The New Acropolis Museum on Twitter: Seven Years After

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Abstract: Most museums around the world understand the importance of social media in order to promote their services, provide information to their future visitors, enable the communication interaction and create strong relationship with them. In this work we extract all tweets referring to the New Acropolis Museum in Greece. This spans the entire seven year time interval, from the first day that the specific account was created, up to the current day. We analyze the network of tweets and derive valuable information with respect to the engagement of users and discover other structural and conversational patterns that help us gain insight in this dialogue. A simple sentiment analysis reveals that the users hold a positive attitude towards the museum.

Keywords: Communication, Social Media, Twitter, NodeXL, Acropolis Museum

1. Introduction

Nowadays there is an increasing use of social media by individual users and organizations. The organizations use social media sites, including Twitter and Facebook to inform their users about events, to inform them about new products or services, but they also ask them to express their views about the organization, its events and products. The development of media and their impact on society have challenged cultural organizations like museums and provided them with new ways of communication and interaction with their public. The study focuses finding and analyzing all tweets related to the New Acropolis Museum; tweets were extracted with the use of NodeXL. The period of the research was from the 14th June 2009 till 23rd August 2016.

NodeXL (<http://nodexl.codeplex.com/>) is an application from the Social Media Research Foundation (<http://smrfoundation.org/>), which provides special support for social media data sources including Twitter, Facebook, YouTube, flickr, email, blogs, wikis, and the WWW. We have experimented with it in the past [1], by extracting and analyzing tweets containing some trending (at the time) hashtags. The period was immediately after the referendum outcome in Greece which initiated a pre-election period as well. As such, the tweets' network was quite time-sensitive

and therefore not affected by the one-week limitation posed by the application.

The application's strength has been demonstrated in recent works, e.g.; in [2], fifty candidates for the 2014 US elections and respective political discussion in Twitter about them are considered and relational power gained is examined, in correlation with gender; in [3], the Starbucks #RaceTogether campaign is studied, aiming to explore the central users in the discussion network and the factors contributing to a user's central status in the network; in [4], the South African, student-led campaign #RhodesMustFall is in focus and a qualitative tweet-content analysis enables the authors to claim that youth are increasingly using social media to engage in individualized activism, reflecting the politics and practices of counter-memory; and [5], where a library's Twitter network is analyzed and its impact visualized, arguing that social media managers can use such data to deliver relevant information and market services that will engage and benefit the library's online audience.

2. Literature Review

In this section, a review of related work is presented, focusing on Social Media and Twitter, and their use in

museums. Some information is also given for the New Acropolis Museum.

2.1. Social Media

Scholars, advertisers and political activists, see online social networks as an opportunity to study and analyze them in order to examine how they are used by the organizations and institutions. Social media applications enable the collective creation and sharing of digital artifacts. The use of these tools inherently creates network data. These networks represent the connections between content creators as they view, reply, annotate or explicitly link to one another's content [6]. SNS are online services that allow users to create an individual profile, connect with other users—usually people known offline—and navigate through these networks of contacts [7].

Social media is a 21st century term used to broadly define a variety of networked tools or technologies that emphasize the social aspects of the Internet as a channel for communication, collaboration, and creative expression, and is often interchangeable with the terms Web2.0 and social software [8]. From another point of view social media are “a group of Internet-based applications that build on the ideological and technological foundations of Web 2.0, which allow for the creation and exchange of user generated content” [9]. The characteristics of social media are; up-to-dateness, spontaneity and interactivity. The user is able to participate, to express his/her opinion. The most frequently used Web 2.0 applications include wikis (wikipedia.org), video sharing platforms (youtube.com), blogs (blogspot.com), and social networking sites (facebook.com, twitter.com).

Currently, Web 2.0 is the bandwagon everybody has to jump on. In the museum field, many institutions feel the pressure to join this trend but at the same time they are reluctant to do so because there is still a considerable lack of research about the acceptance of this new phenomenon both inside and outside the museum [10]. Most cultural institutions all over the world are using the Web 2.0 as they believe that this could be a good way for promoting their services and their facilities. Of course smaller arts institutions, in particular, are unable to hire additional staff to implement new projects such as social media [11].

