Immediate constituent analysis * Divide a sentence into its constituent elements · cut into two parts · then wt those parts into two · continue the segmentation * Sometimes binary somentation may not be possible, so more than two divisons may have to be made The naughty kid pulls my show? * Expansion.
A set of elements is considered to be an expansion of another it it can be substituted for it '
- "The overconfident dirty-looking naughty kid" or be substituted with 'a kid' - Akid, A naughte hid A dirty-looking raughty kid An overconfident dirty-looking naughty kid * Non-binary IC analysis example & Ambiguity resolution the old man and woman the old man and woman

Egyptian cotton shirt shirt is Egyptian

Egyptian cotton shirt cotton is Egyptian

· IC analysis is just that — on analysis of a sentence. It does not say what other passible sentences can be formed in a language. in a language

only generative models can do so, which is associated with transformational generative grammar. More on this

Richer information than IC analysis can be provided by Phrase Structure and PS Rules.

Phrase structure & Phrase structure rules

PS: The way parts of sentences/phrases are organised and related to one another

· a concept closely related to Chomsky's Transformational Generative Grammor

PS rules: describe the syntax of a language, how the constituent parts of the phrases are organized

syntactic categories, including lexical and phrosal categories

e.g. $S \rightarrow NP VP$ i.e. A sentence consists of a noun phrase and a vert phrase.

NP -> (Det) N, $N_1 \rightarrow (AP) N_1 (PP)$

where the constituents in round brackets are optional.

generative grammour - Unomsky · a system of rules that in some explicit and well-defined way assigns structural descriptions to sentences" · 'an algorithm for specifying, or generating, all and only the grammatical sentences in a language" Not all models of grammar are generative. Some produce language by repeating memorized bragments or by probabilisthe modeling. aims to explain the cognitive basis of language by formulating and testing explicit models of humans' subconscious grammatical knowledge · studies larguage as a part of cignitive science · studies the mental processes that allows humans to use descriptive more than prescriptive · distinguishes competence and performance · Language being innate and universal (vs. blank slade) (see Universal Grammar) · Different versions - Transformational Generalize Grammar, Government and Linding theory, Minimalist program, etc. Universal Grammar · language as an organ; pre-programmed for language · humans' innate capacity to learn language - not a language but any language under specific contex or conditions · 'poverty of stimulus"

and insufficient

and insufficient

and insufficient

to human child is presented with limited, data but can

deduce from it a linguistic system

critical period for the development of the organ However all these claims have been questions, not entirely refuted. · FoxP2 gene, claimed to be responsible for encoding the ability to use language isn't actually always.