

cognitive grammars

What is a grammar?

<*grammatiké téchne*, "art of writing«

Pāṇini (prima III sec. a. C.)

Ars grammatica (Τέχνη Γραμματική) Dionisio Trace (II
sec. a.C.)

Grammar

Definition: The set of the structural rules governing the composition of clauses, phrases and words. In any given natural language. A model and a representation of the languages (not a set of norms and prescriptions)

- **Typologies:** Traditional Grammar (Port Royal) Transformational Grammar (Chomsky) Systemic Functional Grammar (Halliday)
- What is the Cognitive Grammar>>> The object of the research is the construction

Phenomenon of Grammaticalization

Negation

- The origin of *Mica* (It. Sett.) and the French *mie*, is the Latin *MĪCA(M) ('crumb, briciola'), for ex: *non mangio una sola briciola*.
- *Punto* (PŬNCTU(M) 'point') is a very small amount
- The origin of the French *rien* is the latin RĒM 'thing, cosa', for ex: *non vedo una sola cosa*
- In the French expression *je ne sais pas* 'I do not know', *pas* dal latino PASSU(S) 'passo', is linked to expressions as this: *non muovo un solo passo*.

Verbal temp: future

- I'am going to go to cinema
- Lat. Volg. Manducare habeo 'eat+ I have' >> Ital. mangerò 'I will eat'

Phenomenon of Lexicalization

- The words with the suffix -ism, Ital. -ismo, French -isme XX° century;
- Italian ticket : gratta e vinci; Engl. *Scratch'n'Win*
- Compounding: Lat. repubblica (< res+publica); pater familias; Engl. mother in law; Ital. Il bello della vita è poter scegliere ; Vedere la casa mi tranquillizza (transcategorizations)

The construction involves the semantic level and the pragmatic level

Example of CxG

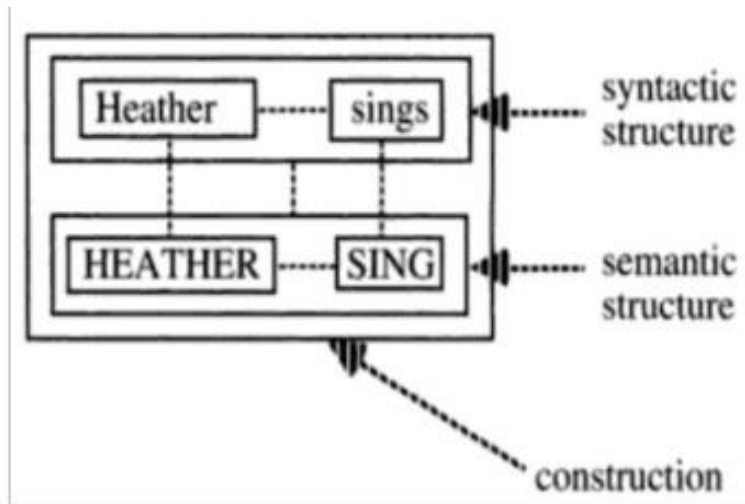
Semantics: relational predicate involving a singer

