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Examination of YouTube videos related to DSpace

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Examination of YouTube videos related to DSpace

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Abstract:

Online video is playing a significant role in today's life. YouTube is a popular videos sharing site used by millions of people around the world. The objective of the current study is to examine the characteristics of YouTube videos related to DSpace software. It is an open-source digital library software used in many libraries. The data was extracted from YouTube using Webometrics Analyst Software. There were 270 videos found related to DSpace. Furthermore, the results showed that about 76% of the DSpace videos had high definition (HD) whereas, 24% videos had standard definition (SD). Moreover, study revealed that, out of 270 DSpace videos, 214 videos found audio sound and 56 videos had no audio output. The study result also indicated that the

majority of the videos are related to introduction to DSpace and the installation of DSpace. The study also discussed duration of videos, top ten views, commented and likes videos related to DSpace. From the user's point of view, it is a good sign to find out more videos on DSpace from different channel IDs. The study noticed that the videos having DSpace installation is greater impact on people which are uploaded by YouTubers. Online videos have wider impact on academic activities and students are regularly use these videos for their self-study. Researchers and teachers should evaluate the online videos and should use high impact videos for student lectures so that, YouTubers and software developers upload these kind videos at regular intervals.

Keywords: Content Analysis, DSpace videos, Online Videos, YouTube videos

Introduction

Now day's internet is the most important thing in all over the world and there are numerous websites on the internet, which are used by users in day to day life. Out of the numerous sites most important and user-friendly website is YouTube. (Hopkins, 2006) it is a video-sharing website created in February 2005 and later on Google bought this site in 2006 and from then YouTube is operated by Google (Paul and Monica,2006). (Cohen, 2013) in addition to this, it is one of the world's most popular video-sharing website. It is the second, most viewed website after Google (Alexa.ocm, 2018). The popularity of social media is increasing rapidly because, it is easy in use and simple to create and share images, videos even from those users who are not much aware of technologies related to social media. (Asghar, Ahmad, Marwat, & Kundi, 2015) YouTube is the most popular platform for millions of videos uploaded by users and billions of comments for all these videos. It allows to upload, view, rate, share, add to favorite, make comments and more importantly. (YouTube.com, 2018) Over the 1.9 billion logged-in users visit YouTube each month and more than 70% of YouTube used by mobile. It has been launched in local versions in more

than 91 countries. This paper-based on YouTube videos related to DSpace open source software, which all are uploaded by various people on YouTube. The main objective of this research is to examine the quality of uploaded videos, numbers of like count, views counts and also find out the total numbers of those publishers publish DSpace videos on YouTube having license.

Related Work

Research related to this study has been carried out by various researchers; among those researchers(Kousha, Thelwall, & Abdoli, 2012) present a survey on YouTube videos and discuss the impact of online videos on in academic publications. Different researchers have carried out their studies in various ways keeping YouTube the base of their studies (Sugimoto & Thelwall, 2013;Parabhoi & Chand, 2018; Parabhoi & Saha, 2018; Thelwall, 2018). (Siersdorfer, Chelaru, & Augusta, 2010) analyzed in-depth study of commenting and comment rating behavior on a sample of more than 6 million comments on 67000 YouTube videos and also analyzed about sentiments expressed in comments. (Basch, Hillyer, MacDonald, Reeves, & Basch, 2015) YouTube is the most visited website overs internet having a good number of videos related to health information. (Ajumobi, Malakouti, Bullen, Ahaneku, & Lunsford, 2016) conducted study online videos related to bowel preparation which is available on YouTube. Authors have selected those high content videos which were based on bowel preparation. Criteria of their study were based on definition of bowel preparation, significance of bowel preparation, guidelines for home medications, name of bowel cleaning agent and so on. Same kind of study made by (Fullwood, Kecojevic, & Basch, 2016) on YouTube videos which were related to high content videos based on SCB's. They gave a term K2 to those videos which have liked more than 1000. In their study they found that number of views was over 7.5 million almost half of videos that they have selected their study were based on consumer products. (Chiavone et al., 2016) He has done his research on

