

CSCE 590-1: From Data to Decisions with Open Data: A Practical Introduction to AI

Lecture 26: Graduate Paper Presentations

PROF. BIPLAV SRIVASTAVA, AI INSTITUTE

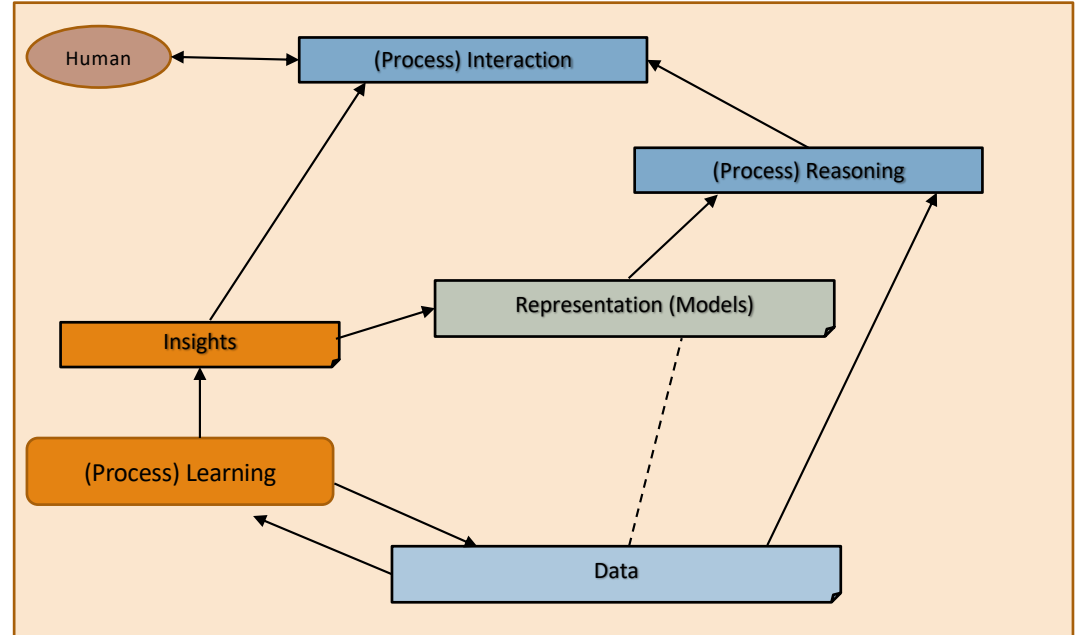
15TH APR, 2021

Credits: My collaborators on
AI Ethics, especially Francesca Rossi

Carolinian Creed: “I will practice personal and academic integrity.”

Organization of Lecture 26

- Introduction Segment
 - Recap/ Discussion of Lecture 25
- Main Segment
 - Graduate Paper Presentations
- Concluding Segment
 - About Next Lecture – Lecture 27
 - Ask me anything



Introduction Segment

Recap of Lecture 25

- We covered
 - Framing the problem, common reasons
 - Detection methods
 - Remediation methods
- Will be offering a class in Fall 2021 on “Trusted AI”

Main Segment

Paper Presentations – Graduate Students

- Select a paper appearing at a top-AI or data conference (AAAI, IJCAI, NeurIPS, SIGMOD, WWW, ICML, VLDB, ...) during 2019-2021
- Present in class for 10 + 5 minutes of Q/A
- Things to cover
 - **Summary:** problem, solution, related work, contributions
 - **Opinion:** What you liked or did not like
- Dates
 - In-class presentation on April 15, 2021
 - 1-page written report on May 4, 2021

Paper Presentation Order

1	Avineet Kumar	(AAAI-20) Scalable and Generalizable Social Bot Detection through Data Selection
2	Ahad Hasan	(AAAI-19) Multi3Net: Segmenting Flooded buildings via Fusion of Multiresolution, Multisensor and Multitemporal Satellite Imagery
3	Marilyn	(FAccT '21) Reasons, Values, Stakeholders: A Philosophical Framework for Explainable Artificial Intelligence
4	Rohit	(AAAI-19) Gupta, R., Kanade, A., & Shevade, S. (2019). Deep Reinforcement Learning for Syntactic Error Repair in Student Programs.
5	Vedant	(AAAI-21) Neural Analogical Matching - https://arxiv.org/abs/2004.03573 (AAAI-21)
6	Vishal	(AAAI-21) Humor Knowledge Enriched Transformer for understanding Multimodal Humor

Concluding Segment

Upcoming Classes



Upcoming Classes

21	Mar 25 (Th)	Review: project presentations, Discussion	
	Mar 30 (Tu)	Wellness Holiday	
22	Apr 1 (Th)	Text: Text Summarization	
23	Apr 6 (Tu)	Text: Representation, Sentiment	
24	Apr 8 (Th)	Text: Sentiment, Visualization	
25	Apr 13 (Tu)	Advanced: Bias and Trust Issues	Quiz 4
26	Apr 15 (Th)	Paper presentations – Graduate students	Final assignment for Graduate students
27	Apr 20 (Tu)	Invited Guest – Javid Huseynov – Case Study: Finance	
28	Apr 22 (Th)	Project presentations	
	Apr 27 (Tu)	Reading day	Reading day
29	Apr 29 (Th)	Project presentations	Final assignment given (undergrad)
30	May 4 (Tu)	Course Recap	Final assignment due (undergrad), Paper summary due (grad)

About Next Lecture – Lecture 27

Lecture 27: Invited Speaker

- **Javid Huseynov**, Ph.D., Associate Professor of Professional Practice in Applied Analytics; Senior Technical Staff Member, IBM
 - <https://sps.columbia.edu/faculty/javid-huseynov-phd>