



NETFLIX'S LATEST HIT DRAMA "THE GLORY": A TEXT ANALYSIS

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The ultimate goal of this paper is to analyze 30 articles of Google written in 2023 concerning "the glory". This study was conducted by the software package NetMiner. A point to note is that the 4-word expression has the highest frequency (232 tokens) and the highest proportion (15.1%). A further point to note is that topic 14 was the most widely used in 30 articles, followed by topic 1, topic 5, topic 9, and topic 12, in that order. When it comes to key words, the name *Dong Eun* was the most widely used in 30 articles, followed by the word *Glory*, the word *revenge*, the name *Yeonjin*, and the word *school*, in descending order. With respect to the word cloud of 30 articles, it is worthwhile noting that the name *Dong Eun* is the most significant one, followed by the word *Glory*, the name *Yeonjin*, the word *revenge*, and the word *school*, in that order. This paper shows that 59 nodes (words) are the members of C1 (a giant component) and that they are central words that occurred in 30 articles. This paper further shows that a giant component was divided into five groups since nodes with high betweenness centrality were eliminated. Also, this paper argues that similar words belong to the same community.

Keywords: topic, keyword, NetMiner, Google, text, map

1. Introduction

The main goal of this paper is to analyze 30 articles of Google written in 2023 concerning "the glory". This study was conducted by the software package NetMiner. First, we aim to consider the so-called word length and its frequency. Also, attention is paid to the use of common nouns and proper nouns that occurred in 30 articles of Google. Second, we aim at examining 15 topics and 5 keywords that are made up of them. Also, attention is paid to the use of each topic in 30 articles of Google. Third, we inquire into the frequency of the so-called key words that occurred in 30 articles of Google. By examining their frequency, we can see which key words were widely used in these articles. Fourth, we aim to consider a word cloud that is related to 30 articles of Google. In this word cloud, frequent and central key words appear in bigger words, which in turn regarded as pivotal in these articles. Fifth, we aim at dealing with the so-called component, which is sub-classified into a weak component and a strong component. The former ignores the direction of links and thus it is favored over a strong component. On the other hand, the latter considers the direction of links and thus it is stricter than the weak component. Note that the term component is a set of nodes that are continuously linked. In this paper, we provide a giant component that refers to big networks. Finally, we aim to deal with the so-called community, which is a smaller category than a component. It is a way of regulating the density of nodes. It makes the inner density of a group higher, but a density among groups lower. If we eliminate important nodes in the path made by networks, the

networks are divided and grouped and this process is called the Girvan-Newman Algorithm.

2. Results

2.1. Word length

This section is devoted to examining word length and its frequency. Table 1 shows the frequency of word length:

Table 1 Frequency of word length

Value	Frequency	Proportion	Cumulative Proportion
2.0	14	0.009	0.009
3.0	82	0.053	0.062
4.0	232	0.151	0.213
5.0	222	0.144	0.358
6.0	213	0.139	0.496
7.0	225	0.146	0.643
8.0	177	0.115	0.758
9.0	142	0.092	0.85
10.0	92	0.06	0.91
11.0	65	0.042	0.953
12.0	36	0.023	0.976
13.0	18	0.012	0.988
14.0	7	0.005	0.992
15.0	2	0.001	0.993
16.0	3	0.002	0.995
17.0	1	0.001	0.996

19.0	3	0.002	0.998
22.0	1	0.001	0.999
26.0	1	0.001	0.999
32.0	1	0.001	1
Total	1537	1	

It is interesting to note that the 4-word expression has the highest frequency (232 tokens) and the highest proportion (15.1%). Put differently, this indicates that it was the most widely used one in 30 articles. It is worthwhile saying, on the other hand, that the 4-word expression is followed by the 7-word expression. The latter was the second most widely used. More specifically, its frequency is 225 tokens and its proportion is 14.6%. It must also be stressed that the proportion of the 5-word expression is 14.4% (the third highest) and its frequency is 222 tokens (the third highest). It is also interesting to observe the 5-word expression. Its proportion is 13.9% and its frequency is 213 tokens (the fourth highest). It must also be emphasized that the proportion of the 8-word expression is 11.5% and that its frequency is 177 tokens (the fifth highest). We thus conclude that the 4-word expression was the most frequently used, followed by the 7-word expression, the 5-word expression, the 6-word expression, and the 8-word expression, in that order.

