

Quiz for NLP

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Enrollment No. *

Choti_bacchi_ho_kya?

Section *

IPC

Which language can be called as ambiguous language:

- ☒ Natural Language
- ☐ Formal Language
- ☐ Programming language
- ☐ Scripting Language

Clear selection



Finite state transducer can be used as:

- ☐ Recognizer
- ☐ Transducer
- ☐ Generator
- ☒ All of the above

Clear selection

Which of the following includes major tasks of NLP?

- ☐ Automatic Summarization
- ☐ Discourse Analysis
- ☐ Machine Translation
- ☒ All of the mentioned

Clear selection

In RE the disjunction operator is

- ☐ &
- ☒ |
- ☐ *
- ☐ None of the above

Clear selection



We can also represent an automaton with

- ☐ State transition table
- ☒ State transition digram
- ☐ algorithm
- ☐ None of the above

Clear selection

Which level of NLP task deals with grammar and structure of sentences.

- ☒ Syntatic
- ☐ lexical
- ☐ pragmatic
- ☐ None of the above

Clear selection

in.....morphology a word stem with a grammatical morpheme, usually resulting in a word of a different class.

- ☐ inflectional
- ☒ derivational
- ☐ both
- ☐ None of the above

Clear selection



FSAs are isomorphic to

- ☐ regular grammar
- ☐ regular language
- ☐ regular relations
- ☒ all of the above

Clear selection

If T_1 is a transducer from I_1 to O_1 and T_2 a transducer from O_1 to $COMPOSITION$ O_2 , then $T_1 \circ T_2$ maps from I_1

- ☐ O_1
- ☒ O_2
- ☐ T_1
- ☐ T_2

Clear selection

In the finite-state morphology a level, which represents a concatenation of morphemes making up a word

- ☐ Syntactic
- ☒ lexical
- ☐ surface
- ☐ semantic

Clear selection



The symbol ^ indicates a

- ☒ morpheme boundary
- ☐ sentence boundary
- ☐ word boundary
- ☐ None of the above

Clear selection

spelling rules can be implemented as transducers

- ☒ true
- ☐ false

Clear selection

Word tokenization can be done by

- ☒ regular expressions
- ☐ Transducer
- ☐ both
- ☐ None of the above

Clear selection



the word 'established' uses.....morphology.

- ☐ derivational
- ☒ inflectional
- ☐ both
- ☐ None of the above

Clear selection

in derivational morphology we have suffixes like.....

- ☐ able
- ☐ ation
- ☒ ness
- ☐ all of the above

Clear selection

the symbol # indicates

- ☐ morpheme boundary
- ☐ sentence boundary
- ☒ word boundary
- ☐ None of the above

Clear selection



FST has a more general function than an FSA

- ☒ true
- ☐ false

Clear selection

Which of the following is an irregular verb?

- ☐ Walk
- ☐ fry
- ☐ talk
- ☒ speak

Clear selection

What kind of signal is used in speech recognition?

- ☐ Electromagnetic signal
- ☐ Electric signal
- ☒ Acoustic signal
- ☐ Radar

Clear selection



What is viewed as problem of probabilistic inference?

- ☒ Speech recognition
- ☐ Speaking
- ☐ Hearing
- ☐ Utterance

Clear selection

Suppose each edit (insert, delete, replace) has a cost of one. Then, the maximum edit distance cost between the two strings is equal to the length of the larger string.

- ☒ true
- ☐ false

Clear selection

A Bottom-Up parser never explores options that will not lead to a full parse

- ☒ true
- ☐ false

Clear selection



Any word not in a dictionary is an error of type.....

- ☒ non-word error
- ☐ cognitive error
- ☐ complex error
- ☐ simple error

Clear selection

Let $D(i,j)$ denote the edit distance of $S1[1..i]$ and $S2[1..j]$. then $D(0,j)$

- ☐ i
- ☒ j
- ☐ i+j
- ☐ i-j

Clear selection

ARPAbet is an example of

- ☐ English alphabet
- ☒ phonetic alphabet
- ☐ natural language alphabet
- ☐ all of the above

Clear selection



Consider the strings “monday” and “tuesday”. What is the edit distance between the two strings?

