

→ Semantics: Relation of the words.

→ Lexical semantics:

↳ lexicon: Unit of a word.

→ lexeme: orthographic & phonological form

Eg: verge¹: noun → on the edge or border.

→ I was on the verge of tears.

verge²: noun ~ Wand carried by bishop as an emblem

→ Virga 'rod' → Latin

verge³: verb ~ Directional inclination.

→ vergere ~ 'to bend' → Latin.

→ Meaning Related Facts: (American Heritage Dict
(Morris ~ 1985))

-s right: adj → located near the right hand.

→ left: adj → located near to the opposite

-> left : adj -> located near to the opposite side to the right.

-> The entries are descriptive of lexemes in terms of other lexemes.

-> Alliteration.

-> Relations b/w word meanings:

-> Homonymy	-> Antonymy	-> Meronymy.
-> Polysemy	-> Hypernymy	
-> Synonymy	-> Hyponymy	

-> Homonymy:

↳ Bat (Wooden Stick) vs Bat (Flying mammal)

↳ Bank (Financial Institution) vs Bank (Riverside)

-> Homophones & Homographs:

-> Homophones:

-> Homophones:

↳ write vs right

↳ piece vs peace

↳ there vs their

-> Homographs:

↳ gross

-> Problems in applications:

-> Text-to-Speech:

-> Information Retrieval:

-> Speech Recognition: to, too, two

-> Polysemy:

↳ The bank was constructed in 1875 out of local red brick.

↳ I withdrew the money from the bank.

-> Are those making sense?

- > Are those making sense!
- > Relationships that are systematic:

Author (Mario Puzo wrote Godfather) \leftrightarrow ^{Wah} Author (I really like Godfather)

(The chicken was domesticated in Asia) Animal

(The chicken was overcooked) Meat

(Plums have beautiful blossoms) Tree

(I ate a preserved plum yesterday) Fruit

-> Synonymy:

↳ couch / sofa

↳ big / large

↳ water / H₂O

-> How big is that plane?

-> Would I be flying in a large plane?

