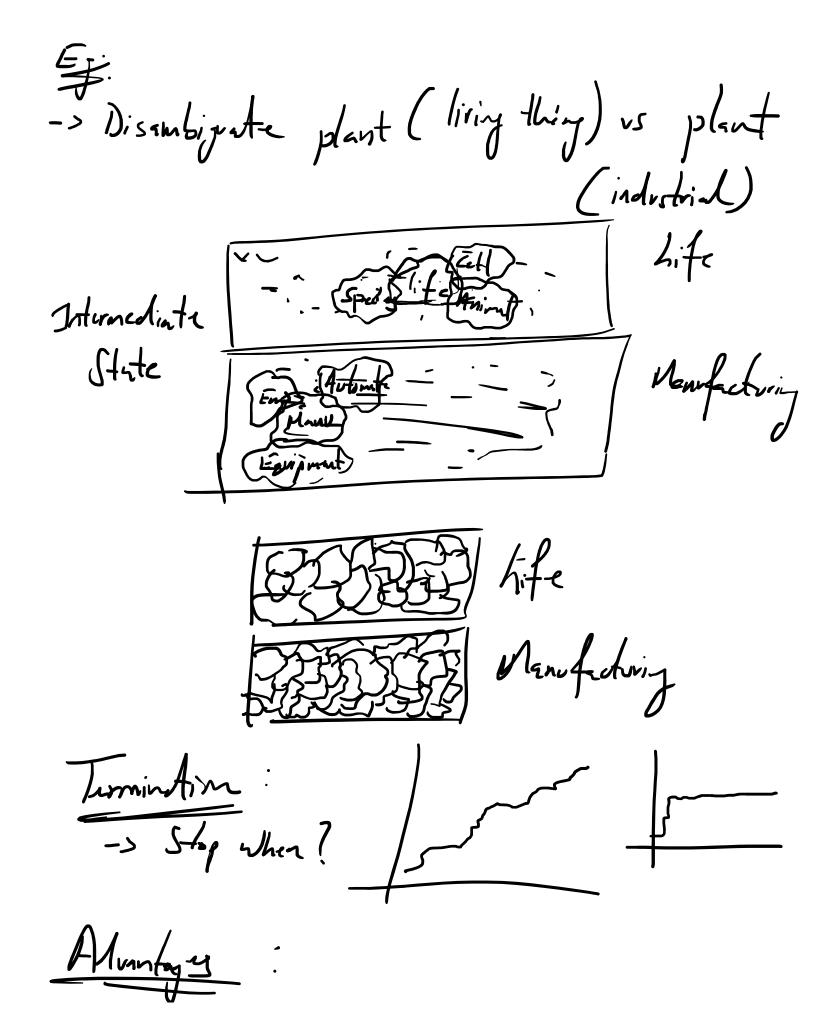
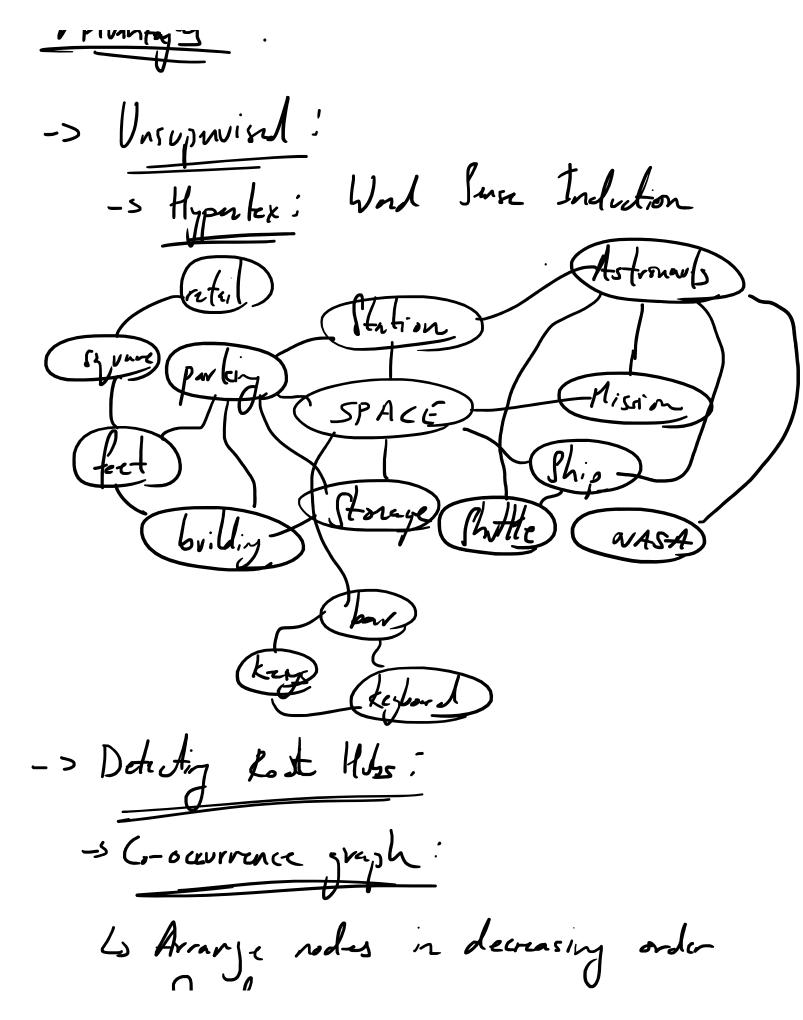
Mod 4 - CO4 - 2024-09-03 - Apply Semantic Analysis

