Cognitive Structure Analysis

Finding the underlying-structure of meaning in everyday life/discourse

Culture is...

- · Customs, beliefs, institutions, artifacts...
- What one would have to know in order to behave appropriately in any role recognized in a given society.

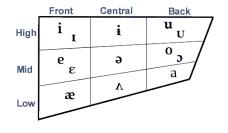
Investigating Cultural Knowledge

- · Cultural knowledge is organized and systematic
- What form do systems of cultural knowledge have?
- Can the study of culture be modeled on the study of language (an important cultural system)?

Studying sounds of language

- What are the distinctive features that distinguish the phonemes of a language one from the other?
- · Phonetic and phonemic distinctions

Phonetic vowel paradigm



Narrowing the focus of cognitive anthropology

- · How is meaning made in everyday life?
- Much (perhaps most) of cultural knowledge is encoded in and transmitted via language.
- How is meaning made in everyday language?
- · Most of language is about things.
- · How is meaning organized in groups of nouns?
- What are the emic distinctions that matter in cultural systems?
- Accounting for observed complexity in terms of simpler underlying structure.

English Personal Pronouns

Person\Number	Singular	Plural	
First	I	we	
Second	you	you	
Third	he/she/it	thev	

Person\Number	Singular	Dual		Plural		
		incl	excl	incl	excl	
First	yegu	yakida	yakama	yakidase	yakamesa	
Second	yokwa	yokwami				
Third	ma <pc>na</pc>	ma <pc>sina</pc>				

Meta-linguistic Vocabulary Example Term

- Lexeme
- Domain
- Denotata
- Attributes
- Semantic feature
- Dimension
- Kin term (Mother)
- Kinship
- Kin type (e.g., MoBr)
- · Female, nurturing
- Female
- Sex

Chiricahua Apache Warriors



Chiricahua Apache Kinterms

Key for Chiricahua kin terms

A cìnálé E cìtàà

F cìdèèdèè' K cìkìs B cìt'cìné H cìmáá' I cì¥ó¥é L cílà'

C cìtsóyé M cì¥è'

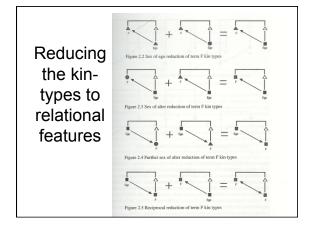
D cìtcó N cìyát'cé'

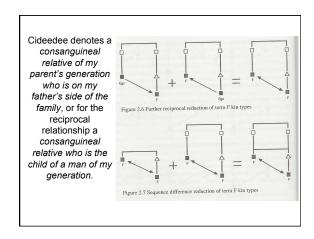
"c" is pronounced like the "sh" in "shell" represents a low tone represents a high tone

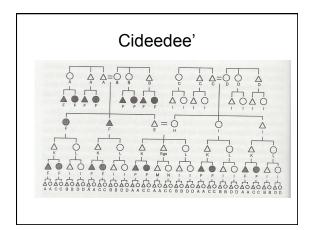
¥ is a voiced velar fricative

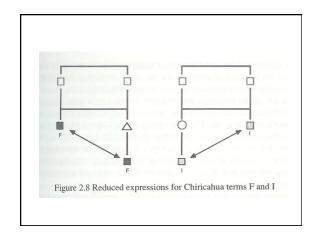
Figure 2.1 Chiricahua kinship terms

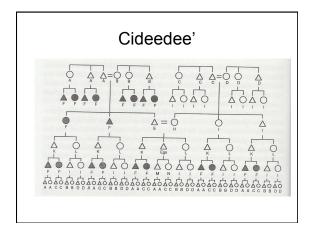
Cideedee'

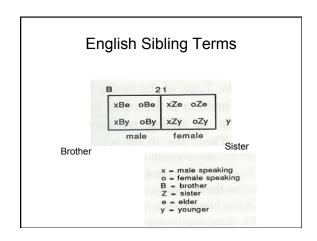


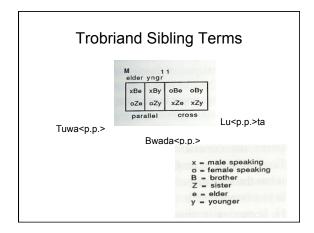


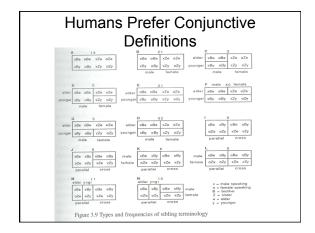


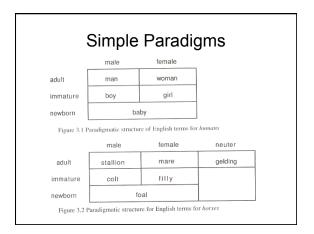


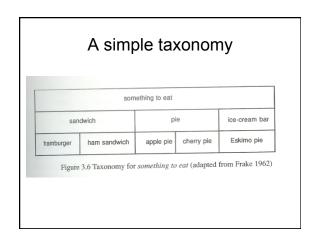


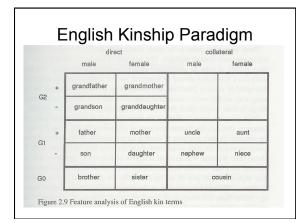






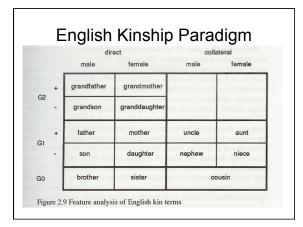






Classical Feature model method

- · Collecting the terms that matter in a domain
- Denotational meaning
- what it takes to distinguish each denoted thing from other denoted things (in a contrast set)
- Connotational meaning ignore this
 - whatever else is implied
- Distinctive features
 - necessary and sufficient conditions for category membership
- · Componential (feature) analysis
 - finding the components of meaning that matter in a domain



