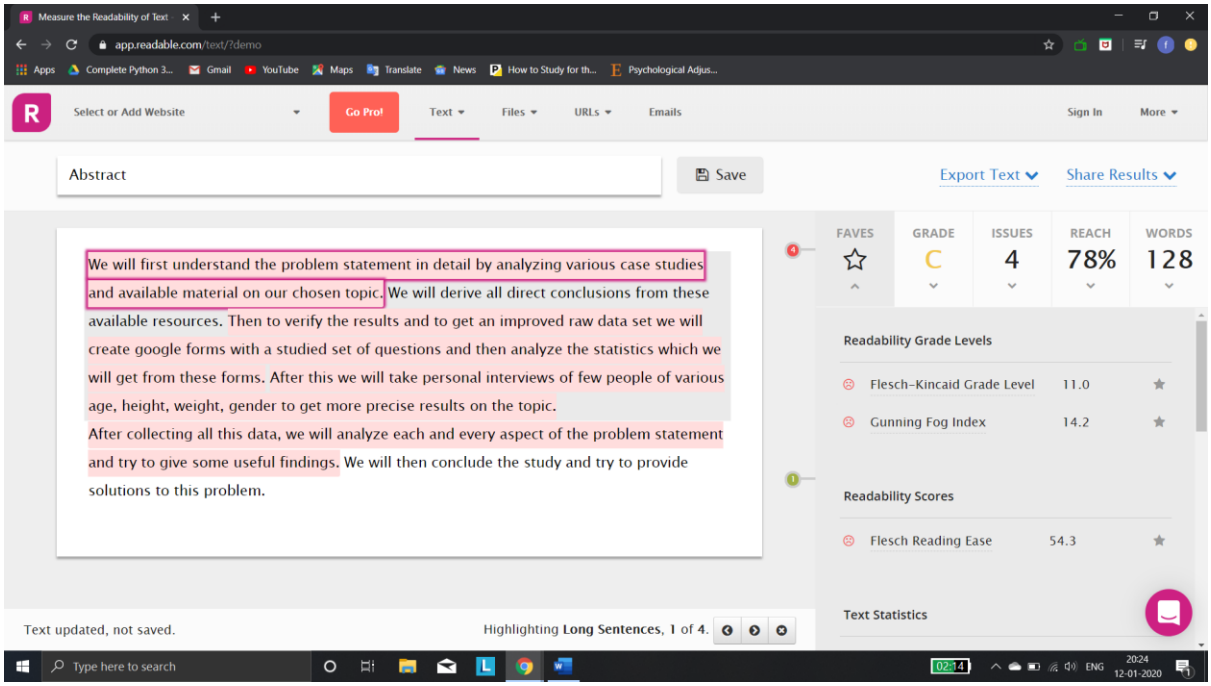
Flesch–Kincaid grade level

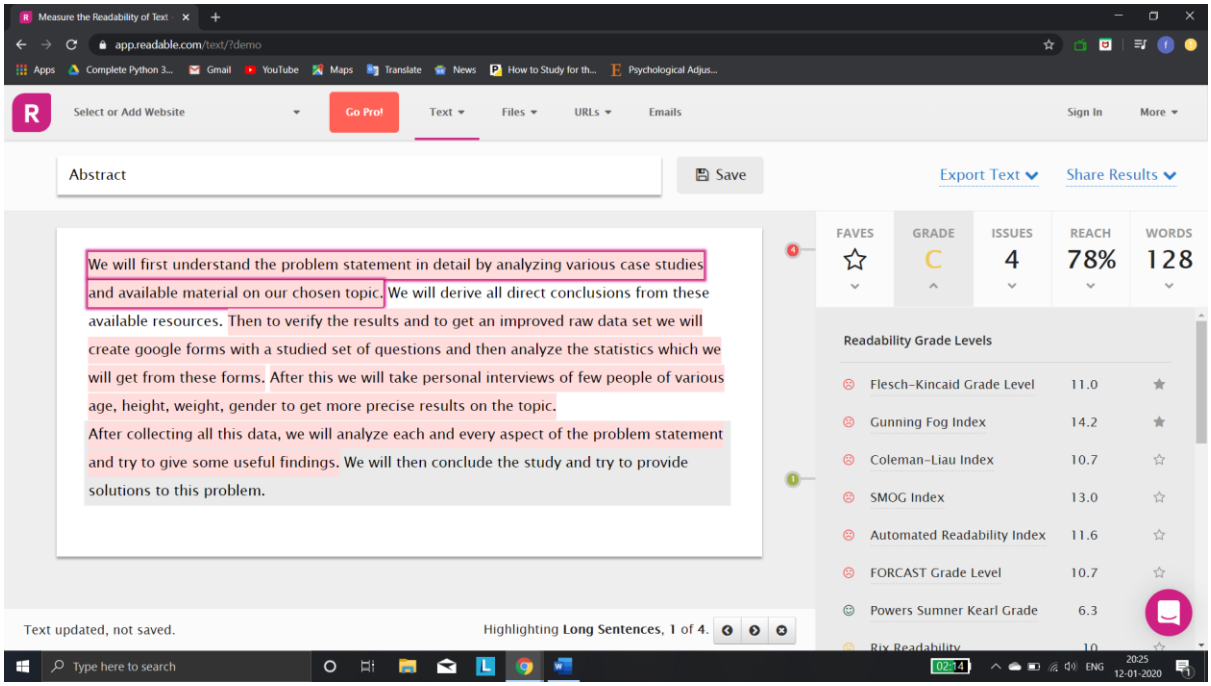
These readability tests are used extensively in the field of education. The "Flesch–Kincaid Grade Level Formula" instead presents a score as a U.S. grade level, making it easier for teachers, parents, librarians, and others to judge the readability level of various books and texts. It can also mean the number of years of education generally required to understand this text, relevant when the formula results in a number greater than 10. The grade level is calculated with the following formula:

$$0.39\left(\frac{\text{total words}}{\text{total sentences}}\right) + 11.8\left(\frac{\text{total syllables}}{\text{total words}}\right) - 15.59$$

I have typed a paragraph and then made changes accordingly to improve my grade.

Following are the screenshots of the same:

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We will first understand the problem statement in detail by analyzing various case studies and available material on our chosen topic. We will derive all direct conclusions from these available resources. Then to verify the results and to get an improved raw data set we will create google forms with a studied set of questions and then analyze the statistics which we will get from these forms. After this we will take personal interviews of few people of various age, height, weight, gender to get more precise results on the topic.
After collecting all this data, we will analyze each and every aspect of the problem statement and try to give some useful findings. We will then conclude the study and try to provide solutions to this problem.
FAVES
GRADE
C
ISSUES
4
REACH
78%
WORDS
128
Readability Grade Levels
Flesch-Kincaid Grade Level 11.0
Gunning Fog Index 14.2
Coleman-Liau Index 10.7
SMOG Index 13.0
Automated Readability Index 11.6
FORCAST Grade Level 10.7
Powers Sumner Kearl Grade 6.3
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Highlighting Long Sentences, 1 of 4.