2.2. Twitter

Twitter is an extremely popular online microblogging service, which has gained a very large user base, consisting of more than 105 million users (as of April 2010). The Twitter graph is a directed social network, where each user chooses to follow certain other users [12]. In order to give information to other users each user has to use tweets. Each user has a set of subscribers known as followers. Each user submits periodic status updates, known as tweets, which consist of short messages of maximum size 140 characters [13]. Recently however (on 16th of September in 2016), Twitter has announced the relaxation of this limit, with a

tweet stating that: “...*photos, videos, GIFs, polls, and Quote Tweets no longer count toward your 140 characters*”. This effectively leaves more room for pure conversation (the tweet text) and was welcomed by users worldwide. Users declare the people they are interested in following, in which case they get notified when that person has posted a new message [14]. Twitter's importance is highlighted, e.g. in [15], who state that “...*people use Twitter to communicate, to ask questions, to ask for directions, support, advice, and to validate open-ended interpretations or ideas by discussing with the others*”. Users declare the people they are interested in following, in which case they get notified when that person has posted a new message.

Each one can have a profile in Twitter. The profile can be public or private. The public profile includes the full name, the location, a web page, a short biography, and the number of tweets of the user [16]. Direct public posts are used when a user aims her update to a specific person and are signaled by a “@” symbol next to the person's username, whereas indirect updates are used when the update is meant for anyone that cares to read it [14].

Twitter seems to be an important social medium of collecting news. It promotes news discussion. It is also used for ongoing discussion for events. Twitter's “news coverage also consists of significant amounts of broader commentary on current events, reflecting mainly the sender's own perspectives and intended more as markers of those perspectives than as formal contributions to debate” [17].

Pew Research Center's Internet & American Life Project conducted a research about the users of social media. In relation to Twitter the percentage of internet users who are on Twitter has doubled since November 2010, currently standing at 16%. Those under 50, and especially those 18-29, are the most likely to use Twitter. Urban-dwellers are significantly more likely than both suburban and rural residents to be on Twitter. According to [18], over 200 million active Twitter users post 150 million tweets (messages) daily. At the third quarter of 2016, the microblogging service averaged at 317 million monthly active users [19].

Measuring influence in Twitter is a lengthy and complex task. Lengthy because it is an analysis that needs to account past actions of users, and complex because there is no precise consensus as to what influence is and how to measure it [20]. Twitter offers an Application Programming Interface (API) that is easy to crawl and collect data. NodeXL also supports extracting social network data from the Twitter microblogging and messaging service. Additional import connectors for social media sites are a direction for future work for the project [6].

2.3. The New Acropolis Museum

The New Acropolis Museum, officially inaugurated in June 2009 [21]. It is today the most visited of Greek museums [22]. It was designed by architects Bernard Tschumi and Michael Photiadis and opened to the public on 21st June 2009, with Dimitrios Pandermais as director of the project and the museum [23].

The museum is located on the pedestrian street Dionysiou Areopagitou, just 300 metres from the Acropolis, with the glass galleries of the upper floor providing visual contact to the Parthenon [24]. The visitor enters the museum in the spatial interval between the museum and the Acropolis Hill, unaware that this is the same interval that he or she will later be guided to look over, towards the Parthenon Temple [25].

The fact that a museum exhibition, wherever it may be, is not a static, unchanging matter is understood by most in the museum world [23]. As Jakobsen states [25], the "New Acropolis Museum in Athens clarifies the relevance of regarding the conditions of experience and events as part of a signaletic material that works through processes of differentiation and specification".

2.4. Related Work

Simon in [26], explored the ways that the philosophies of Web 2.0, which promote user participation and peer-to-peer interaction, can be applied in museums to encourage active discourse among visitors. She claimed that current web-based projects and potential in-gallery applications are explored, with a focus on networking individual visitor experiences as a basis for communal action.

Kidd in [27], publish a research about the use of social media in the museums sector in the UK and beyond. It seeks to explore the challenges of utilizing such media for institutions steeped in discourses of authority, authenticity and materiality. The findings of the research show that there is currently a gulf between the possibilities presented by social media, and their use by many museums. This leads to forms of frame misalignment, which can be intensely problematic. It is crucial that museums increase their understanding of the frames within which such activity is being encouraged and experienced.

In [28], a research is conducted about the use of Twitter in non-profit organizations. The study examines the Twitter utilization practices of the 100 largest nonprofit organizations in the United States. The analysis reveals there are three key functions of microblogging updates; "information", "community" and "action". Though the informational use of microblogging is extensive, nonprofit organizations are better at using Twitter to strategically engage their stakeholders via dialogic and community-building practices than they have been with traditional websites. Companies are not using Twitter to its full capacity as a stakeholder-engagement vehicle.

