



CoCo Seminar Series

Fall 2022

Domain-Based Latent Personal Analysis (LPA)

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Wednesday October 12, 2022
12:00-1:00pm EDT
Hybrid (EB-T1 & Zoom; meeting link available
on <http://coco.binghamton.edu/>)



We present domain-based latent personal analysis (LPA) for finding domain-based attributes for the entities in it, a measure of their distance from the domain, and their signature, which identifies the most significant ways in which they differ from the domain. This method identifies for each entity the elements whose Shannon information differs most from that of their counterparts in the domain. We then demonstrate LPA uses in a variety of areas, including impersonation detection in social media, the spectral spread of sub repertoires of clonal B- cell populations within a person, and digital humanities.

Dr. Osnat (Ossi) Mokryn is a senior lecturer in the Department of Information Systems at the University of Haifa, Israel, where she leads the Content and Social Networks Group (SCAN). Ossi is interested in identifying governing principles for understanding highly complex systems using real-world data. Recently, her research has focused on the temporal behavior of complex systems and devising methods for extracting knowledge from unstructured data. She is currently a visiting scholar at Harvard John A. Paulson School of Engineering and Applied Sciences (SEAS). <http://scan.haifa.ac.il>

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