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ENG
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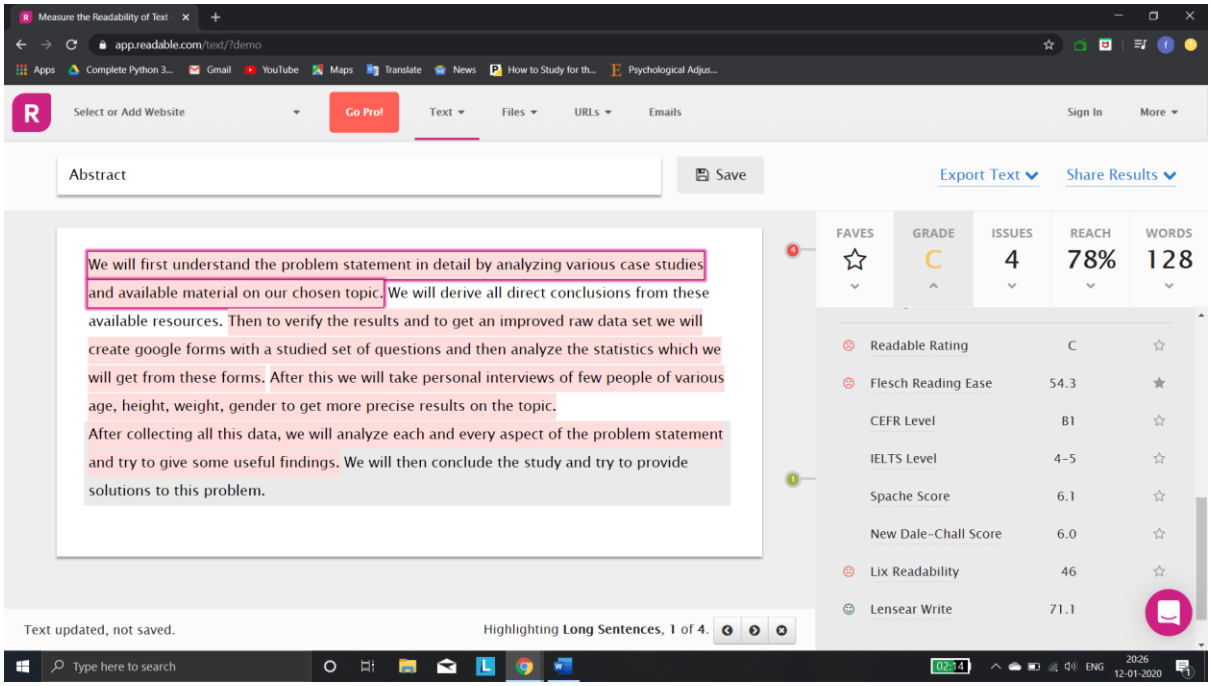
12-01-2020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GRADE
C
ISSUES
4
REACH
78%
WORDS
128
Readable Rating C
Flesch Reading Ease 54.3
CEFR Level B1
IELTS Level 4-5
Spache Score 6.1
New Dale-Chall Score 6.0
Lix Readability 46
Lensear Write 71.1
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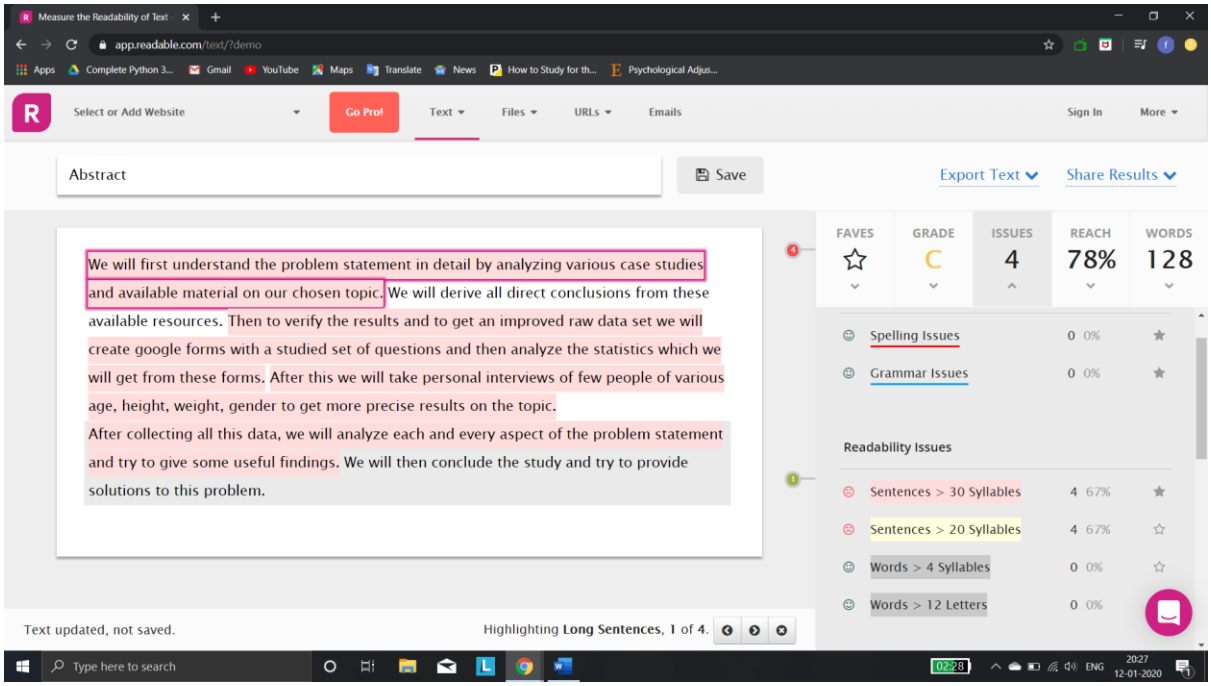
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FAVES
GRADE
ISSUES
4
REACH
78%
WORDS
128
Spelling Issues
0 0%
Grammar Issues
