

UNIVERSITÁ DEL PIEMONTE ORIENTALE DIPARTIMENTO DI SCIENZE E INNOVAZIONE TECNOLOGICA

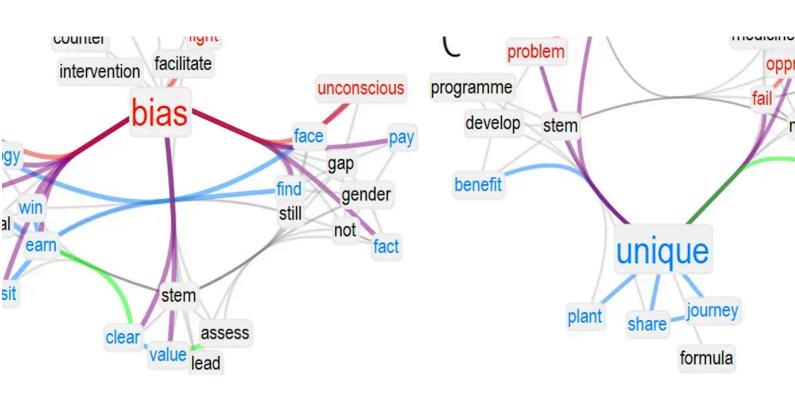
EVENTI DiSIT

Seminario | Seminar 14-10-2024 10:00-11:00 Sala Seminari Informatica-C192

Interpretable natural language processing with cognitive networks: From Reddit posts to suicide notes

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Texts convey knowledge in terms of words, symbols and relationships between them. Whereas word embeddings have revilutionised the field of Natural Language Processing, they pose some challenges for interpretation. This seminar introduces and reviews a different approach powered by cognitive networks, i.e. models of associative knowledge conveyed also through texts. Relying on powerful psychological and cognitive theories like frame semantics or the deep lexical hypothesis, cognitive networks can extract interpretable highlights across a variety of texts. The seminar will review pros and limitations of this approach in recent works about online perceptions of the gender gap, rape narratives on Reddit, emotional interviews of teenagers with clinical disorders and genuine suicide notes. Emphasis will be given to a complex-system perspective of this approach and its human-in-the-loop repercussions in artificial intelligence.

EVENTO APERTO A:

Docenti | Teachers, Borsisti | Research Fellows, Assegnisti | Postdoctoral researchers, Dottorandi | PhD students, Studenti | Students SEMINARIO IN LINGUA: English

