AI FOR ECO 18 CH 36092 Solid Nawaz class tast 9(1) Word Sense Disambiguation is an -5 important method of NLP. Meaning of award can be determined by this method. NLP 1 systems are complex, so they face stifficulties in identifying the words properly and defermining the specific usage of a word in a pasticular sentence. Word Sense Disambiguation solves the meaning of the same word used in different scenerios. The lesk algorithm is based on the idea that words in a given section of the text will have a similar meaning. The correct meaning of each word content is found by getting the sense collich overlaps or matches the most among the given context. for example, consider the à sentence!.

(1) Go straight and take a right turn. Here we are trying to find the sense of the word "right".

According to leak Algo, we take all of its confert words and find the indersection of target and word meaning with meaning of each conferm word

sentence is alitection.

Sentiment analysis may be don Senti

Sentiment analysis using Sentitud Net. Anchor words are words that are definetely Ex! - good-bad, joyful-cursed. W-8 arbifary word. there are some neutral words that are condition dependent we could use it in the or in the sentence both. moteral information. pol(P,w) = 1 P-stre anchor pol(P) prob(w) Prob(P) prob(w)

2 f will imply independaçe Across a very large no I documents, the prob that & Low occur togethere divided by then individual probability P(N) p(w) -> worning both probabilit (21) we will get a sense of whather this words is co-occur with the or -re words or newfal. this is how, we can estimate sentiment

of diff words.

3 (c)

3

1

jo first of all, we have to check the polarity of each senferce. It will as conclude that whether the gren feed tack is tre or tre in sense.

A single review may has more than one sentiment es me & aspect.

ii) After the polarity, we train our classifier for expanded sets using sentimorant.

(") ne will decide a particular le value wi based on K-mean classifin.

iv) we pain desterent classifiers of difftypes and dell k-values for the men dato, w

based on eq ali-c(se,sa) = sf(xa).cif(ja)

o otherwise

vertices (v. v. - s, t)

Add edge (s, vi) each withweight ind (N)

11 ( (1; /k) 11 1 akt.c (1, /h)

then we use the k-means clustering algo on planify, these words combe linked wring isopolarity