

Responsible AI Systems & Experiences (RAISE) presents:

Mona Diab: Towards Trustworthy Evaluation Frameworks in Natural Language Generation. Friday Nov 12, 2021, 9-10am PST

Join: <https://washington.zoom.us/j/94636255672>



In this talk, I propose a framework for trustworthy evaluations for NLP in general with an application to natural language generation in particular. I posit that trustworthiness emerges from *both* trusting the process by which we build technologies as well as trusting the end product. I delve into the dimensions of such frameworks and the impact of devising practical metrics that correlate well with users' perception of performance. I will speak about two evaluation metrics that optimize for faithfulness in abstractive summarization and for human evaluation for machine translation.

Mona Diab is a Research Scientist with Facebook AI Research and she is also a full Professor of CS at the George Washington University where she directs the CARE4Lang NLP Lab. Before joining FB, she led the Lex Conversational AI project within Amazon AWS AI. Her current focus is on Responsible AI and how to operationalize it for NLP technologies. Her interests span building robust technologies for low resource scenarios with a special interest in Arabic technologies, (mis) information propagation, computational socio-pragmatics, NLG evaluation metrics, and resource creation. She has served the community in several capacities: Elected President of SIGLEX and SIGSemitic. She currently serves as the elected VP-Elect for ACL SIGDAT, the board supporting EMNLP conferences. She is a cofounder of CADIM (Consortium on Arabic Dialect Modeling, previously known as Columbia University Arabic Dialects Modeling Group), in 2005, which served as a world renowned reference point on Arabic Language Technologies.

RAISE is a UW-wide group of students and faculty interested in the broad space of responsible AI, trustworthy machine learning, human-centered computing and data science. As part of this group, our mission is to engage in scholarly, educational, and outreach activities that lead to foundational research in these areas. For more information: <https://www.raise.uw.edu>.

Additional RAISE events: 11/19/21: [Yunhe Feng](#), Postdoctoral Scholar, UW Information School;
12/3/21: [Kush R. Varshney](#), Distinguished Research Staff Member and Manager, IBM Research.

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