Texts Assessment Case Study

SPARQL request:

```
PREFIX rdf: <a href="http://www.w3.org/1999/02/22-rdf-syntax-ns#">http://www.w3.org/1999/02/22-rdf-syntax-ns#</a>
PREFIX rdfs: <a href="http://www.w3.org/2000/01/rdf-schema">http://www.w3.org/2000/01/rdf-schema#>
PREFIX xsd: <a href="http://www.w3.org/2001/XMLSchema">http://www.w3.org/2001/XMLSchema</a>
PREFIX foaf: <a href="http://xmlns.com/foaf/0.1/">http://xmlns.com/foaf/0.1/>
PREFIX my: <a href="http://127.0.0.1/bg/ont/test1#">PREFIX my: <a href="http://127.0.0.1/bg/ont/test1#">http://127.0.0.1/bg/ont/test1#</a>
SELECT ?Domain_Template_label (COUNT(?term) as ?Terms_number) (SUM(?term_text_number) as ?Terms_freq)
#SELECT *
WHERE
         ?Domain_Template my:has_id ?Domain_Template_label.
         ?Domain_Template rdf:type "DomainTemplate".
         ?Domain_Template my:TotalTerms ?Domain_Total_Terms .
         ?term foaf:member ?Domain_Template .
         ?term rdfs:label ?term_label .
         ?Text my:has_id "texts\\10-The Rise of the Soviet Oil Industry.txt".
         ?Text my:TotalTerms ?Text_Total_Terms .
         ?term text foaf:member ?Text .
         ?term text rdfs:label ?term text label .
         ?term_text my:EntriesNumber ?term_text_number .
        FILTER (?term_label = ?term_text_label).
GROUP BY ?Domain_Template_label
```

Experimental results are shown below:

Training text	Terms number	SPARQL Request answer			
1-OIL AND GAS.txt	198	Domain_Template_label Terms_number Terms_freq			
		minimums\NGF.csv 3 4			
		minimums\FFandGD_IT.csv 4 6			
		minimums\GF.csv 1 1			
		minimums\GRF.csv 3 5			
2-Oil and Gas Composition.txt	218	Domain_Template_label Terms_number Terms_freq			
		minimums\GF.csv 1 1			
		minimums\FFandGD_IT.csv 1 1			
		minimums\GRF.csv 2 4			
		minimums\NGF.csv 2 3			
3-Oil and Natural Gas Formation.txt	342	Domain_Template_label Terms_number Terms_freq			
		minimums\GF.csv 1 1			
		minimums\FFandGD_IT.csv 1 1			
		minimums\EF.csv 2 5			
		minimums\GRF.csv 2 3			
		minimums\NGF.csv 1 2			
4-Characteristics of Reservoir Rock.txt	399	Domain_Template_label Terms_number Terms_freq			
		minimums\NGF.csv 4 16			
		minimums\GRF.csv 2 3			
		minimums\GF.csv 3 3			
		minimums\FFandGD_IT.csv 2 2			
		minimums\FPMS.csv 1 2			

5-Types of Petroleum Traps.txt	167	Domain_Template_label	Terms_number	Terms_freq	
		minimums\GRF.csv	2	6	
		minimums\NGF.csv	2	9	
		minimums\GF.csv	1	5	
6-Finding the oil.txt	129	Domain_Template_label	Terms_number	Terms_freq	
		minimums\FFandGD_IT.csv		1	
		minimums\GF.csv	1	1	
7-Petroleum History.txt	653	Domain_Template_label	Terms_number	Terms_freq	
		minimums\EF.csv	3	4	
		minimums\NGF.csv	6	31	
		minimums\EMF.csv	2	6	
		minimums\FFandGD_IT.csv	3	5	
		minimums\GRF.csv	3	4	
		minimums\GF.csv	5	8	
		minimums\FPMS.csv	1	1	
8-From the History of Oil Production in Russia.txt	204	Domain_Template_label	Terms_number	Terms_freq	
		minimums\GF.csv	3	3	
		minimums\GRF.csv	1	1	
9-The Birth of the Industry.txt	178	Domain_Template_label	Terms_number	Terms_freq	
		minimums\NGF.csv	2	5	
		minimums\GF.csv	2	5	
		minimums\FFandGD_IT.csv	1	1	
10-The Rise of the Soviet Oil Industry.txt	528	Domain_Template_label	Terms_number	Terms_freq	
		minimums\EF.csv	5	6	
		minimums\NGF.csv	4	28	
		minimums\FFandGD_IT.csv	3	3	
		minimums\GF.csv	2	20	

11-Modern Development of Oil and Gas Industry	241			T	T T	-
11-Modern Development of Oil and Gas Industry in Russia.txt	241		Domain_Template_label	Terms_number	Terms_freq	
TIT NUOSIU.LA			minimums\EMF.csv	3	7	
			minimums\EF.csv	1	1	
			minimums\FFandGD_IT.csv	2	2	
			minimums\NGF.csv	1	1	
12-The Role of Oil and Gas in Our Life.txt	281		Domain_Template_label	Terms_number	Terms_freq	
			minimums\FFandGD_IT.csv	1	1	
			minimums\EMF.csv	3	6	
			minimums\NGF.csv	2	5	
13-Oil and Gas Consumption.txt	499		Domain_Template_label	Terms_number	Terms_freq	
			minimums\NGF.csv	1	5	
			minimums\EMF.csv	1	2	
			minimums\EF.csv	1	9	
			minimums\GF.csv	1	5	
			minimums\FFandGD_IT.csv	1	2	
			minimums\GRF.csv	1	1	
14-The Future of Oil.txt	384		Domain_Template_label	Terms_number	Terms_freq	
		minimums\EF.csv	2	2		
		minimums\GF.csv	3	15		
		minimums\EMF.csv	2	4		
		minimums\FFandGD_IT.csv	3	10		
			minimums\NGF.csv	2	14	
15-Jobs on the Rig.txt	273		Domain_Template_label	Terms_number	Terms_freq	
			minimums\FFandGD_IT.csv	3	4	
			minimums\GF.csv	3	3	
			minimums\NGF.csv	4	8	

16-How to Get a Job in the Oil Industry.txt	331	Domain_Template_label	Terms_number	Terms_freq	7
		minimums\EF.csv	1	2	
		minimums\FFandGD_IT.csv	2	3	
17-The Petroleum Industry.txt	309	Domain_Template_label	Terms_number	Terms_freq	
		minimums\EF.csv	1	1	
		minimums\FFandGD_IT.csv	2	3	
		minimums\NGF.csv	1	7	
18-Oil Industry has Lost its Luster.txt	307	Domain_Template_label	Terms_number	Terms_freq	
		minimums\FFandGD_IT.csv	1	1	
		minimums\EF.csv	1	1	