Day 8: Morphology Ling 200: Introduction to Linguistic Thought

Jonathan North Washington

27 June 2007

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What is Morphology

- Definition
- Morphemes
- In brains, not dictionaries

Terminology

- Affixes
- Root vs. Stem
- Free vs. Bound
- Derivational vs. Inflectional
- Content vs. Function

3) Summary

Definition Morphemes In brains, not dictionaries

What is Morphology?

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Definition Morphemes In brains, not dictionaries

What is Morphology?

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Definition Morphemes In brains, not dictionaries

What is Morphology?

What is Morphology?

Definition (Morphology)

The study of words and the rules for word formation in a language.

Definition Morphemes In brains, not dictionaries

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Definition (Morphology)

The study of words and the rules for word formation in a language.

• What are words?

Definition Morphemes In brains, not dictionaries

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Definition (Morphology)

The study of words and the rules for word formation in a language.

- What are words?
- Properties of words:

Definition Morphemes In brains, not dictionaries

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Definition (Morphology)

The study of words and the rules for word formation in a language.

- What are words?
- Properties of words:
 - A meaningful unit of language that can stand on its own

Definition Morphemes In brains, not dictionaries

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- What are words?
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 - Stored in mental lexicon with information about its 'part of speech' (noun, verb, adj., etc.)

Definition Morphemes In brains, not dictionaries

What is Morphology?

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Definition (Morphology)

The study of words and the rules for word formation in a language.

- What are words?
- Properties of words:
 - A meaningful unit of language that can stand on its own
 - Stored in mental lexicon with information about its 'part of speech' (noun, verb, adj., etc.)
 - Composed of one or more morphemes

Definition Morphemes In brains, not dictionaries

What is Morphology? What are Morphemes?



Definition Morphemes In brains, not dictionaries

What is Morphology? What are Morphemes?

• What are morphemes?

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Definition Morphemes In brains, not dictionaries

What is Morphology? What are Morphemes?

What are morphemes?

Definition (Morpheme)

The smallest meaningful linguistic unit.

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Definition **Morphemes** In brains, not dictionaries

What is Morphology? What are Morphemes?

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Definition (Morpheme)

The smallest meaningful linguistic unit.

Example (Morphemes) Examples of morphemes:

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Definition **Morphemes** In brains, not dictionaries

What is Morphology? What are Morphemes?

What are morphemes?

Definition (Morpheme)

The smallest meaningful linguistic unit.

Example (Morphemes)

Examples of morphemes:

• apple, cat, help, salamander, fling, lens

Definition **Morphemes** In brains, not dictionaries

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Example (Morphemes)

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- -er, -ing, -s

Definition **Morphemes** In brains, not dictionaries

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Examples of morphemes:

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- pre-, un-

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Definition Morphemes In brains, not dictionaries

What is Morphology? One word—lots of morphemes

Definition Morphemes In brains, not dictionaries

What is Morphology? One word—lots of morphemes

One word can have lots of morphemes

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Definition Morphemes In brains, not dictionaries

What is Morphology? One word—lots of morphemes

- One word can have lots of morphemes
- E.g., oversimplifications

Definition Morphemes In brains, not dictionaries

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 - simple

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Definition Morphemes In brains, not dictionaries

What is Morphology? One word—lots of morphemes

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simple simple + ify

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Definition Morphemes In brains, not dictionaries

What is Morphology? One word—lots of morphemes

- One word can have lots of morphemes
- E.g., oversimplifications

simple + ify simple + ify + cation

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		simple					
		simple	+	ify			
		simple	+	ify	+	cation	
over	+	simple	+	ify	+	cation	

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over	+	simple	+	ify	+	cation	+	S

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Definition Morphemes In brains, not dictionaries

What is Morphology?

