Network Science

Natworks Based on Co-Occurrences Part B

Leb 05

Lecture 13

Today's topics

- . Case Study: Cultural Domain Analysis
- · Case Study: from Products
 to Projects

Sementic and Product Hetworks

items being in the seme place et the seme time here edges are implicit: you have to deduce, extrect, colculate them from other

two examples:

Sementic networks

product networks

date

Sementic Networks

nodes ere terms: words, word stems, word groups or Concepts links connect terms that: i) ere commonly used together

("complex" - "networks") ii) describe the same property

("red" - "blue") iii) ere sementicelly compereble (synonyms: "program"-"epp" hypernyms: pet " - "cod" outonyms: "krese"-"restore")

Sementic Networks are used by knowledge specialists for Sementic domain analysis

Go 70 note 500 K:

"11_ Cultural Domain Analysis"

Product Networks

Retail Metworks:

nocles ere items purchesed by individuels links represent co-occurrence of items in customers

in their "shopping baskets"

items ere complements

weights: fraquency of co-purchesing

Go to notebook:

"12 - Products"