02 Sontomber 2024 - 00-22
-> Supervised Learning for WSD.
-> Supervised Learning for WSD. Lo Parametric Model (Naive Bayes)
é = agnax P(s/f) s ES
. $lack$
$= \underset{s \in S}{\operatorname{argmax}} P(f(s) \cdot f(s))$
$s \in S$ $P(f)$
= arguest $P(s) \cdot P(4 s)$ $s \in S$
P(s) = P(t) = P(t)
= anymax $P(s) \frac{n}{ii} P(f; ls)$ $s \in S$
SES Context
2 Context
-> Collocation Vector (Set of words account it
-s Setting parameters of Naive Bayes using MLE from training data:

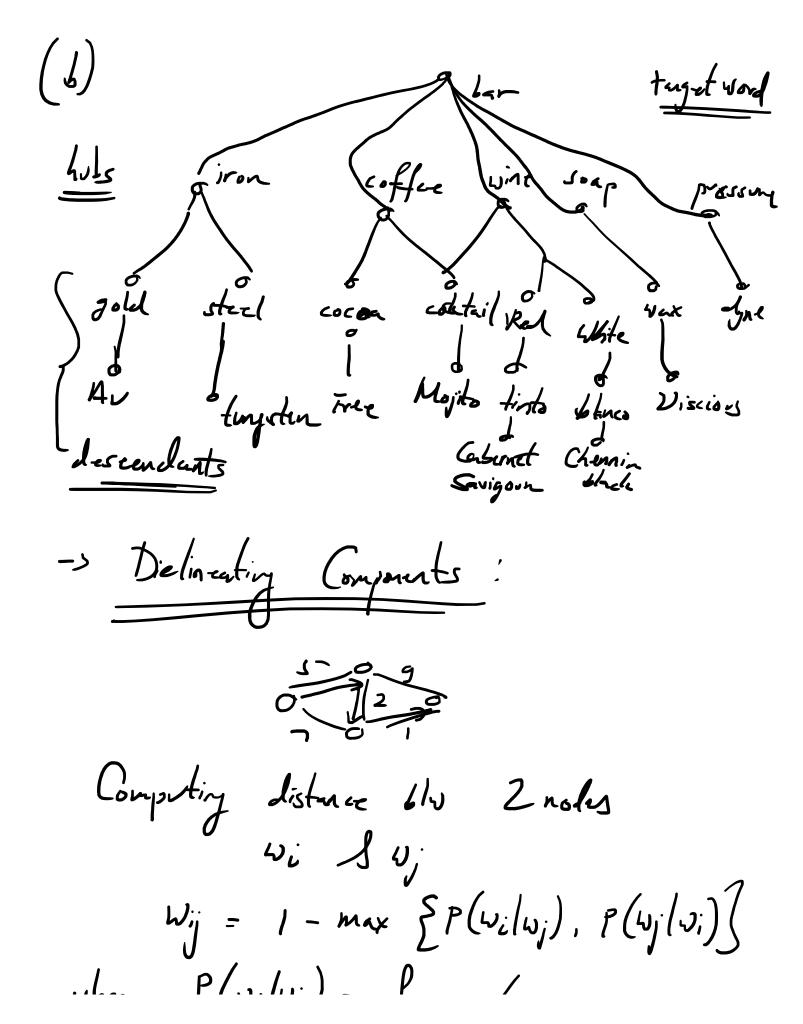
fish in ±k words FISH Switzer in the words stripped bass Guitar in ± k words
play are Music Phy -oblogn) -> Minimally Survived USD ~ Janousky. Lo Bootstrapping or Co-training.

Random Forest La Start with small send, decision list. Lo Ver draision list to label corpus. Lo Retain confident labels as annotated data la lean neu decision list. => Herristics (Drained from observations) 6 one souse pu discourse Lo Done sense per collocation.





as Arrange redes in accreasing order
Legrere.
Lo Sdeet the rodes for graph which he
the highest degree. This node will be
Les Select the rodes four graph which he he highest degree. This node will be the hub of the first high density component.
component.
45 Detete the heb Sall its neighbors from graph.
Eraph.
Lo Rejeat steps -6 détect libs à sther high degree comparents.
high degree comparents.
(a) Soap
ber Olyne
goldo iron
psteel coffee of 111
okysten (
o Colo a



where P(v;/vj) = frezis/frezj -s Disambigation: Minimum Granning Tree teget word. -> het wi has k hols in ite MST. -> A some rector s is associated with each wj & W(jxi), such that Sx represents the artibution of the kth hub as:

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