0 0%
Readability Issues
Sentences > 30 Syllables
4 67%
Sentences > 20 Syllables
4 67%
Words > 4 Syllables
0 0%
Words > 12 Letters
0 0%
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Highlighting Long Sentences, 1 of 4.
Type here to search
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ENG
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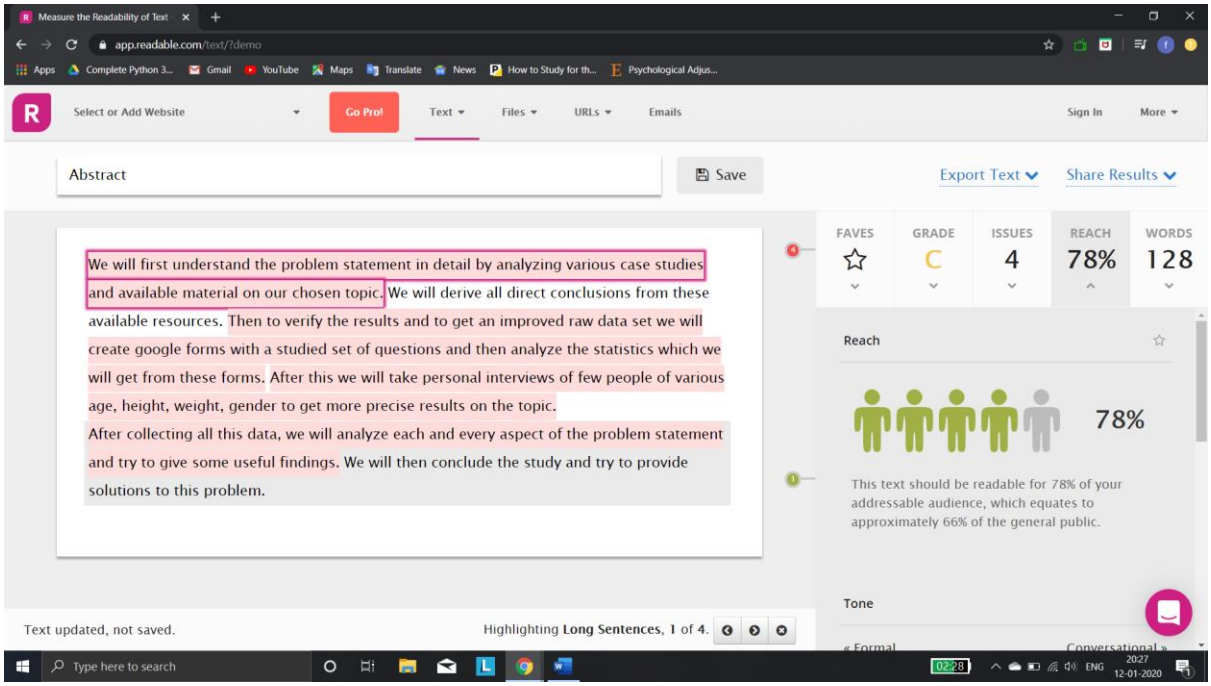
12-01-2020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GRADE
ISSUES
4
REACH
78%
WORDS
128
Reach
78%
This text should be readable for 78% of your addressable audience, which equates to approximately 66% of the general public.
