



Georgetown
University

ONLY-580

Natural Language Processing

Distributional Semantics: Part I

Fall 2021
Lecture 04
Instructor: Chris Larson

Sep 16, 2021

Lesson plan

- Lecture (90 min):
 - Pointwise mutual information
 - TF-IDF
 - Low-rank matrix factorization
 - Similarity measures
 - Probabilistic LSA
 - Non-negative matrix factorization
 - Latent Dirichlet Allocation
- Lab (60 min):
 - Extracting topics from news feeds