urinary catheterization related videos, which are available on YouTube. (Tényi et al., 2016) Twenty-five videos of convulsive convulsions were obtained from YouTube. The videos were analyzed on the basis of documenting observations of the casualty. The study found that there is one comment of every 204 views of YouTube videos mean .0.5% views leave comments.(Nissan, Gupta, Carron, Rayess, & Carron, 2017) reviewed 99 videos related to rhytidectomy. They reported that, (81%) videos created by physicians followed by (14%) videos created by patients and (5%) created by third party .(Thelwall, Sud, & Vis, 2012) study related to the viewer's reactions on YouTube videos and study found that every 204 views of YouTube videos having at least comment.(Song, Jeong, & Kim, 2015) conducted a study on commenting behaviour of users through the topology of K-POP videos community. Very recently (C H Basch et al., 2018) additional information found related skin bleaching in Videos, which are created by television sources. (Hansen et al., 2016) study on medications and pregnancy related term which were used or using by viewers for their search. YouTube could serve as a platform for communicating evidence- based medication safety information.(Kim & Kim, 2010) conducted an experimental study in proposed algorithm and their study shows that participants has given better views on videos , which they have seen on YouTube.

Methods:

In this study, the data was extracted from YouTube using Webometrics Analyst software. A search term "DSpace" entered to Webometrics Analyst software. There were 270 videos found pertaining to information to DSpace. In order to study, characteristic of DSpace videos, some videos were removed due to, irrelevant and not provide information to DSpace. All the videos were watched on YouTube to identify and get relevant results. Data were recorded, views count, durations, likes count, license, quality of videos and authorship.

Results

Growth of Videos

Figure .1 shows the growth of online videos related to DSpace from 2008-18. Out of 270 videos, majority of 68 videos uploaded in the year 2016. Whereas, only 1 video was uploaded in year 2008 and 2009. The growth of online DSpace videos was not stable and growth was up and down. However, from 2017-2018 the growth of rate of YouTube videos was downward.

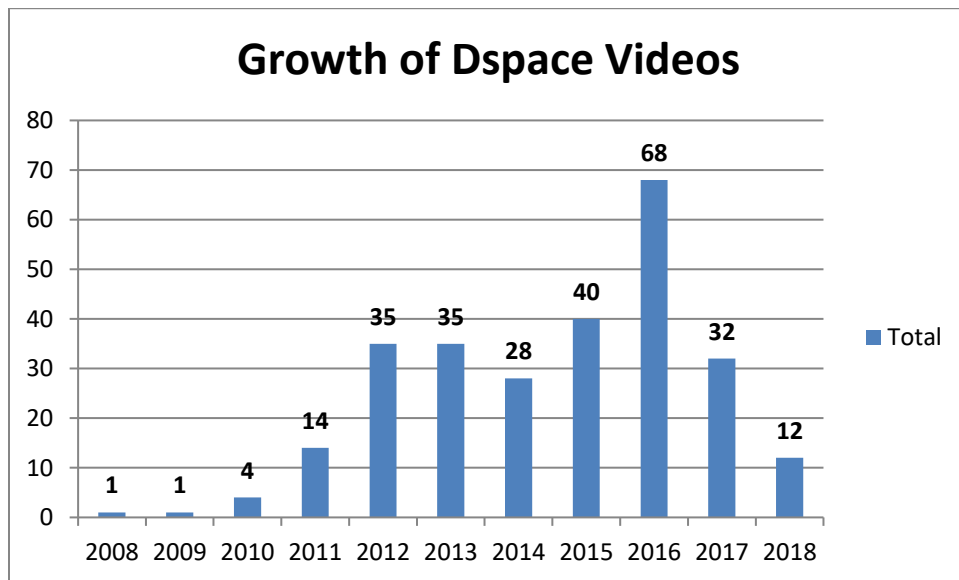


Figure.1

Video license

The table below illustrates the number of videos with their licenses. For this analysis, the researcher had collected 270 unique videos that were retrieved from YouTube, information related to DSpace, out of 270 videos 196 videos had YouTube license whereas, 74 videos had Creative

Common (cc) license. Furthermore, the data informs that, the majority of videos uploaded on YouTube having YouTube license as compare to Creative Common.