Tone
« Formal
Conversational »
Text updated, not saved.
Highlighting Long Sentences, 1 of 4.
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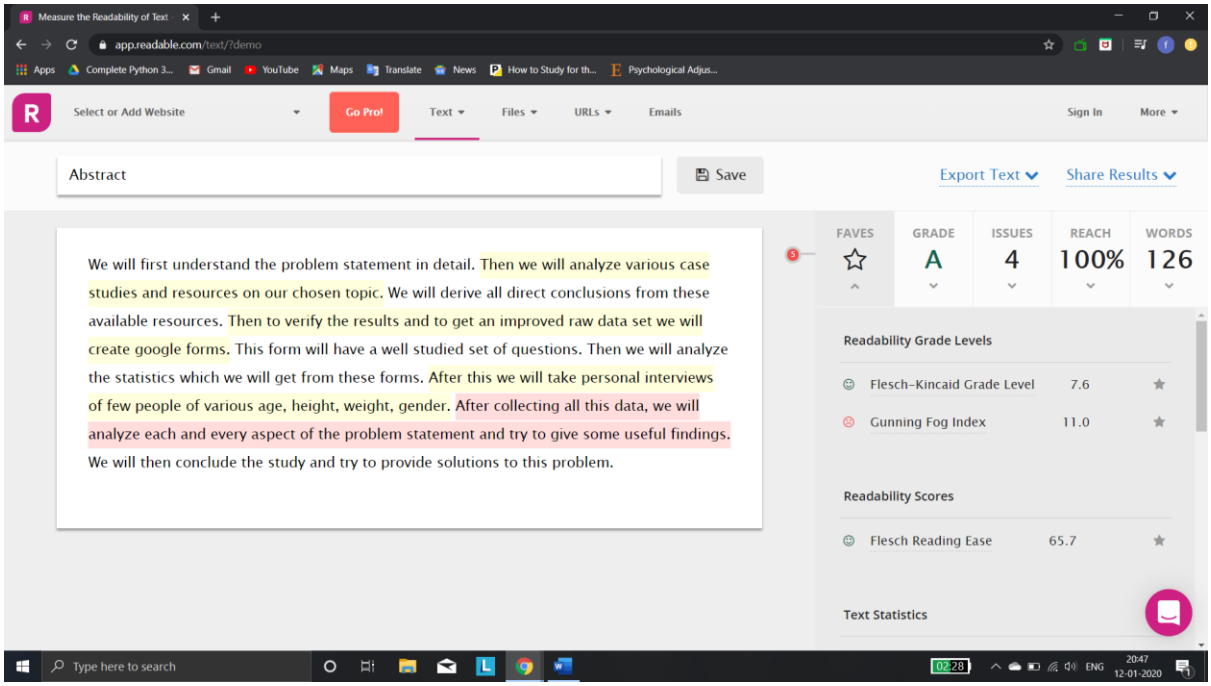
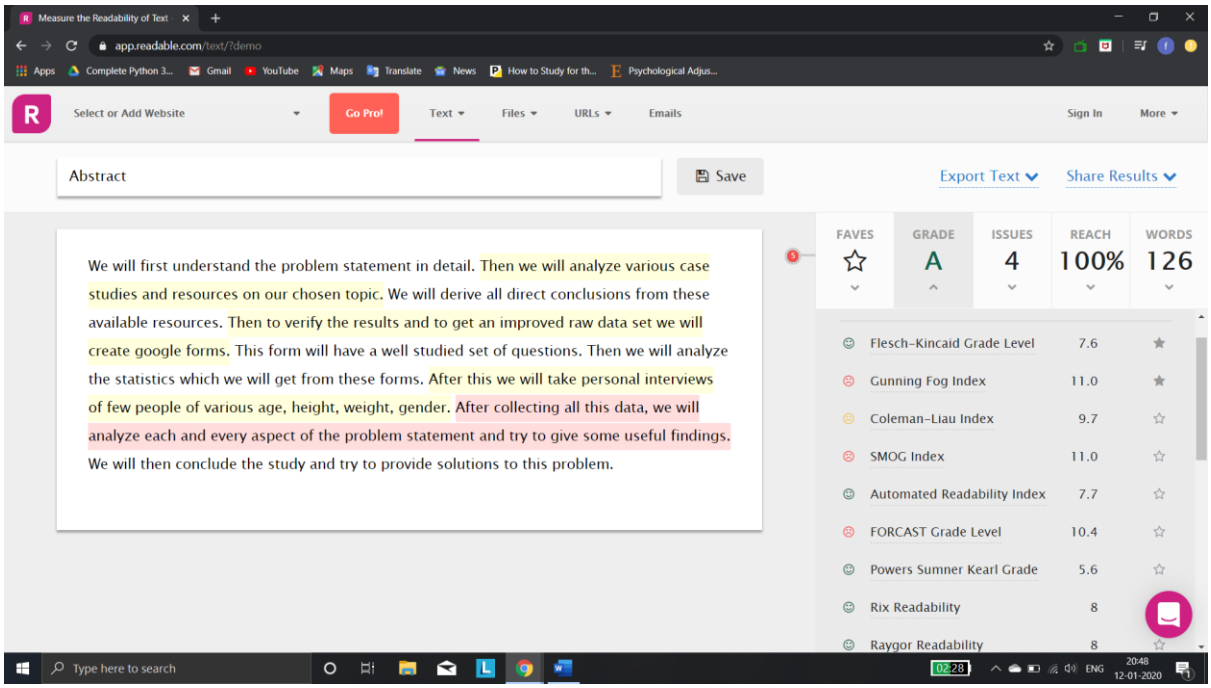
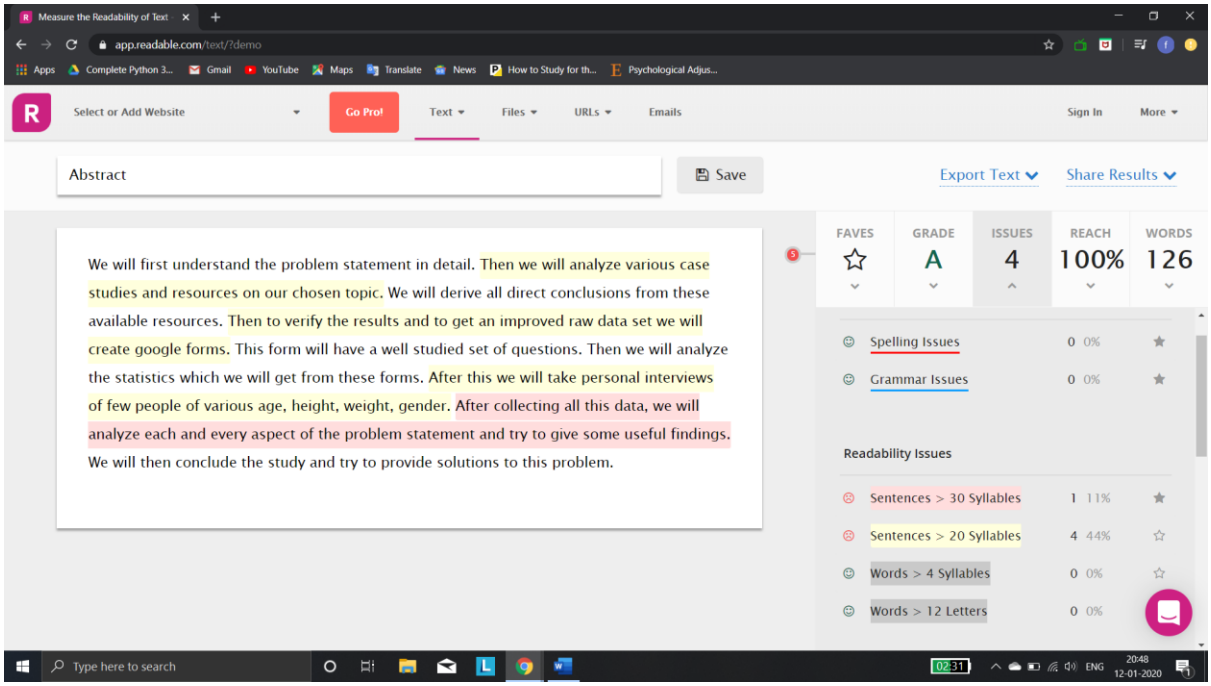
ENG
20:27
12-01-2020

After improvements:



