RAKE => Rapid Automatic Keyphrose extraction

5 AARC is consist of South Asion countries, gradia
is supporting SAARC.

1 Landidate generation

Splits data -> Stopmord

punctuation

List of condidates

[ <u>5AARC</u>, <u>consist</u>, <u>South Asion countries</u>, <u>9ndia</u>,

<u>Supporting</u> <u>5AARC</u>]

2 landidate scoring

Degree = Degree = Frequency

unique mords	Frequency	Degree	Score
SAARC	2	2	2/2 = 1
consist	l		1/1 = 1
South	1	0	0/1 = 0
Asion	1	1	l
courtries	l	1	l
gndia	1	1	1
Supporting	1	0	O

1	SAARC 1	consist	south	Asion	countries	India	Supporting
SAARC	-	0	0	0	0	р	0
consist	0		0	0	0	0	0
South	0	0	0	1	0	0	0
Asion	0	0	0	0	I	0	0
courtries	0	0	0	0	0	0	0
grdia	0	0	0	0	0	1	0
Supporting	1	0	0	0	0	0	0
Degrel	2	- 1	0	1		1	0

[ SAARC, consist, South Asion courtries, India, Supporting SAARC]

"SAARC SAARC"

"SAARC CONSIST"

"SAARC"

" consist consist"

" consist"

"South South"

" South"

I core of Keyphrases:

Score (South Asian countries) = Score + of + of + of South Asian countries

= 0 + 1 + 1 = 2

Score (Supporting SAARI) = Score + Score
Supporting SAARI) = Store + Store
Supporting SAARI

YAKE: -> Yet Another Keyphrase ratracter

SAARC is consist of South Asian countries,

\* India is supporting SAARC.

1) bondidate generation

landidates -> SAARC, South Assian countries, Supporting SAARC

2 landidate scoring

a - score (a) casing  $(w) = \max(\text{count}(w) \text{ is capital})$ , count (w) is acronym)

Acronym = SAARC, NGO lapital = 9ittle case count(w) = 4 + 3 + 2SAARC = 4 times baarc = 3 times saarc = 2 times cosing  $(5AARC) = \frac{masc(3,4)}{[+log(9)]} = \frac{4}{[+log(9)]}$ b-score 6 Word position = log (log (3+ median (len(w)))) ser (w) = list of positions of more 15AARC 10 SAARC SAARC 19 25 SAARC SAARC Jan (5AARC) = [1,10,19,25,36] Thord position (SAARC) = log (log(3 + median ([1,10,19,25,36])))) = loa (loa (3 + 19))

C- score

@ mord frequency score = count of mord

mean ( count ) + std der (count)

mood breamery (SAARI) = count of SAARI

mean([[],---(100])+Std.der([[],--(100])

1 document = 100 moreds =  $\omega_1, \omega_2, \omega_3, \ldots, \omega_{100}$ count of mored =  $c_1, c_2, c_3 - \ldots c_{100}$ count =  $[c_1, c_2, c_3, - \ldots, c_{100}]$ 

d-score

(d) Word Relatedness = 1+ (WR + WL) x count(w) + PL + PR max count

WR = No. of unique mords on Right

Dotal mords on Right

WL = No. of unique mords on left

Dotal mords on left

Mass count = Total words in the document

PR = Total words on Right

Moss count

PL = Gotal words on left Max count

The are learning NLP and NLP is [consist]

of both Machine learning and Deep learning.

Thord Relatedness (consist) = 1+(6, 6); 1, 7, 7

word Relatedness (consist) =  $1+\left(\frac{6}{7}+\frac{6}{7}\right)\times\frac{1}{15}+\frac{7}{15}$ 

 $WR = \frac{6}{7}, WL = \frac{6}{7}$ 

Max count = 15  $PR = \frac{7}{15}$ ,  $PL = \frac{7}{15}$ 

e-score

@ word different score = No. of sentences containing

Total no. of sentences

mord different (SAARC) = 100

Acore of  $(w) = \frac{d \times b}{a + \left(\frac{c}{d}\right) + \left(\frac{e}{d}\right)}$ 

Here, a = casing score
b = Position score

C =	= brequerer = mord re = Mord di	score		
Q.	= Word di	bount see	ghel	
Key phocase	scorl =	Product	(Score (x	A), score (B)
(A,B)	1+(	Sum of so	ore of A,B)	x court (key pho
Su	sporting 5	AARC		
L	"55"			
		"65"		_5
		"55"	_	
\				

YAKE => Keyphrase ) => Keyphrase ?

Score V => important?

RAKE => Keyphease score 1 => Keyphease 1 important