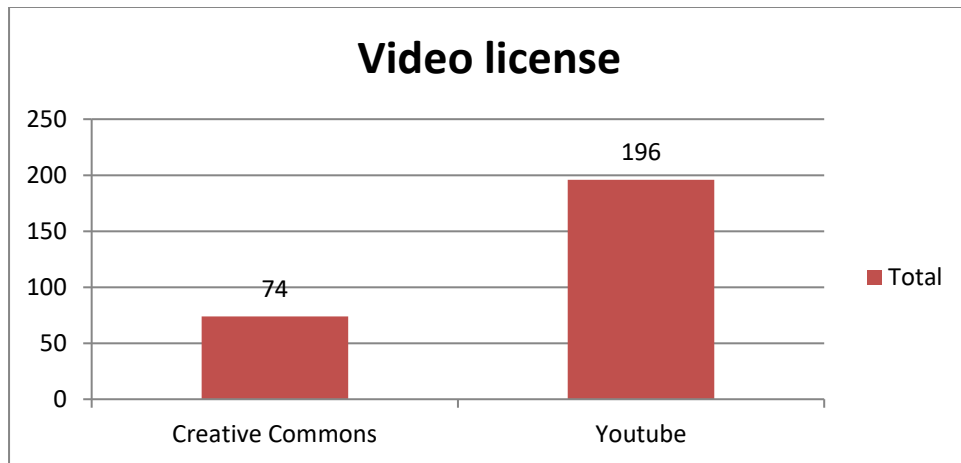


Figure 2

Video Quality

Figure 3 shows the different qualities of DSpace videos, which were found on YouTube. Out of 270(100%) numbers of videos 76% of videos found high definition (HD) videos whereas 24% found standard definition (SD) videos which were uploaded on YouTube.

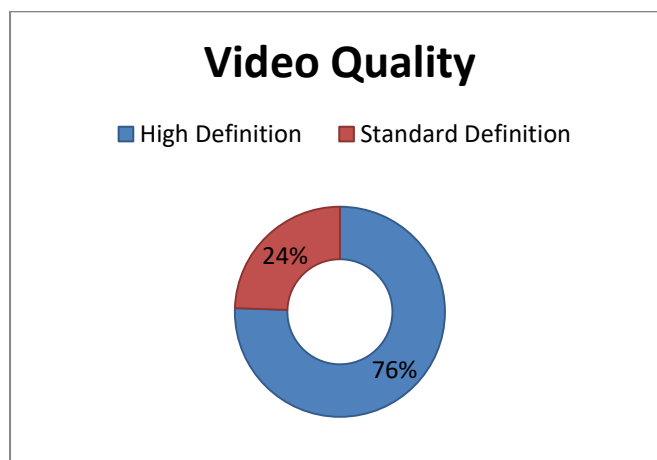


Figure 3

Top fifteen commented videos

As shown in Table 1, the 15 most commented videos related to DSpace software. Furthermore, the data reveals that the title “How to install DSpace on Windows Operating System” received 157 comments by Jasminer pal Singh got first position. The data also informs that the title related to basic information to installation and procedure of DSpace was mostly commented by viewers.

SL No	Title	Channel Title	Comment Count
1	How to install DSpace on Windows Operating System	Jasminer Pal Singh	157
2	Instalando o DSpace 5 no Windows	Rodrigo Prado de Jesus	35
3	DSpace 6.1 Installation in Windows 10 Operating System by Dr. Santosh Gupta 2017	Santosh Gupta	35
4	DSpace SMTP server setup for enabling Emails DSpace Gmail SMTP Configuration	Jasminer Pal Singh	27
5	How to Customize DSpace Layout / User Interface / Pages JSPUI	Jasminer Pal Singh	17
6	DSpace 4.2 Instalación N°4 - DSpace	BiblioLab	16
7	IntelliJ IDEA 13 setup for DSpace development on Mac OS X	atmireclips	16
8	An Introduction to مقدمة إلى دي سبيس - الجزء الأول DSpace	HamadDafallah	11
9	03 install DSpace	Hilton Gibson	10
10	DSpace 4.2. Instalación N°1 - Pre-requisitos, JDK 7 y apache maven	BiblioLab	10
11	Instalacion y configuracion de DSpaceenmaquina virtual	Erick Aguayo	9
12	Instalación de DSpace 5.1 en Windows	CCV Comunidad del Conocimiento Virtual	8
13	DSpace 1.8.2 Installation #1 - Prerequisite Software Components	LightonPhiri	8
14	Ingreso de publicacionesenDSpace	gutiteacher	8
15	Hướng dẫn chnh sử giaodiện DSpace	Nguyen Dinh	7

Table 1

Top Ten Like videos

Table 2 presents the top ten like DSpace videos found on YouTube. The data reveals that the title “How to install DSpace on window operating system” by channel title “Jasminder pal Singh” most liked video by viewers with 77 likes. Moreover, the data informs that the most liked videos by viewers were related to installation, introduction, and configuration of DSpace software.

