

DOTE 6635: Artificial Intelligence for Business Research

What's Next in DOTE 6635

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Final Project

- You should schedule a meeting (online or offline) with me to discuss about your final project.
 - I suggest you do so before submitting your mid-term report.
- You need to submit a 1-page proposal by 12:30pm on March 11 (**soft deadline**), articulating your research problem, the data you plan to collect (or have collected), and the AI method you plan to use.
- You need to complete a (short, no **more than 10 pages** excluding references and appendices) research paper (with research question, data, implementation and, at least partial, results).
- You will also need to record a video (**no more than 15 minutes**) of your final project.
- Both the paper and the video will be due in **early May**.
- You will be judged by:
 - (20%) Research questions and methodologies;
 - (40%) Execution and results;
 - (20%) Presentation;
 - (20%) Writing of final paper.
- The paper should be either empirical or ML-methodological (unless with justifiable reasons).

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Final Project

- Answer the following questions before working on your chosen project:
 - Why do I think this is an interesting research question to business/econ audience? Will I make methodological or empirical contributions?
 - Why do I think this data set is good enough for me to answer this question? How will my results depend on the outcomes of the data?
 - Am I using the cutting-edge AI/ML technologies to solve this problem? Why or why not?

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Data Sets

- CS Datasets:
 - Kaggle
 - Packages
 - Papers that publish datasets
- Econ Datasets:
 - FOMC, 10-K, government contracting, census data, and other government datasets
 - Papers that publish datasets
- Business Datasets:
 - Published datasets from companies, such as Tmall, JD.COM, Tweet (X), Yelp and Reddit (most of them are on Kaggle)
 - A lot of UTD journals require publicizing data for replication (JF, RFS, IJoC, JM, MktSci, ManSci, OR, and ASQ).
 - Proprietary datasets
- Other Datasets:
 - Scraped data
 - Crypto

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