K.G.C.E. Karjat - Raigad Assignmen No1-01B

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a fully Observable & Deforministics (2) Episodic	250	Character.	tollowing
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Q3 Write a note on language model.	
The goal of a language model is to	Compute a
probability or a token (e.g. a sentence	DY Seguence
of words) and are useful in many diffe	sent NPI
application.	7010
- language. Moder (cm) actually a gram	mas of a longues
as it gives the probability of word the	
- In age of (cm) the probability of	Rentence as
sequence of words 75 !- P(W)= P(W),	102.102 Wn)
- It can also be used to find the prok	pability of the
next word in sentence, Plws/ w, w, c	02100
- A model that computes either or thes	se ic language
model.	, 13 (Str.) 3 (Str.)
- There are various language model avai	lable a fein ase
@ Methods using markov assumption!	2001
- A process which is stochastic in nature	os solid
to have the markov property of the co	
probability of future states depends up	on present
State.	70.7
BN-999m models!	
	n francis
- From the mosk ov Assumptions, we and define models where k-n-l as follows.	27 100114114
P(W1/W1W2 Wi-1)	13.
a Voige en Model (K-1)	
O Vnigram Model (K=1)1 P(B1W2 - Wn) = T(P(Wi)	
1 (Wi)	
a none of day (N-2)	
d) Bigram Model (K=2)	
P(W, /W, w2 101-1) = P(Wi/Wi-1) (W, /Wi-1) = Count (W1-1	
크림 등 부분에 가득하면 보면 이 전문에 가면 보다면 보다면 보다면 보다 보다.	
Count (Wi-1	

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9.4	Write anote on Machine Translation
	Machine Translation is classic test of language understand
	It ansists of both language analysis and generation.
	Many Machine teanslation system have huge commer-
	Cal use following are few of the examples!
0	Google Translate goes through 100 billion words
	per day.
0	EBay use machine teanslation techniques to enable
	Crossboarder trade and Connect buyers / Sellers
	around globe.
0	Facebook uses (MI) to translate text in posts and
	comments automatically in order to break language
_	bassioss.
٥	System be come the first software provider to lounch
	a Neural Machine Translation engine in mosethan
_	30 languages en 2016.
0	Microsoft brings AI - powered translation to endwers
-	and developers on Andrord, los and Amazon, fire,
-	whether or not they have access to the Internet.
1	In a teanditional machine Translation system pasallel Corpus a Collection or is used to each or width
	or legisted 9 nts are As more other land
	rs teanslated 9 nto one or more other languages
-	than the original for example given the Source language eg . English, muttiple statistical models
-	read to be build anounding a probabilities of form
	needs to be build including a probabilistic formula
	using the regression Rule a translation matel P(R) e
	trained of brance, repos and a language imported
	P(e) trouned on the english corpus.

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Nai	ijai - i	KAGCEKGCEKGCEKGCEKGCEKGCEKGCEKGCEKGCEKGCEK
GCERGCERGCERG	11	To a about that this approach skips hundread of
		in post details, sequire a lot of human Return an engineering and is overall a Complex system
	0.5	Explain the following terms:
	(2)	Phonology!
	-	It is the study of Organizing sounds, systematically in an NCP (Natural language Pricessing) System.
	<u></u>	Morphology: It is a study of constmution of words from primitive meaningful units.
	<u></u>	lexical Analysis: Lexican is the words and phrases in language. Lexical analysis deals with the recognition and identificate at Structure of sentence - It divides the paragraphs
		of stellense orsertence to approve and words.
(<u>a</u>)	Syntatic Analysis In Syntatic Analysis the sentences are passed as hour, verbs, adjective and other parts of sentences In this phase the grammors or the sentence is
		In this phase the grammor or the sentence is
		different words in sentences.
		Por Eg: 1 Mango Each mell will be rejected by
		-, -, -, -, -, -, -, -, -, -, -, -, -, -
	. 11	다 가는 사람들이 되는 것이 있다. 그 사용하는 경치는 사람은 사람들이 되어 보면 있다면 다른 사람들이 되었다.

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@ Word sense disambiguation!-	4
- While asing words that have mon	re than one measuring
- While asing words that have mon we have to select the meaning w	olich make the most
sense in context for eg wear	ge typically given
a 19st of words associated we	and sensel per fro
a diction only or from an onl	ing ecourse Such
a diction way of from an on	THE RESERVE S (S)
as word net.	