Hausmann in his study [11], examines how social media applications (social networks - especially Facebook, blogs and microblogs - like Twitter), are primarily used by German arts institutions in practice. Referring to NRW-Forum Dusseldorf and the use of Twitter from the museum the researcher claims that at the end of August 2011, the museum had 14,297 followers (plus 613 lists) and 2,336 tweets had been sent out. The content analysis of its tweets [29] during the four-week period revealed that the museum is impressively active on Twitter and posted 109 tweets (i.e. 3.5 tweets per day). In fact, the museum is the leader in the ranking of 111 German museums who use Twitter. Despite

this fact though, the viral marketing effects are considered to be rather low.

Francesca De Gottardo, conducted a research [30] in order to examine how social media are used by the average small-medium museum and what the attitude of the public is towards online museums. The research examined the online communication of 35 American museums. According to the research results, 100% of museums taken into consideration maintain a Facebook page but do not update it on a daily basis. 23% of museums do not have a Twitter profile as it is difficult for them to find a proper way to engage with followers on this platform. Instagram button is forgotten on most of websites. A significant part of museums has a Tripadvisor "Certificate of Excellence" on their website homepage.

Finally, another recent study was conducted by Badell in 2015 [31], to describe the current situation of Catalan museums in social media. Results showed that only 60% of Catalan museums present a social media profile of their own, and most of them are significantly lacking feedback from their followers. Regarding the use of Twitter, the Picasso Museum stands out with the most followers (more than 40,100), followed by two other large institutions; the MACBA with 37,257 followers, and the MNAC with almost 33,400 followers. There are significant differences regarding interaction, which depends on the community manager and the communication policy of the museum. Some small or medium-sized centres are very active on Twitter and receive many replies.

3. Methodology and Results

In this section we present our methodology framework and our analysis findings, with some discussion taking place inline. As stated previously, the Twitter account of the New Acropolis Museum was created in June 2009 and has at the time of writing 2,367 followers.

3.1. Methodology

Our objective in this work was to extract all tweets related to the New Acropolis Museum and analyze the resulting network to identify key bloggers, as well as, structural and conversational patterns in this global engagement of communication on a specific topic.

There are several approaches in extracting the tweets, e.g. by accessing the Twitter API, or using a third-party, off-the-shelf tool, such as NodeXL. However, there are some limitations when using the free versions of these tools. Usually, these are limitations with respect to the total number of tweets, or time limitations, hindering the extraction of tweets older than a week ago. So, we exploited Python as a means to circumvent this obstacle. We opted for "acropolismuseum" (case-insensitive) as the search string in the Twitter network API, thereby including both "@acropolismuseum" (and ".@acropolismuseum") or "#acropolismuseum" appearing anywhere in the text of the extracted tweets of interest. So all "replies", "mentions" or "hashtags" were considered and included in our sample.

The extracted tweets (2110 in total) were obtained in

reverse chronological order (latest first) and exported in a.csv formatted file. The dates span from the time of extraction (23rd August 2016) to 14th June 2009, which was one week before the official museum opening day. This file had to undergo an additional preprocessing formatting stage, in order to be NodeXL-compatible. Several Excel functions were utilized in order that the data columns follow the format required by NodeXL. No other “data cleaning” process was performed at this stage and the processed data file was finally loaded into NodeXL for further analysis and visualization.

3.2. Results

Checking the summary of the network reveals some of its global features; there are 1403 vertices and 1225 unique edges. Moreover, a basic sentiment analysis done by NodeXL indicates that the conversation has a positive sign:

Table 1. Summary of the network.

Vertices	1403
Unique Edges	1225
Edges With Duplicates	885
Total Edges	2110
Self-Loops	977
Connected Components	573
Single-Vertex Connected Components	467
Maximum Vertices in a Connected Component	693
Maximum Edges in a Connected Component	1308
Maximum Geodesic Distance (Diameter)	10
Average Geodesic Distance	3,507765
Graph Density	0,000916113

Twitter search network top items:	Top Words in Tweet in Entire Graph: [1086] Words in Sentiment List#1: Positive
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Figure 1. Words in Sentiment List.

The first visualization of the network is shown below; clicking roughly at the centre of this “hairball” reveals that as expected all this is built around the “acropolismuseum” node (case sensitive – tooltip can help identify the node):

Figure 2. The initial visualization.