Now attention is paid to the information of nouns:

Table 2 Nouns

Value	Frequency	Proportion	Cumulative Proportion
Common Noun	1137	0.74	0.74
Proper Noun	400	0.26	1
Total	1537	1	

Noteworthy is that the proportion of common nouns in 30 articles is 74% and that their frequency is 1,137. It is interesting to point out, on the other hand, that the proportion of proper nouns is 26% and that its frequency is 400. As illustrated in Table 2, the overall frequency of two nouns is 1,537, common nouns account for 74%, and proper nouns account for 26%.

2.2. Topic Information

This section centers on investigating 15 topics that are made up of 30 articles. Table 3 shows 15 topics and their keywords, which in turn constitute 30 articles:

Table 3 15 topics

	1st Keyword	2nd Keyword	3rd Keyword	4th Keyword	5th Keyword
Topic-1	school	violence	series	show	death
Topic-2	Donggeun	plan	life	Moon	revenge
Topic-3	revenge	Doyeong	season	Donggeun	series
Topic-4	Donggeun	teacher	daughter	school	year
Topic-5	Donggeun	Yeonjin	mother	group	Myeongoh
Topic-6	Donggeun	Donggeuns	show	season	day
Topic-7	revenge	character	bully	season	Joo
Topic-8	Glory	part	episode	show	story
Topic-9	Part	hour	March	Netflix	release
Topic-10	plan	violence	DongEun	story	Donggeuns
Topic-11	story	season	Moon	revenge	Park
Topic-12	Glory	school	bullying	Moon	Netflix
Topic-13	Yeojeong	Donggeun	woman	show	season
Topic-14	Yeonjin	Jaejoon	Myeongoh	Sohee	Hyejeong
Topic-15	Yeonjin	bully	death	Park	group

It is interesting to point out that topic 1 includes the keywords, *school*, *violence*, *series*, *show*, and *death*. The word *school* is the first keyword, which amounts saying that it was the most central one in topic 1. It should be noted, on the other hand, that the keywords *Donggeun*, *teacher*, *daughter*, *school*, and *year* consist of topic 4. It must also be said that the keywords *revenge*, *character*, *bully*, *season*, and *Joo* are made up of topic 7. It is noteworthy that topic 9 contains the keywords *Part*, *hour*, *March*, *Netflix*, and *release*. Quite interestingly, the word

Netflix is one of 5 keywords, which in turn indicates that it played a big role in producing and releasing "The Glory". It is significant to note that the keywords *Yeonjin*, *bully*, *death*, *Park*, and *group* constitute topic 15. More interestingly, the word *group* is one of 5 keywords, which we take as meaning that this word was one of the most widely used keywords in 30 articles.

Now let us consider Table 4. Table 4 shows how frequently 15 topics were used in 30 articles:

Table 4 Use of 15 topics

	# of documents
Topic-1	93
Topic-2	58
Topic-3	27
Topic-4	31
Topic-5	89
Topic-6	36
Topic-7	75
Topic-8	55
Topic-9	80
Topic-10	28
Topic-11	63
Topic-12	76
Topic-13	71
Topic-14	124
Topic-15	33

