

Setup the google cloud Natural Language API

To quickstart, you can review the tutorial <https://cloud.google.com/natural-language/docs/setup>

Installation

Instal python3 first, then run

`pip3 --upgrade install google-cloud-language`

`pip3 install pandas`

Test

Change the to the path where your google credential json file at. Put any text you like in testfile.txt. For example, The content testfile.txt is

```
In the beginning God created the heavens and the earth.  
Now the earth was formless and empty, darkness was over the surface of the deep, and the Spirit of God was hovering over the waters.  
And God said, "Let there be light," and there was light.  
God saw that the light was good, and he separated the light from the darkness.  
God called the light "day," and the darkness he called "night." And there was evening, and there was morning--the first day.  
And God said, "Let there be a vault between the waters to separate water from water."  
So God made the vault and separated the water under the vault from the water above it. And it was so.  
God called the vault "sky." And there was evening, and there was morning--the second day.
```

run

`python3 gnlp.py`

Result

	Text	Sentiment Score	Sentiment Magnitude
0	In the beginning God created the heavens and t...	0.5	0.5
1	Now the earth was formless and empty, darkness...	-0.5	0.5
2	And God said, "Let there be light," and there ...	0.0	0.0
3	God saw that the light was good, and he separa...	0.6	0.6
4	God called the light "day," and the darkness h...	0.0	0.3
5	And God said, "Let there be a vault between th...	0.0	0.0
6	So God made the vault and separated the water ...	-0.2	0.4
7	God called the vault "sky." And there was even...	0.0	0.0