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FAVES
GRADE
A
ISSUES
4
REACH
100%
WORDS
126
Spelling Issues
0 0%
Grammar Issues
0 0%
Readability Issues
Sentences > 30 Syllables
1 11%
Sentences > 20 Syllables
4 44%
Words > 4 Syllables
0 0%
Words > 12 Letters
0 0%
Type here to search
ENG
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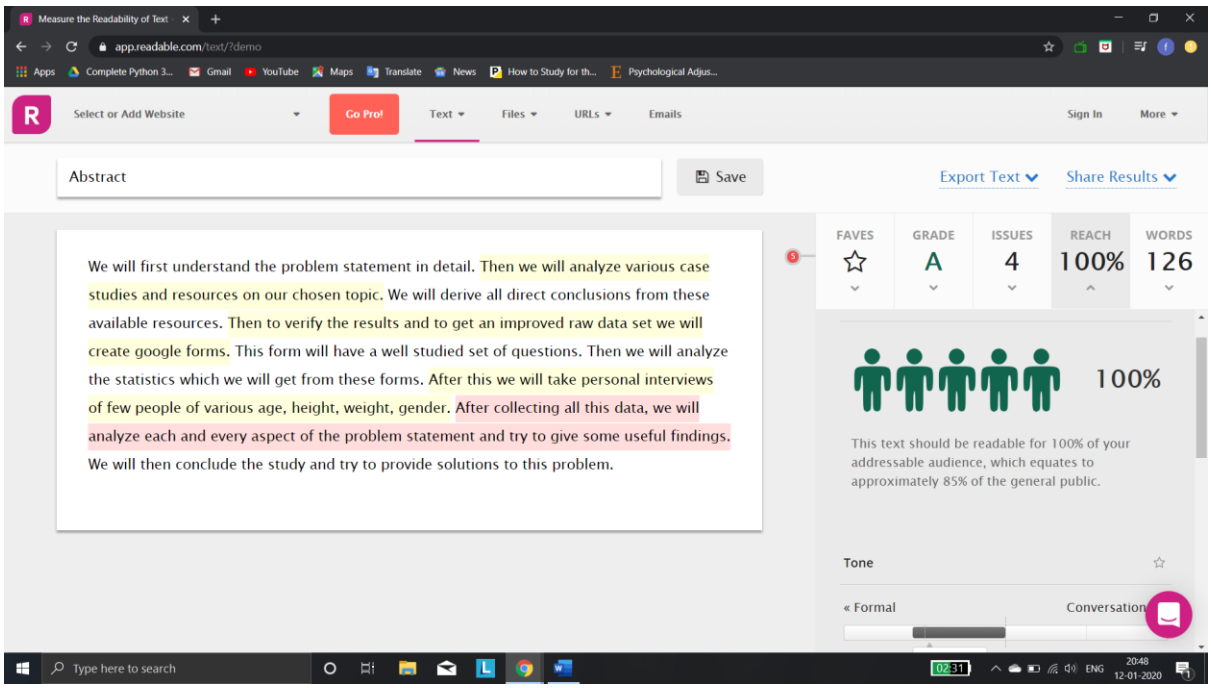
12-01-2020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FAVES
GRADE
A
ISSUES
4
REACH
100%
WORDS
126
100%
This text should be readable for 100% of your addressable audience, which equates to approximately 85% of the general public.