In the above figure, the records that are selected are edges categorized as “mentions” or “replies” and originate from any vertex to acropolismuseum as vertex2. At this point, we noticed that there are some inconsistencies included such as case differentiations, e.g. ACROPOLISMUSEUM, or “bad data”, e.g. unintended blanks (acropolis museum) which results in the “acropolis” term appearing as a node or as a hashtag. So, we sorted our records according to vertex2 and selected all (consecutive now) records with acropolismuseum as vertex2 to get the network of incoming connections (“attention network”). The count of such records was 507. We also set the layout algorithm to Harel-Coren to better visualize the dominant cluster.

Figure 3. The “attention” network.

In doing so, we can see the formation of some clusters around the core of these 507 edges. We can also notice the existence of “brokers” or “bridges” for information flow between the clusters. In literature these are called “structural holes” or “weak ties” [32]. For example, the @Acropolis, @britishmuseum and @BCRPM (British Committee for the Reunification of the Parthenon Marbles) nodes are such brokers:

Figure 4. Brokers of information.

We have seen that sorting by vertex2 and selecting the consecutive records of interest, we were able to obtain the “attention network”. If however, we sort by vertex1 and select the acropolismuseum records again we get the network of outgoing connections (“information network”). This comprises of only 3 tweets, which are actually the three first

seminal tweets send by @acropolismuseum, the official Twitter account for the museum, on its opening day (21/6/2009 at 16:26, 16:27 and 18:54 respectively). These three tweets (“ego”) initiated some conversation between “alters” as indicated by the number of retweets/favourites: 13/10, 9/16 and 12/25 respectively. This suggests a disproportion between the information/attention network activity for the @acropolismuseum ego network. The conversation however, was kept alive by other emerging, active bloggers who engaged in and by means of alternative ways; more specifically hashtags, once the #acropolismuseum was revealed to the public.

So, our next step was to analyze the network of tweets containing the #acropolismuseum term. Again, we had to face the problem of case-sensitivity as well as unintended blanks, e.g. #acropolis museum, which leads to some occurrences of #acropolis. These may or may not be relevant to the museum, but we chose to filter them out. Applying a custom text filter on hashtags column we found 1230 occurrences, of which 924 were tweets, 30 retweets, 60 replies and 216 mentions:

Figure 5. Filtering hashtags.

The cleaned hashtags network is shown below. Some clusters can also be identified there:

Figure 6. The hashtags network.

Getting a first glimpse (insight) on the hashtags column (where all of the users' hashtags are isolated and listed) shows that some additional topics have emerged in this conversation, igniting other threads: marbles, George Clooney and Amal Alamuddin, travel, architecture, Lego, British museum, instagram, art, sculpture, other museums in Greece, geolocations (Greece, Athens, Plaka), ancient Greece, to name a few.

The order of the hashtags also suggests some patterns on user behavior. As many (possibly naive) users have the habit of including several and occasionally unrelated hashtags, this tends to clutter and distort the thematology of the conversation. Some further processing and analysis of the hashtags network could have been employed at this point, e.g. filtering out reciprocal ties (by de-selecting those with “tweet” as their type), or identifying strong ties (dyads, triads).

Selecting only the tweets according to their type (mention, reply, tweet or retweet) gives the following respective subgraphs, starting from top-left, clockwise:

Figure 7. The mention, reply, tweet and retweet networks.

Once we have a first feel of our dataset, we can proceed with computing various graph metrics. Eigenvector centrality can be used for “attention” by giving the importance of a node (used also in Google’s PageRank algorithm) and as a filter against “spamming”. On the other hand, betweenness centrality measures the node’s position rather than its importance and can be used for “information” – a weighting measure against “redundancy” [33].

Computing the overall graph metrics gives several statistics, shown below (in some cases only the top 10):

Table 2. Top words.

Top Words in Tweet in Entire Graph	Entire Graph Count
Words in Sentiment List#1: Positive	1086
Words in Sentiment List#2: Negative	209
Non-categorized Words	34263
Total Words	35558
acropolismuseum	2116
com	1326
twitter	834
http	763
pic	757

Table 3. Top replied-to nodes.

Top Replied-To in Entire Graph	Entire Graph Count
acropolismuseum	45
stephenfry	36
bcrpm	12
elginism	6
britishmuseum	5
starwalkersng	5
corraface	5
keridouglas	4
ellymariasymons	3
archaiologia_en	3

Table 4. Top mentioned nodes.

