











Week 12: Term Project Final Submission

Introduction


Contents of the Week

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Topics

-  Model tuning
-  Model building and evaluation
-  Model interpretation
-  Communicating results in writing
-  Making recommendations and conclusions

Readings

-  Read the following:
 - There are no textbook readings this week.

Supplemental Materials

All of the materials below are from external sources. Authorship and ownership are indicated within the sources themselves.

Readings 

Videos 



[How to write up Analytics/Data Science Projects](#)

12.1 Discussion/Participation

Here are optional topics for discussion via Teams this week. Remember, these topics aren't required, but if you are struggling to know what to post about, these can be used to initiate discussion!

- 1 What are the key components of a data science project writeup?
- 2 Why is it important to communicate your conclusions with words?
- 3 What are some best methods for communicating your results to colleagues/supervisors?
- 4 What are some important items to consider when writing your conclusion?

12.2 Term Project: Final Project Submission



You have made it to the final week of the course and the time has come to submit your final project! Using your own judgment and based on the feedback you have received, update your project accordingly. Add any new code and/or analysis to your content from Milestones 1-3. Clearly note what content has been added since Milestone 3. Include this as part of your final project submission.

The primary final submission for the term project is a minimum five-page project writeup,

Submission Instructions

Click the title above to submit your assignment.

This exercise is due by **Saturday**, 11:59 PM.

Submit all code, content, and analysis from Milestones 1-3 along with any updates instructions and the project writeup as described above. I would recommend using

e.g., MS Word or PDF file, summarizing the details of your project. Your final submission should include the following.



Introduction

- Introduce the problem
- Justify why it is important/useful to solve this problem
- How would you pitch this problem to a group of stakeholders to gain buy-in to proceed?
- Explain where you obtained your data



Organized and detailed summary of Milestones 1-3

- EDA; include any visuals you think are important to your project
- Data preparation
- Model building and evaluation



Conclusion

- What does the analysis/model building tell you?
- Is this model ready to be deployed?
- What are your recommendations?
- What are some of the potential challenges or additional opportunities that still need to be explored?

To summarize, you should submit the following two items for your term project final submissions:



1 All code, content, and analysis from Milestones 1-3 along with any updates



2 Project writeup described above

and submitting a Jupyter Notebook, but this is not required.

View the rubric for this Assignment by clicking on the link below:

[Term Project Rubric](#)