In brains, not dictionary

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Definition Morphemes In brains, not dictionaries

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In our brains, but not dictionaries:

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Definition Morphemes In brains, not dictionaries

What is Morphology? In brains, not dictionary

In our brains, but not dictionaries:

knowledge of the structure of words, and word categories

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Definition Morphemes In brains, not dictionaries

What is Morphology? In brains, not dictionary

- knowledge of the structure of words, and word categories
- undo, unfold, untie, ...

Definition Morphemes In brains, not dictionaries

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What is Morphology? In brains, not dictionary

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- knowledge of the structure of words, and word categories
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Why not?

Definition Morphemes In brains, not dictionaries

What is Morphology?

In brains, not dictionary

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Definition Morphemes In brains, not dictionaries

What is Morphology? In brains, not dictionary

Dictionaries do not list all possible words of a language

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What is Morphology? In brains, not dictionary

Dictionaries do not list all possible words of a language • new words

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Definition Morphemes In brains, not dictionaries

What is Morphology? In brains, not dictionary

- new words
 - · Google, meth, bedhead

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 - unfold, foldable, refold, unfoldable

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Morphological competence includes information about how morphemes work, how they can and can't fit together Affixes

Outline hat is Morphology Terminology Summary Root vs. Stem Free vs. Bound Derivational vs. Inflectional Content vs. Function

Terminology Affixes

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Affixes

Root vs. Stem Free vs. Bound Derivational vs. Inflectional Content vs. Function

Terminology Affixes

Affix

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Affixes Root vs. Stem Free vs. Bound Derivational vs. Inflectional Content vs. Function

Terminology Affixes

Affix

Definition (affix)

General term for morphemes attached to a root or stem

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Affixes Root vs. Stem Free vs. Bound Derivational vs. Inflectional Content vs. Function

Terminology Affixes

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Four types of affixes:

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Affixes Root vs. Stem Free vs. Bound Derivational vs. Inflectional Content vs. Function

Terminology Affixes

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Definition (affix)

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Four types of affixes:

prefix: beginning of word

Affixes Root vs. Stem Free vs. Bound Derivational vs. Inflectional Content vs. Function

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Affixes Root vs. Stem Free vs. Bound Derivational vs. Inflectional Content vs. Function

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- prefix: beginning of word (e.g., pre-)
- suffix: end of word

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Affixes Root vs. Stem Free vs. Bound Derivational vs. Inflectional Content vs. Function

Terminology Affixes

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General term for morphemes attached to a root or stem

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- suffix: end of word (-ness, -ly, -tion)

Affixes Root vs. Stem Free vs. Bound Derivational vs. Inflectional Content vs. Function

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Affixes Root vs. Stem Free vs. Bound Derivational vs. Inflectional Content vs. Function

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Affixes Root vs. Stem Free vs. Bound Derivational vs. Inflectional Content vs. Function

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Affixes Root vs. Stem Free vs. Bound Derivational vs. Inflectional Content vs. Function

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- circumfix: 'around' a word (at both ends)
 German [ge- -t]: spiel- 'play' → gespielt 'played'

Affixes **Root vs. Stem** Free vs. Bound Derivational vs. Inflectional Content vs. Function

Terminology Root vs. Stem

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Affixes **Root vs. Stem** Free vs. Bound Derivational vs. Inflectional Content vs. Function

Terminology Root vs. Stem

Rooi vs. Siem

Definition (root)

forms base for affixes to attach to; cannot be analyzed into smaller parts

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Affixes **Root vs. Stem** Free vs. Bound Derivational vs. Inflectional Content vs. Function

Terminology Root vs. Stem

Definition (root)

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Definition (stem)

formed when a root is combined with an affix (that other affixes can continue to be attached to)

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Affixes **Root vs. Stem** Free vs. Bound Derivational vs. Inflectional Content vs. Function

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Definition (stem)

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Example (root vs. stem)

root: taste

(verb)

Affixes **Root vs. Stem** Free vs. Bound Derivational vs. Inflectional Content vs. Function

Terminology Root vs. Stem

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Definition (stem)

formed when a root is combined with an affix (that other affixes can continue to be attached to)