Syntactics: predicate requires arguments and ``Heather" is the subject

Generative Grammar

[[Heather]_{NP} [sings]_{VP}]_S

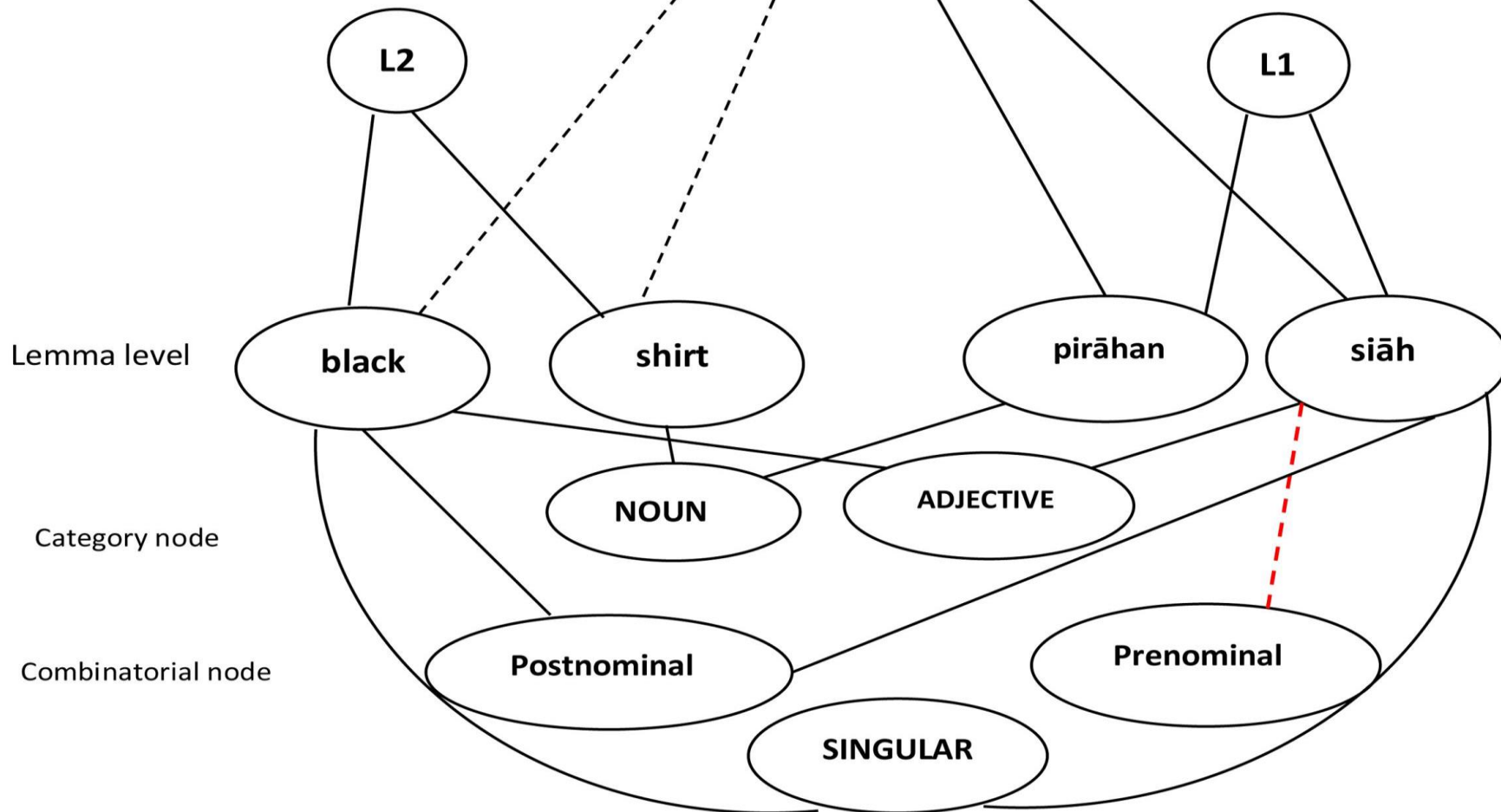
Construction Grammar



Conceptual level



English/Persian for the construction *black shirt*



Grammar and Word > symbols of Cognitive grammar >
How do we conceptualize the garments?

Figura 2. Diverse costruzioni del concetto “ferro di cavallo”



- Mapping and Ontologies and Categories >>construction

Construction is a grammatical *pattern* that can be analyzed as a symbolic unit (Langacker 199: 58). Description morphological and syntactic

- **Polirematiche** CONSTRUCTIONS (significato costruzionale, forza pragmatica e coesiva) COLLOCAZIONI (inclusione della testa e blocco della sinonimia)
- **Monorematiche**

- Ground/ Profiling: scarpa/ferro/zoccolo

Pustejovsky 1995

- a. Lexical Typing Structure: giving an explicit type for a word positioned within a type system for the language;
- b. Argument Structure: specifying the number and nature of the arguments to a predicate;
- c. Event Structure: defining the event type of the expression and any subeventual structure it may have; with subevents;
- d. Qualia Structure: a structural differentiation of the predicative force for a lexical item

QUALIA

- *formal*: the basic category of which distinguishes the meaning of a word within a larger domain;
- *constitutive*: the relation between an object and its constituent parts;
- *telic*: the purpose or function of the object, if there is one;
- *agentive*: the factors involved in the object's origins or ``coming into being.

Space grammar: e.g. Italian
sottana/gonna;
indossare, vestire, stola

Prepositional Constructions : **[N1 (Vest) + a/à N2]**

collo elisabettiano



collo **a** lattuga



piumino



giacca a
vento

Other Examples

- *Scialle **all'**uncinetto, ricamo al tombolo* [strumento];
- *Collo **alla** marinara* [maniera di agente (N comune)];
- *Camicia **alla** Robespierre* [maniera di agente (N proprio)];
- *Collo **a lattuga**, Gonna a corona* [maniera/forma di qc (concreto, =fiore)];
- *Giacca **a vento*** [funzione e direzionalità]

