

Unit 6 - Week 4: Word Processing

Register for Certification exam

Course outline

How to access the portal

Assignment-0 (Only for self assessment; not for grading)

Week 1: Introduction to Language

Week 2: Language Development in Infants & Young Children

Week 3: Speech Production and Comprehension

Week 4: Word Processing

- Lecture 16: Understanding Word Meaning
- Lecture 17: Word Meaning & Lexical Access
- Lecture 18: Lexical Access
- Lecture 19: Ambiguity and Representation of Meaning in the Brain
- Lecture 20: Meaning in the Brain
- Quiz : Assignment 4
- Feedback For Week 4
- Solutions for Assignment 4

Week 5: Sentence Processing

Week 6: Reading

Week 7: The Neural Basis of Language

Week 8: Bilingualism

Interaction Session

Assignment 4

The due date for submitting this assignment has passed.
As per our records you have not submitted this assignment.

Due on 2019-03-27, 23:59 IST

1) Which of the following statement is false about an experiment conducted by Bright and his colleagues in 2006?

- A technique similar to Voxel – based lesion symptom mapping was used.
- Results indicate that the degradation of semantic knowledge is all-or-nothing.
- fMRI was used to measure neural responses.
- None of the above.

No, the answer is incorrect.

Score: 0

Accepted Answers:

Results indicate that the degradation of semantic knowledge is all-or-nothing.

2) In _____ task, participants are required to say the word that goes with a picture.

- Confrontation Naming
- Category Fluency
- Definition
- None of the above.

No, the answer is incorrect.

Score: 0

Accepted Answers:

Confrontation Naming

3) Which of the following statement is correct about TRACE?

- Letters have only excitatory connections from word level.
- Only inhibitory connections are there within the layer of units representing letters.
- Letters give excitatory feedbacks to features.
- TRACE is a first-generation model.

No, the answer is incorrect.

Score: 0

Accepted Answers:

Only inhibitory connections are there within the layer of units representing letters.

4) Lexical access in COHORT model is the result of a continuous evaluation of the similarity between the auditory stimulus and stored word form representation.

- True
- False

No, the answer is incorrect.

Score: 0

Accepted Answers:

True

5) Which of the following statements are false?

- Neuroimaging experiments support shared semantic system for words and pictures with some areas responding more to words than pictures and vice versa.
- There is no top – down flow of information in the Logogen Model.
- Smallest meaningful unit of a language is called morpheme.
- None of them

No, the answer is incorrect.

Score: 0

Accepted Answers:

None of them

6) Which among the following is the first phase as per the COHORT model?

- Integration
- Selection
- Activation
- None of the above

No, the answer is incorrect.

Score: 0

Accepted Answers:

Activation

7) Which of the following is true?

- As per the Semantic Network Theory, word meaning is represented by a set of nodes and links between them.
- According to Hyperspace Analog to Language models, meaning of a word is determined by the words with which it appears.
- William Marslen – Wilson's shadowing task (1973) shows that lexical access is effortless, fast and automatic.
- All of the above

No, the answer is incorrect.

Score: 0

Accepted Answers:

All of the above

8) Gating is a task in which:

- Participants are required to respond to a target word as soon as possible after listening to some utterances.
- Participants are required to guess the word after listening to short snippets fo beginning of words.
- Participants are required to repeat a stream of words as quickly a s possible.
- None of them.

No, the answer is incorrect.

Score: 0

Accepted Answers:

Participants are required to guess the word after listening to short snippets fo beginning of words.

9) Orthographic code is an example of:

- word form representation
- word meaning representation
- both, word form and meaning representation.
- None of the above

No, the answer is incorrect.

Score: 0

Accepted Answers:

word form representation

10) Which of the following statements are false about SOA?

- SOA means Stimulus-onset asynchrony.
- If the SOA between ambiguous prime and target word is very small, all of the word's meaning will be primed.
- If the SOA between ambiguous prime and target word is approx. 250-500 ms, only context related meanings are primed.
- None of the above

No, the answer is incorrect.

Score: 0

Accepted Answers:

None of the above

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