Top Mentioned in Entire Graph	Entire Graph Count
acropolismuseum	801
britishmuseum	81
acropolis	72
acropolisathens	34
visitgreecegr	31
elginism	22
μουσείο	15
marblesreunite	14
bcrpm	12
nikosaliagas	12

Table 5. Overall metrics statistics.

Minimum Degree	1
Maximum Degree	331
Average Degree	2,087
Median Degree	1,000
Minimum Betweenness Centrality	0,000
Maximum Betweenness Centrality	211568,813
Average Betweenness Centrality	430,687
Median Betweenness Centrality	0,000
Minimum Closeness Centrality	0,000
Maximum Closeness Centrality	1,000
Average Closeness Centrality	0,137

Median Closeness Centrality	0,000
Minimum Eigenvector Centrality	0,000
Maximum Eigenvector Centrality	0,050
Average Eigenvector Centrality	0,001
Median Eigenvector Centrality	0,000
Minimum PageRank	0,431
Maximum PageRank	130,826
Average PageRank	1,000
Median PageRank	1,000
Minimum Clustering Coefficient	0,000
Maximum Clustering Coefficient	1,000
Average Clustering Coefficient	0,014
Median Clustering Coefficient	0,000

Having a look at our network, we noticed a cluster of nodes, the one closest to the bottom. We tried to find a way of filtering it out by means of some of the available metrics, as it seems to consist only of tweets that do not contribute much to the whole conversation. Selecting the ego network of acropolismuseum, sorting by degree (and other metrics) and selecting the top ten nodes still leaves the cluster not participating as seen below (graph only shown for the degree metric):

Figure 8. The @acropolismuseum ego network.

The top ten nodes according to different metrics are shown below. There was no success in isolating the “unwanted cluster” using these metrics but are given anyway as they validate the most important nodes.

Table 6. Top ten degree nodes.

Vertex	Degree (in and out)
acropolismuseum	331
BCRPM	68
Acropolis	65
stephenfry	40
britishmuseum	30
AcropolisMuseum	19
MilitaryRaiden	17
VisitGreecegr	16
elginism	14
AcropolisAthens	12

Table 7. Top ten betweenness centrality nodes.

Vertex	Betweenness centrality
acropolismuseum	211568,813
BCRPM	62859,245
Acropolis	52869,000
JackiePsarianos	49622,500
stephenfry	26928,583
britishmuseum	16106,684
VisitGreecegr	13897,588
MilitaryRaiden	12278,000
AcropolisMuseum	8144,416
elginism	6681,008

Table 8. Top ten eigenvector centrality nodes.

Vertex	Eigenvector centrality
acropolismuseum	0,050
BCRPM	0,007
keridouglas	0,004
AcropolisAthens	0,004
KVaselopulos	0,003
GGWorld	0,003
MarblesReunite	0,003
gtpr	0,003
LAmineddoleh	0,003
xfailadis	0,003

Table 9. Top ten PageRank nodes.

Vertex	Page Rank
acropolismuseum	130,826
Acropolis	26,775
BCRPM	23,545
stephenfry	17,625
britishmuseum	11,045
MilitaryRaiden	7,135
AcropolisMuseum	6,803
VisitGreecegr	5,580

Vertex	Page Rank
elginism	5,240
ParthenonMarblz	4,241

However, sorting by closeness centrality and selecting all vertices (174) with this metric equal to 1 (which is the max whereas min=0) identifies this cluster which can effectively be neglected.

Figure 9. Filtering with closeness centrality.

Better, if sorted by PageRank we can identify that this cluster consists of 619 self-tie nodes that have the PageRank metric equal to exactly 1; any other value (meaning they have some other connection as well) gives a node which participates in the rest of the network.

Figure 10. Sorting and selecting by PageRank.

Figure 11. Filtering with PageRank.

For the clustering coefficient, we have only 40 non-zero values. If sorted from largest to smallest and then sorted by PageRank we have to consider some of the zero-valued coefficients which are high in PageRank to reconstruct the network to a large extent (i.e. leaving out only insignificant parts).

Figure 12. Reconstructing the network.

Thus, our dataset can be processed in various ways within NodeXL, so that e.g., it does not include nodes that do not contribute to the network’s conversational structure. However, this can be easily achieved and demonstrated with groups or connected components. First, we need to count and merge duplicate edges. In our case there was only one duplicate (edge weight max=2, min=1):

Figure 13. Count and merge duplicate edges.

