MAS DSE 260: Capstone Project

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Lecture 7: Evaluating and Interpreting Modeling Results

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Today's Topics

1. Looking Ahead

2. STEP VII Report : Modeling and Visualization Report Format

    --- DUE 4/29/22 9am

Feedback from Today's Presentations

- Good progress in modeling and improvements to models
- All groups are **on track** with deliverables
  - Step 7 is your leveling step for parts you feel behind
- More focus on communication and use

- **Next**
  - <u>Keep improving the user personas.</u> How do domain experts want to see the results communicated? Charts, reports, visualizations, …?
  - <u>Keep talking to domain advisors.</u>

Step VII Report Guidelines

- Title, team members and advisor(s)
- Modeling
  - **Analytic Approach:** questions and target definition, inputs, kind of model being built, etc.
  - **Model Description:** Training and scoring, types of learners, learner parameterization, etc. as applicable; Description or images of dataflow graph including training and scoring.
  - **Model Performance**: Results and evaluation (ROC, R^2, MAPE, etc.)**;** Performance graphs for various models as appropriate
  - **Model Interpretation:** Insights derived from results, significance of results, etc.
  - **Conclusion and Discussions for Next Steps:** What was learned in this cycle?; What new features, datasets, techniques, etc. do you plan to add based on the results?
- Any major updates to Steps 1 through 6 as a result of Step 7
- Keep it to 4-6 pages
- Due date: 4/29/2022 9am

Questions?

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