It is worth mentioning that topic 14 occurred 124 times (the highest) in 30 articles. As indicated in Table 3, the keywords *Yeonjin*, *Jaejoon*, *Myeongoh*, *Sohee*, and *Hyejeong* consist of topic 14. That topic 14 has the highest frequency suggests that these five keywords were the most frequently used in 30 articles. It must also be emphasized that topic 1 appeared 93 times (the

second highest) in 30 articles. As exemplified in Table 3, the keywords *school*, *violence*, *series*, *show*, and *death* are made up of topic 1. It must be noted, on the other hand, that topic 5 turned up 89 times (the third highest) in 30 articles. As shown in Table 3, the keywords *Donggeun*, *Yeonjin*, *mother*, *group*, and *Myeongoh* constitute topic 5. When it comes to topic 9, it occurred 80 times (the fourth highest) in 30 articles. This topic includes the keywords *Part*, *hour*, *March*, *Netflix*, and *release*. It is also interesting to observe that topic 12 appeared 76 times (the fifth highest) in 30 articles. As observed in Table 3, the keywords *Glory*, *school*, *bullying*, *Moon*, and *Netflix* form topic 12. It is thus appropriate to conclude that topic 14 was the most widely used in 30 articles, followed by topic 1, topic 5, topic 9, and topic 12, in that order.

2.3. Information on key words

The goal of this section is to reveal how frequently key nouns occurred in 30 articles. Table 5 was cut off in the top 32:

Table 5 Key Nouns

Number	Word	Frequency
1	Donggeun	203
2	Glory	134
3	revenge	124
4	Yeonjin	109
5	school	95
6	season	57
7	Moon	55
8	story	50
9	plan	50
10	series	48
11	show	44
12	Yeojeong	43
13	Netflix	43
14	Donggeuns	43
15	part	38
16	life	38
17	bully	38
18	violence	36
19	bullying	36
20	Part	35
21	year	34
22	drama	34
23	plot	33
24	Park	33
25	daughter	32
26	Jaejoon	32
27	episode	31

It is significant to note that the name *Donggeun* occurred as the biggest word. This seems to suggest that it is the most central one. Note that the name *Donggeun* is followed by the word *Glory*. To be more specific, the latter appeared as the second biggest word, thereby indicating that it is the second most significant one. It should be noted, on the other hand, that the name *Yeonjin* turned up as the third biggest word, hence the third most important. It is also interesting to observe that the word *revenge* occurred as the fourth biggest word, thus counting as widely used. It is also worth saying that the word *school* turned up as the fifth biggest word, which we take as indicating that it is the fifth most significant one. We thus conclude that the name *Donggeun* is the most significant one, followed by the word *Glory*, the name *Yeonjin*, the word *revenge*, and the word *school*, in that order.

2.5. A weak component

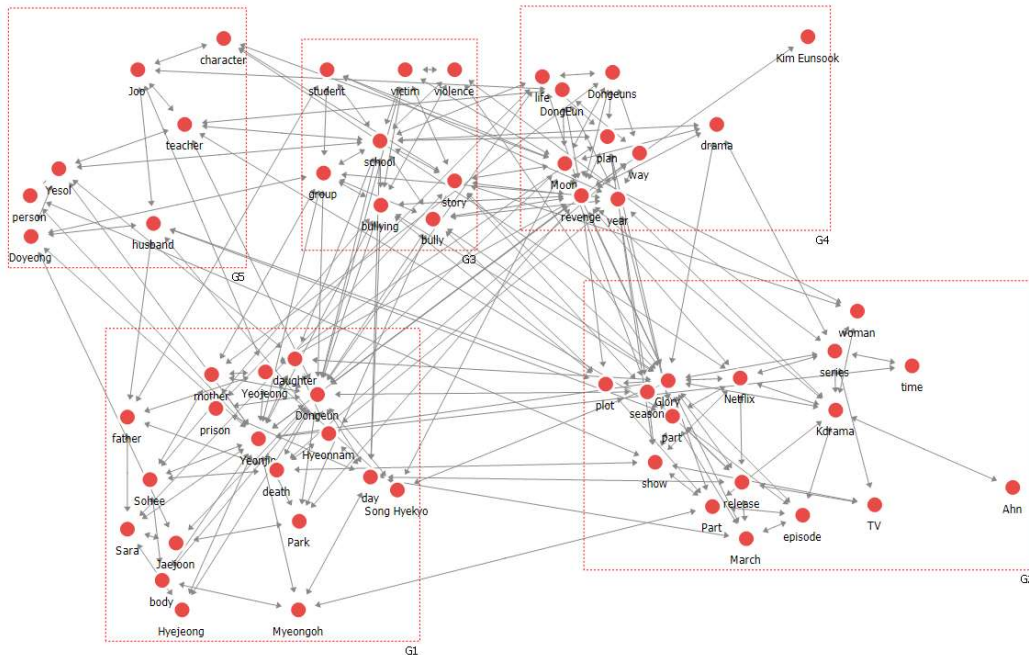
In this section, we aim to deal with the so-called component. The component refers to a set of nodes that are continuously linked. It is sub-divided into a weak component and a strong component. The weak component does not consider the direction of links and thus it is preferred over the strong component. On the other hand, the strong component considers the direction of links and thus it is stricter than the weak component. In this section, we included core nodes (59 nodes) only for the reason of space and provided a giant component called C1, which refers to core networks. Table 6 shows a giant component called C1 in which 59 nodes (59 core words) appear:

Table 6 Giant component

COMPONENTS	MEMBERS
C1	Ahn,K-drama,Glory,March,day,Donggeun ,Hyejeong,Sara,Jaejoon,Doyeong,Yeonjin ,Myeongoh,Part,episode,part,Netflix ,character,Joo,DongEun,Moon,Dongeuns ,life,plan,Yeojong,Song Hyekyo ,father,death,Hyeonnam,daughter ,Yesol,person,show,TV,release,season ,plot,bully,Park,venge,Kim Eunsook ,bullying,Sohee,body,mother,group ,school,drama,series,time,violence ,victim,story,woman,student,year ,way,teacher,prison,husband

As exemplified in Table 6, in the giant component, there are 59 members that are all linked. More specifically, the words *K-drama*, *Glory*, *March*, *day*, *part*, *episode*, *Netflix*, *character*, *life*, *plan*, *father*, *death*, *bully*, etc. form a giant component. Note that the giant component refers to big networks. Normally, researchers find a giant component and see what is going on.

Figure 3 Map of a community



As exemplified in Figure 3, a component is divided into 5 groups. The so-called community makes the density of a group higher, but a density among groups lower. As indicated in Figure 3, the words *character*, *job*, *teacher*, *person*, *husband*, etc. belong to a community. On the other hand, the words *student*, *group*, *school*, *story*, *bully*, etc. belong to another community. The words *woman*, *series*, *time*, *Netflix*, *Glory*, *plot*, *show*, *part*, *release*, etc. also form a community. A giant component was divided into five groups since nodes with high betweenness centrality were eliminated. Note that similar words belong to the same community. For the map of networks, see Kang (2022a, 2022b, 2022c, 2022d, 2023a, 2023b).

3. Conclusion

To sum up, we have analyzed 30 articles of Google written in 2023 concerning “the glory”. In section 2.1, we have shown that the 4-word expression has the highest frequency (232 tokens) and the highest proportion (15.1%). We have also shown that the proportion of common nouns in 30 articles is 74%, whereas the proportion of proper nouns is 26%. In section 2.2, we have argued that topic 14 was the most widely used in 30 articles, followed by topic 1, topic 5, topic 9, and topic 12, in that order. In section 2.3, we have maintained that the name *Dongelun* was the most widely used in 30 articles, followed by the word *Glory*, the word *revenge*, the name *Yeonjin*, and the word *school*, in descending order. In section 2.4, we have contended that in the word cloud, the name *Dongelun* is the most significant one, followed by the word *Glory*, the name *Yeonjin*, the word *revenge*, and the word *school*, in that order. In section 2.5, we have shown that 59 nodes (words) are the members of C1 (a giant component) and that they are central words that occurred in 30 articles. In section 2.6, we have also shown that a giant component was divided into five groups since nodes with high betweenness centrality were eliminated. We have also argued that similar words belong to the same community.

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