Then we can proceed and find clusters (Clauaset-Newman-Moore), colour them differently and place isolated nodes in one group:

Figure 14. Network clusters.

This creates two new tabs, groups and group vertices. There are 146 groups and some new overall metrics. There are no isolated nodes, groups with only two nodes (dyads) and groups with triads etc. G1 is the previously examined “unwanted” cluster, consisting of reciprocal ties only. Its use is only for hashtags and text (sentiment) analysis, as there is no network, and hence no conversation:

Table 10. Cardinality of each group.

Group	# of nodes	Group	# of nodes
G1	467	G10	18
G2	263	G11, G12	10
G3	115	G13	7
G4	67	G14, G15	6
G5	41	G16 – G19	5
G6	24	G20 – G25	4
G7, G8	22	G26 – G45	3
G9	19	G46 – G146	2

On each group, the lowest vertex ID suggests the dominant node in the cluster; e.g. if sorted by vertex id we have (not all displayed):

	A	B	C
1	Group	Vertex	Vertex ID
2	G2	acropolismuseum	3
3	G8	AcropolisMuseum	3
4	G145	acropolisMuseum	3
5	G3	BCRPM	4
6	G4	Acropolis	5
7	G5	stephenfry	6
8	G3	britishmuseum	7
9	G3	BritishMuseum	7
10	G9	MilitaryRaiden	9
11	G6	VisitGreecegr	10
12	G10	elginism	11
13	G3	AcropolisAthens	12
14	G6	ParthenonMarblz	13
15	G7	archaiologia_en	14
16	G3	keridouglas	15
17	G10	MarblesReunited	16
18	G82	marblesreunited	16
19	G3	GGWorld	17
20	G3	KVaselopoulos	18
21	G3	dimitrakarakou	19
22	G18	ellymariasymons	20

Figure 15. The groups' dominant nodes.

For a better visualization of the dominant nodes, we could have mapped vertex color to eigenvector centrality and vertex size to betweenness centrality as in [33], but this is not shown here. Other experimentation could have taken place, e.g. grouping by connected components, motif or some vertex attribute.

The subgraph images can be created (default settings) and laid out separately:

Figure 16. Subgraph thumbnails.

Our data can be exported in various formats, e.g. GraphML for use in Gephi but this is a NodeXL Pro feature. The tweets' text corpus is also subject to further, more advanced textual analysis, as for example within a *word2vec* model.

4. Conclusion

One of the most stunning findings about our network is the disproportion of the “information” and “attention” sub-networks. The former (outgoing connections) comprises of only 3 tweets, which are actually the three first seminal tweets sent by @acropolismuseum, the official Twitter account for the museum, on its opening day (21/6/2009 at 16:26, 16:27 and 18:54 respectively). There was no activity since then. On the other hand, bloggers around the world seem to be more passionate about the museum, thereby building the latter network (incoming connections) consisting of replies, retweets, mentions and embedded hashtags.

Most of the tweets in our extracted network about the New Acropolis museum are positive. That means that existing visitors or people that intend to visit the museum have a positive view about it. More than half of the occurrences (almost 1/3) were tweets, while there were very few replies and even fewer retweets. Comparing our study with that of Hausmann we can see that for a popular museum like that of the New Acropolis Museum in Greece, the use of Twitter is significantly lower than in Germany. The same applies when comparing our results with Badell's study where it is obvious that the museum in Spain have more replies than the New Acropolis Museum.

Another finding is that bloggers use other hashtags such as travel, Plaka, Alamuddin and lego. In terms of travel, Athens is a famous destination for a lot of tourists in order to visit the New Acropolis Museum or even the Parthenon. Plaka is the place that the museum is located. Alamuddin a famous lawyer married to George Clooney is a lawyer that makes efforts for the return of Parthenon Marbles. Lego is used as there is an impressive miniature of the Acropolis constructed by Lego in the museum entrance, which was donated by the University of Sydney's Nicholson Museum. Also the Acropolis Museum is organizing educational programs based on Lego. As we can see, hashtags are related to exhibition themes, to locations and to issues about the return of Parthenon Marbles.

Users of social media use Twitter in order to express their opinion, whether positive or negative for the museum. The New Acropolis Museum seems to be the most active museum in Greece that is organizing its communication strategy using social media. The managers of the museum understand that a well organized web-site is not enough for promoting their services and inform future visitors about events and exhibitions. As there is an increase of users of social media they have embodied social media in their “promotion” strategies and they have another way for communication with their public.

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