Investigating the organization of meaning

- · features of meaning
 - pairs of items that share distinctive features will be judged to be more similar than pairs of items that do not share features
- · similarity judgments
 - pairs of items that are judged to be similar share distinctive features (even if we do not know what those features are).

Eliciting similarity judgments

- · Free association
- · Pile sorting
- Triads
- · Latent semantic indexing
- Organizing opportunities for co-occurrence
 - Co-occurrence -> similarity -> shared features

Which is most different?

Father Mother Son

Which is most different?

Father Mother Daughter

Which is most different?

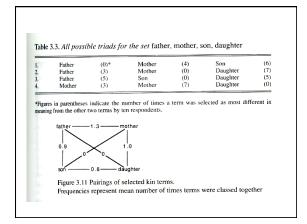
Father Son Daughter

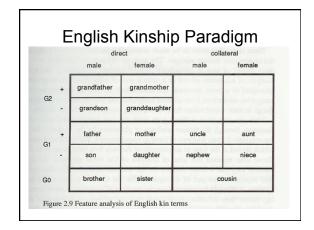
Which is most different?

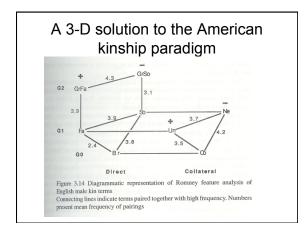
Mother Son Daughter

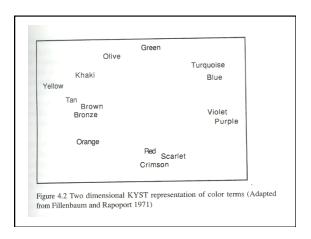
Which is most different?

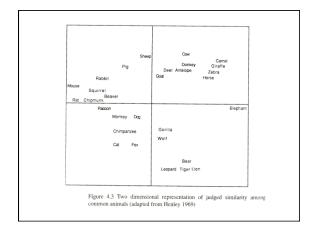
Father Mother Son
Father Mother Daughter
Father Son Daughter
Mother Son Daughter

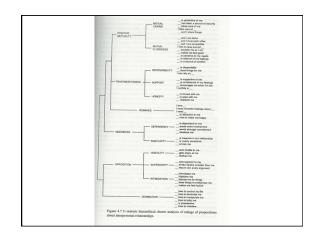


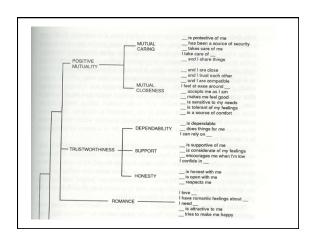


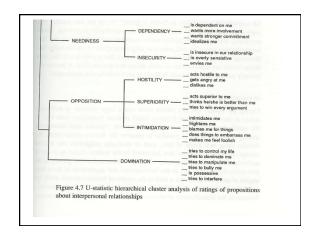










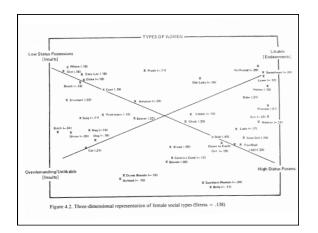


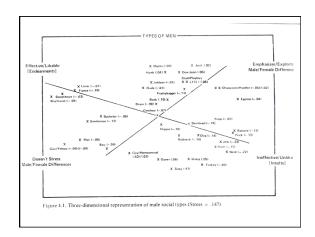
Holland and Skinner Methods

- Interviews (42) to elicit gender types and descriptions of the types
- Sort cards bearing the type names into piles, and describe the similarities in the piles.
 - Piles -> similarity metric -> MDS
 - Identify themes or dimensions
- · Participant observation and more interviews
 - talking diary
 - describe a relationship

Holland and Skinner Questions

- What do our informants assume about ordinary relationships between males and females?
- What are the taken for granted worlds in which these male and female types interact?





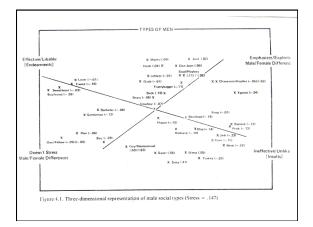
Question

What did Holland and Skinner get out of their analysis of interview data that they could not get out of cognitive structure analysis?

Why is the paper titled "Prestige and Intimacy"?

The women's model

- Man shows affection and attention to the woman's needs
- · Man is sensitive to woman's response
- · And man is attractive
- Woman returns affection and permits intimacy to develop
- "Treat me right, and we'll see."



The men's model (as seen by the women)

- My woman is hot!
- · Let's move this intimacy thing along.
- Give me some space.
- "Hey bro, check out how good I look with her."