Direction indicators : Multilingual Spatial Corpus

- Verbal Frases : VE 172 Giacchino. Segue la linea del corpo; Scivola dolcemente sul corpo 162 La vegetazione tropicale esplode; 198 Maniche scese ; EV Skirt goes around ; FVManche s'arrete; IVManica si arresta
- SYNAESTESIC: VE: Frizzanti pois (68) Tinte calde 166 Morbide fantasie (168) ; VE 172 Fluidità del tessuto 156 Modello fluido
- Frases Noun +Adjective . : Gonna svasata/ jupe évasée/ flaring- skirt/ ted. Glokenrock 'campana'

Image Schema:Path vs CP
espansione

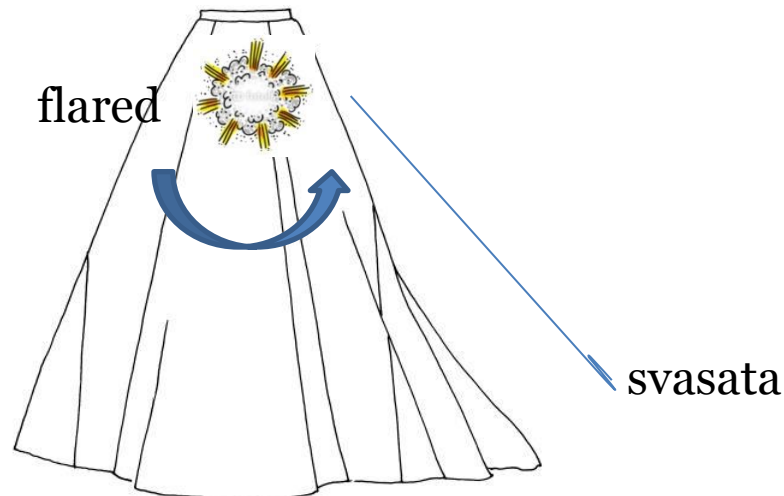


Image schemas

- “An image schema is a **recurring dynamic pattern** of our **perceptual interactions and motor programs** that gives coherence and structure to our experience [...] “Experience” is to be understood in a very rich way, including basic perceptual, motor-program, emotional, historical, social and linguistic dimensions”. (Johnson 1987: xiv-xvi).

Spatial Clothing Corpus

-

IM. SCHEMA

PC

C-P

P; C-C

- **LINGUA**

- **ITALIANO**

cavigliera

sottoveste

coprispalle

- **INGLESE** leggings

overall

wrap-over cardigan

- **GRECO A.**

periknumís

upodútes

períbelma

‘ginocchiera’

‘biancheria’

‘abito’

lit. intorno ginocchio

lit. sotto-vesti

lit. intorno copro

- **LATINO** ventrālis

‘cintura’ < ventĕr

sublīgācŭlum

‘specie di slip’

rĕdīmīcŭlum

‘fascia’

lit.sotto laccio

< rĕdīmīo ‘surround’

- **FRANCESE**

bustier

sous-vêtements

soutien-gorge

-

‘biancheria’

reggiseno

- **SPAGNOLO**

puño

sobretudo cubrecorsé

‘polsino’

‘soprabito’

lit. cover-girdle

lit. pugno

lit.sopra tutto

- **TEDESCO**

kopfbedeckung

unterrock

büstenhalter

-

‘cappello’

sottogonna

reggiseno

-

lit. copricapo

lit. tenere seno t

- **TZOTZIL** nuk’ camisa

ti’ pok’

pix jolol

‘colletto’

‘sciarpa’

‘cappello’

lit. collo-camicia

lit.bocca vestito

lit. copri-capo

Profiling of clothing > word design



Lexicon and semantic relations

Homonymy: a homonym is a name for a taxon that is identical in spelling to another such name, that belongs to a different taxon (riso 'pianta' < gr. òryza; atto < lat. ridere)

Polysemy: capacity of a word or a sentence to have multiple meanings (operazione, finestra, navigare, processo ecc.)

Semantic Relations between lexems

Sinonimy: 2 words with the same meaning and different sounds (non sposato/scapolo; giacca a vento/piumino; calmante/sedativo; geosinonimi>> lavabo/lavandino)

Hyponymy/co-hyponymies: inclusion of a class of word in a category >>> mela/frutto; mela is coiponim pera: they belong at the same class

Hyperonymy: the opposite relationship >>> from the category to the class >

frutto/mela

Semantic Solidarity : compresence>> e.g. miagolare/gatto

Esercizio: Gossip e analisi del discorso: applicare un modello di analisi a scelta fra quelli discussi nel corso (retorico, semiotico, ecc.) per esaminare il rapporto immagini/parole del seguente servizio



– Scappatella – Avventura – Cotta – Love Story – Flirt

- Visti in flagrante,
- pizzicati,
- coppia chiacchierata
- crisi di coppia,
- periodo nero,
- torna il sereno...