Example (root vs. stem)

root: taste stem: dis + taste (verb) (prefix + verb)

Affixes **Root vs. Stem** Free vs. Bound Derivational vs. Inflectional Content vs. Function

Terminology Root vs. Stem

Definition (root)

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Definition (stem)

formed when a root is combined with an affix (that other affixes can continue to be attached to)

Example (root vs. stem)

root:	taste
stem:	dis + taste
stem:	dis + taste + fi

(verb) (prefix + verb) (prefix + verb + suffix)

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Affixes **Root vs. Stem** Free vs. Bound Derivational vs. Inflectional Content vs. Function

Terminology Root vs. Stem

Definition (root)

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Definition (stem)

formed when a root is combined with an affix (that other affixes can continue to be attached to)

ly

Example (root vs. stem)

root:	taste
stem:	dis + taste
stem:	dis + taste + ful
stem:	dis + taste + ful +
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(verb)
(prefix + verb)
(prefix + verb + suffix)
(prefix + verb + suffix + suffix)
Day 8: Morphology

Affixes Root vs. Stem Free vs. Bound Derivational vs. Inflectional Content vs. Function





Affixes Root vs. Stem Free vs. Bound Derivational vs. Inflectional Content vs. Function



Free morphemes:

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Affixes Root vs. Stem Free vs. Bound Derivational vs. Inflectional Content vs. Function



Free morphemes:

Definition (free morphemes)

can occur as an independent word all by themselves

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Affixes Root vs. Stem Free vs. Bound Derivational vs. Inflectional Content vs. Function



Free morphemes:

Definition (free morphemes)

can occur as an independent word all by themselves

Example simple words: cat, eat, green, pumpkin, the, is

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Affixes Root vs. Stem Free vs. Bound Derivational vs. Inflectional Content vs. Function





Affixes Root vs. Stem Free vs. Bound Derivational vs. Inflectional Content vs. Function



Bound morphemes:

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Affixes Root vs. Stem Free vs. Bound Derivational vs. Inflectional Content vs. Function



Bound morphemes:

Definition (free morphemes)

cannot stand alone, but must be attached to other morphemes

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Affixes Root vs. Stem Free vs. Bound Derivational vs. Inflectional Content vs. Function



Bound morphemes:

Definition (free morphemes)

cannot stand alone, but must be attached to other morphemes

Example

• Affixes: un-, pre-, dis-, -ly, -ness, -tion

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Affixes Root vs. Stem Free vs. Bound Derivational vs. Inflectional Content vs. Function



Bound morphemes:

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Example

- Affixes: un-, pre-, dis-, -ly, -ness, -tion
- Bound roots:

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Affixes Root vs. Stem Free vs. Bound Derivational vs. Inflectional Content vs. Function



Bound morphemes:

Definition (free morphemes)

cannot stand alone, but must be attached to other morphemes

Example

- Affixes: un-, pre-, dis-, -ly, -ness, -tion
- Bound roots:
 - -ceive (conceive, receive, deceive, perceive)

Affixes Root vs. Stem Free vs. Bound Derivational vs. Inflectional Content vs. Function



Bound morphemes:

Definition (free morphemes)

cannot stand alone, but must be attached to other morphemes

Example

- Affixes: un-, pre-, dis-, -ly, -ness, -tion
- Bound roots:
 - -ceive (conceive, receive, deceive, perceive)
 - -sist (consist, resist, desist, persist)

Affixes Root vs. Stem Free vs. Bound Derivational vs. Inflectional Content vs. Function





Affixes Root vs. Stem Free vs. Bound Derivational vs. Inflectional Content vs. Function

Terminology Free vs. Bound

I know a little man both ept and ert. An intro-? extro-? No, he's just a vert. Sheveled and couth and kempt, pecunious, ane, His image trudes upon the ceptive brain.

When life turns sipid and the mind is traught, The spirit soars as I would sist it ought. Chalantly then, like any gainly goof, My digent self is sertive, choate, loof.