Tone
« Formal
Conversation
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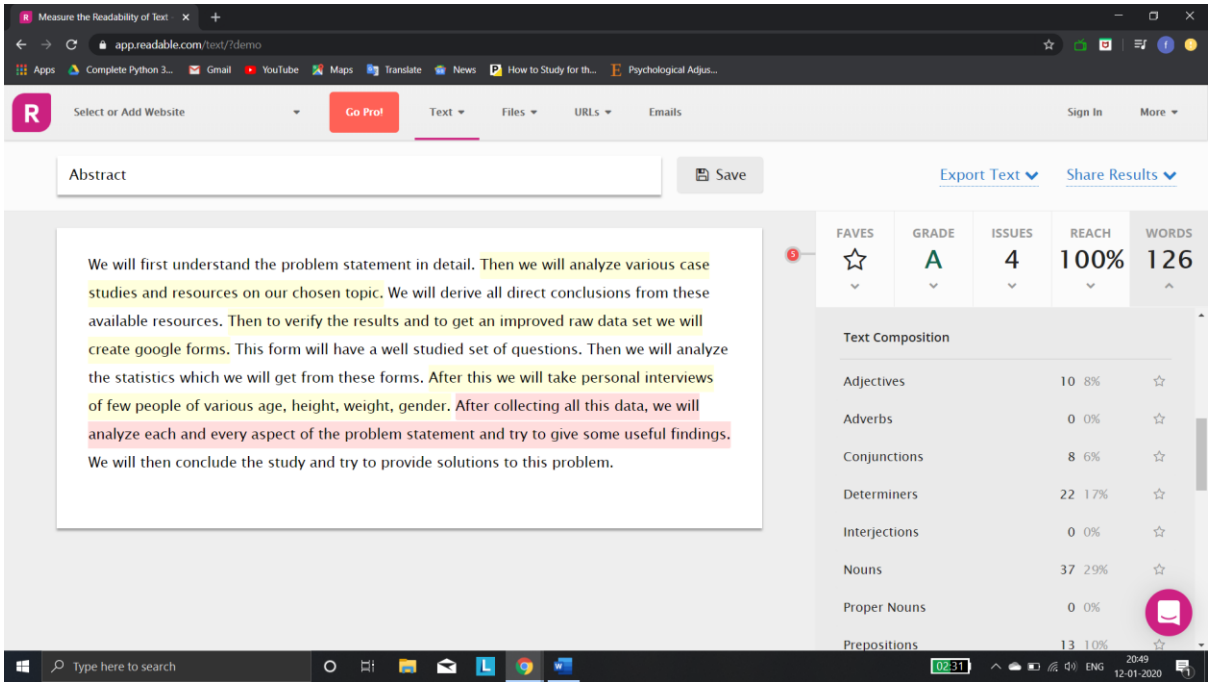
12-01-2020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GRADE
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ISSUES
4
REACH
100%
WORDS
126
Text Composition
Adjectives 10 8%
Adverbs 0 0%
Conjunctions 8 6%
Determiners 22 17%
Interjections 0 0%
Nouns 37 29%
Proper Nouns 0 0%
Prepositions 13 10%
Type here to search
02:31
ENG
20:49
12-01-2020