

Semantic network analysis of bilingual students Arabic/French and monolingual French students

ABSTRACT

The study of semantic networks has already started with Hendrix (1979) and Fahlman (1979) in their respective studies about partitioned networks and propagation markers networks. These studies are directly related to the field of artificial intelligence for representing and storing in the memory. The psychologists (Collins and Quillian, 1969, 1970) who proposed a hierarchical structure for the study of memorization. This model has proven ordered hierarchy in their study about the response time to the sentences: “A canary is it an animal? “A canary is it a bird? “ In fact, the study of semantic networks could help us understand how semantic networks are organized in the mental lexicon? What are the types of relations that these words among themselves in the mental lexicon? To answer these questions, we want to make a comparison between the semantic networks of Algerian students bilingual Arabic / French in Algeria and French students in France to apply the technique of free association.

Keyword: Free associations; Mental lexical; Inclusion relations; Endogenous relations