-attributed to David McCord (b. 1897)

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Affixes Root vs. Stem Free vs. Bound Derivational vs. Inflectional Content vs. Function

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Terminology

Free vs. Bound Derivational vs. Inflectional





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Affixes Root vs. Stem Free vs. Bound Derivational vs. Inflectional Content vs. Function



Derivational affixes:

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Affixes Root vs. Stem Free vs. Bound Derivational vs. Inflectional Content vs. Function

Terminology Derivational vs. Inflectional

Derivational affixes:

Definition (derivational affixes)

when added to a word, make or derive a new word with a new meaning

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Affixes Root vs. Stem Free vs. Bound Derivational vs. Inflectional Content vs. Function

Terminology Derivational vs. Inflectional

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• ...sometimes changing the part of speech of the word

Affixes Root vs. Stem Free vs. Bound Derivational vs. Inflectional Content vs. Function

Terminology Derivational vs. Inflectional

Derivational affixes:

Definition (derivational affixes)

- ...sometimes changing the part of speech of the word
 - use (v.) + able \rightarrow usable (adj.)

Affixes Root vs. Stem Free vs. Bound Derivational vs. Inflectional Content vs. Function

Terminology Derivational vs. Inflectional

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Affixes Root vs. Stem Free vs. Bound Derivational vs. Inflectional Content vs. Function

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- ...sometimes not

Affixes Root vs. Stem Free vs. Bound Derivational vs. Inflectional Content vs. Function

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- ...sometimes not
 - un + happy (adj.) \rightarrow unhappy (adj.)
 - re + produce (v.) \rightarrow reproduce (v.)

Terminology

Free vs. Bound Derivational vs. Inflectional





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Affixes Root vs. Stem Free vs. Bound Derivational vs. Inflectional Content vs. Function



Inflectional affixes:

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Terminology Derivational vs. Inflectional

Inflectional affixes:

Definition (inflectional affixes)

indicate grammatical roles; do not change basic meaning of the word

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Terminology Derivational vs. Inflectional

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Definition (inflectional affixes)

indicate grammatical roles; do not change basic meaning of the word

3rd per. sg.: past tense: progressive: past participle: plural: possessive: comparative: superlative: He walks.

-ed He walked.

-ing He is walking.

-en He has eaten.

I have two cats.

-'s cat's eye

-er She is older.

-est She is oldest.

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-S

-S

Affixes Root vs. Stem Free vs. Bound Derivational vs. Inflectional **Content vs. Function**





Affixes Root vs. Stem Free vs. Bound Derivational vs. Inflectional **Content vs. Function**



Function morphemes:

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Affixes Root vs. Stem Free vs. Bound Derivational vs. Inflectional **Content vs. Function**



Function morphemes:

Definition

Provide information about grammatical function by relating words of a sentence

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Affixes Root vs. Stem Free vs. Bound Derivational vs. Inflectional **Content vs. Function**



Function morphemes:

Definition

Provide information about grammatical function by relating words of a sentence

prepositions:	in, of, on
articles:	a, an, the
pronouns:	l, you, he
auxiliaries:	am, is, are
inflectional affixes:	-s, -ing, -ed



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'sadness'

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'sadness'

How many morphemes?

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'sadness'

- How many morphemes?
 - 2 (sad + ness)

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'sadness'

- How many morphemes?
 - 2 (sad + ness)
- Free or bound?

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- How many morphemes?
 - 2 (sad + ness)
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 - 'sad' is free, '-ness' is bound



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 - 2 (sad + ness)
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- Derivational or inflectional affix?



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 - 2 (sad + ness)
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 - '-ness' is a derivational suffix



- How many morphemes?
 - 2 (sad + ness)
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- Content or function morphemes?



- How many morphemes?
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 - '-ness' is a derivational suffix
- Content or function morphemes?
 - both are content morphemes



- How many morphemes?
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- Content or function morphemes?
 - both are content morphemes