

Big Data Analysis Assignment Page Rank and CPM

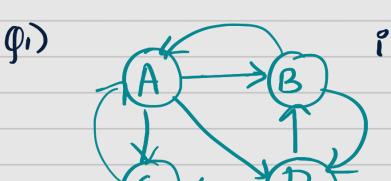
Data Analysis (University of Delhi)



Scan to open on Studocu

BDA ASSIGNMENT

24.9.21



?> SIMPLIFIED

Sturation/

A B C D

H = A 0 1/2 1 0

B 1/3 0 0 1/2

C 1/3 0 0 1/2

$$V_0 = \begin{bmatrix} A \\ B \\ C \end{bmatrix} = \begin{bmatrix} 1/4 \\ 1/4 \\ 1/4 \end{bmatrix}$$

$$V_0 = \begin{bmatrix} A \\ B \\ C \end{bmatrix} = \begin{bmatrix} 1/4 \\ 1/4 \\ 1/4 \end{bmatrix}$$

S studocu

$$3/8$$
 $V_1 = 5/24$
 $5/24$
 $5/24$

* Heration 2

$$V_2 = \frac{15/48}{11/48} = \frac{5/16}{11/48}$$
 $\frac{11/48}{11/48} = \frac{11/48}{11/48}$

ii> MODIFIED

$$= \begin{bmatrix} 1/20 & 9/20 & 17/20 & 1/20 \\ 19/20 & 1/20 & 1/20 & 9/20 \\ 19/60 & 1/20 & 1/20 & 9/20 \\ 19/60 & 9/20 & 1/20 & 1/20 \end{bmatrix}$$

@ Huration!

$$= \frac{7}{20}$$

$$\frac{13}{60}$$

$$\frac{13}{60}$$

) Huration 2

$$V_{2} = M_{0}V_{1}$$

$$= 19/60 \quad 9/20 \quad 17/20 \quad 9/20 \quad 13/60$$

$$= 19/60 \quad 9/20 \quad 9/20 \quad 13/60$$

$$= 19/60 \quad 9/20 \quad 9/20 \quad 13/60$$

$$= 19/60 \quad 9/20 \quad 9/20 \quad 13/60$$

(2)				
17	OTQ	CONT	PRED	ADH
Stock Market	SOMETIMES	V		80MF TIMES
Initter Posts	SOMETIMES	V	V	SOMETIME
Call Quails Records				V
fmails .				V
Blogging				V
Senson Nework		V		
Chandrayan 2	V			V
				-

93) CPM

Finding Cliques of Size 3
{A,B,C3, {D,E,F}, {G,H,1} ii) (lique graph (No common Kurticus) (ABC) (OCF) (GHI) iii) Communities (No adjacent cliques) JA,B,C3 20, E, F3 2G, H, 13