SL No	Title	Channel Title	Like Count
1	How to install DSpace on Windows Operating System	Jasminder Pal Singh	77
2	#Aprender3C - RepositoriosDigitales con DSpace	Aprender3C	57
3	How to Customize DSpace Layout / User Interface / Pages JSPUI	Jasminder Pal Singh	32
4	WEBINAR: Introduction to DSpace (October 2013)	EIFL	32
5	DSpace SMTP server setup for enabling Emails DSpace Gmail SMTP Configuration	Jasminder Pal Singh	30
6	Instalando o DSpace 5 no Windows	Rodrigo Prado de Jesus	29
7	LibLiveCD -- DSpace and Koha LiveCD	liblivecd	20
8	Instalación de DSpace 5.1 en Windows	CCV Comunidad del Conocimiento Virtual	19
9	1 - Introduction to IR / Digital Library and DSpace	Librarian Guide	19
10	Instalacion y configuracion de DSpaceenmaquina virtual	Erick Aguayo	18

Table 2

Most view DSpace videos

Table 3 shows that people were watching different kinds of videos related to DSpace. Most viewed video title was” How to Install DSpace on window operating system” by channel Jasminder Pal Singh with 26725 views count followed by the title “How to customize DSpace layout/ user interface /pages/JASUI” by Jasminder Pal Singh with 17023 views count further followed by title

“WEBINAR introduction to DSpace (October 2013)” by EIFL got third position with 15600 views count. It can be said that the videos related to basic introduction and customization of DSpace were mostly viewed by viewers.

SL No	Title	Channel Title	View Count
1	How to install DSpace on Windows Operating System	Jasminder Pal Singh	26725
2	How to Customize DSpace Layout / User Interface / Pages JSPUI	Jasminder Pal Singh	17023
3	WEBINAR: Introduction to DSpace (October 2013)	EIFL	15600
4	LibLiveCD -- DSpace and Koha LiveCD	liblivecd	13388
5	Implementing DSpace as a Digital Repository for your library	caliorg	11480
6	#Aprender3C - RepositoriosDigitales con DSpace	Aprender3C	7697
7	Mirage XMLUI Theme for DSpace 1.7	atmireclips	7328
8	DSpace Customization	atmireclips	6523
9	Instalación de DSpace 5.1 en Windows	CCV Comunidad del Conocimiento Virtual	6420
10	03 install DSpace	Hilton Gibson	6405

Table

Distribution of Videos by Language

Table 4 informs DSpace videos found in different languages. It was found that out of 270 videos 121 videos were no audio whereas, 107 videos were found in English language followed by 30 videos in Spanish language, 4 Arabic, 2 Portuguese, 2 Vietnamese, 2 others, further followed by

French and Turkish 1 videos each. It was observed that very few DSpace videos found in Arabic, Portuguese, Vietnamese, French and Turkish.

SI No	Language	No of Videos
1.	No Audio/No Language	121
2.	English	107
3.	Spanish	30
4.	Arabic	4
5.	Other	2
6.	Portuguese	2
7.	Vietnamese	2
8.	French	1
9.	Turkish	1
	Grand Total	270

Table 4

Duration of Videos

The videos were categorized by the duration of time and are presented in table no 5. It was found that out of 270 videos majority of 134 videos duration range between 0-10Minutes, followed by 41 videos duration range between 10-20 Minutes, 31 videos duration range between 20-30 minutes, 30 videos duration range between 31-60 minute and 34 videos above the 1-hour length. It can be said that more than half of the videos shorter than 30 minutes.

SI No	Range	No of videos
1.	0-10Minutes	134
2.	10-20 Minutes	41
3.	20-30 minutes	31
4.	31-60 minute	30
5.	Above 1 hour	34
	Total	270

Table 5

Conclusion:

The study indicates major findings of DSpace videos. In this brief study and analyzed of DSpace videos, we found a significant result that is discussed above. The study gave us an idea about the popularity of DSpace and supported by large community. The result shows that most popular videos were related to installation and introduction to DSpace software. Out of 270 DSpace videos 196 videos found having YouTube license rather than creative common (cc) license. About 76% of the DSpace videos have high definition whereas 24% videos have standard definition videos. Out of a total of 270 numbers of videos 214 having audio sound and 56 videos have no audio. It was found the tile “how to install DSpace on windows operating system” channel by Jasminder Pal Singh is most view videos with 26725 views counts. More than half of the videos found shorter than 30 minutes. From the user’s point of view, it is a good sign to find our more videos on DSpace from different channel IDs. The study noticed that the videos having DSpace installation is greater impact on people which are submitted by the creator of the videos.

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