- ☐ 2
- ☐ 3
- ☒ 4
- ☐ 5

Clear selection

..... express the idea of mutational changes in string.

- ☒ edit frequency
- ☐ edit transcript
- ☐ edit probability
- ☐ edit number

Clear selection

Phonological rules describe how phoneme are realized as theirin the given environment.

- ☐ sound
- ☐ phone
- ☒ allophone
- ☐ speech

Clear selection



Mathematically, string alignment and edit transcripts are equivalent

- ☒ true
- ☐ false

Clear selection

Minimum edit distance algorithm is based on.....strategy.

- ☐ divide and conquer
- ☐ greedy
- ☒ dynamic programming
- ☐ None of the above

Clear selection

A language model must be trained on a small corpus of text to estimate good parameter values.

- ☐ true
- ☒ false

Clear selection



extrinsic evaluation are.....

- ☐ cheaper
- ☐ costlier
- ☒ not required
- ☐ irrelevant

Clear selection

.....is a measure of how well a model “fits” the test data.

- ☐ entropy
- ☒ perplexity
- ☐ probability
- ☐ F-measure

Clear selection

Back-off technique is used for

- ☐ accuracy determination
- ☒ smoothing
- ☐ sorting
- ☐ None of the above

Clear selection



the way words are arranged together is known as.....

- ☐ lex
- ☒ syntax
- ☐ semantic
- ☐ pragmatic

Clear selection

"Show the lowest fare" the sentence grammar can be represented as

- ☒ $S \rightarrow VP$
- ☐ $s \rightarrow NP$
- ☐ $S \rightarrow VP NP$
- ☐ $S \rightarrow NP VP$

Clear selection

Context free Grammar is powerful enough to express sophisticated relations among the words in a sentence.

- ☒ true
- ☐ false

Clear selection



Parse trees are useful in applications such as

- ☐ Grammar checking
- ☐ Machine translation
- ☐ Information extraction
- ☒ all of the above

Clear selection

Which learning is more suitable for parser to have good accuracy

- ☒ supervised
- ☐ unsupervised
- ☐ semi-supervised
- ☐ all of the above

Clear selection

The parser can be viewed asthrough the space of all possible parse trees to

- ☐ sorting
- ☒ searching
- ☐ insertion
- ☐ traversing

Clear selection



Groups of words may behave as a single unit is known as

- ☐ syntax
- ☐ semantic
- ☒ constituent
- ☐ non-constituent

Clear selection

Problems with the top-down parser is/are

- ☐ Inefficiency reparsing of subtrees
- ☐ left-recursion
- ☐ ambiguity
- ☒ all of the above

Clear selection

MLE (maximum likelihood Estimate)gives inaccurate parameters for models trained on data.

- ☐ dense
- ☒ sparse
- ☐ big
- ☐ small

Clear selection



Precision and recall compositely makes...

- ☐ E-measure
- ☐ Z-measure
- ☐ B-measure
- ☒ F-measure

Clear selection

Emotions can be.....

- ☐ positive
- ☐ negative
- ☐ neutral
- ☒ none of these

Clear selection

Our beliefs and perceptions of reality are conditioned on how others see the world

- ☒ yes
- ☐ no
- ☐ can't say
- ☐ not at all

Clear selection



Which of the following is correct about statistical machine translation technique.

- ☐ Unpredictable translation quality
- ☐ Rapid and cost-effective development costs
- ☒ both
- ☐ none of these

Clear selection

Select the Tools/Techniques that can be used with sentiment analysis

- ☐ Latent semantic analysis
- ☐ Grammatical dependency relations
- ☐ SentiWordNet
- ☒ all of the above

Clear selection

The main issue for NLP in building good question answering system is

- ☐ Lexical gap
- ☐ ambiguity
- ☐ multilingualism
- ☒ all of the above

Clear selection

Submit

Clear form

Google Forms

