Title of Your Project

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PURDUE UNIVERSITY | Mitch Daniels School of Business

ABSTRACT

What did you do? Why did you do this project (who cares?)? What did you find you find out? No more than 200 words here.

This paragraph is just a short summary of your project.

BUSINESS PROBLEM

Discuss the **business problem** as you would in the business understanding phase of CRIPS-DM.

Motivate why is the problem is important …Cite at least two sources from mainstream media, white papers, or blogs that are no older than 2 years old that provide stats that help you motivate your problem.

Maybe add in a pretty illustration of what you're talk about…Remember a poster is NOT a paper, but a high-level overview of you what you investigated. You are sort of using your poster like a PowerPoint deck and thus will want more BEAUTIFUL figures and CONCISE language.
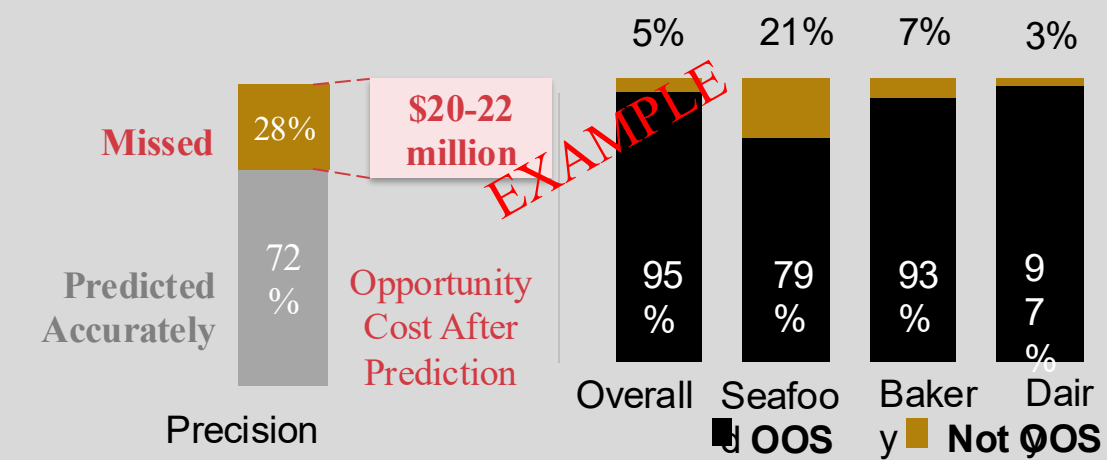

Fig 1. The Idea of what you are trying to do

USE FIGURES / PICTURES / DIAGRAMS TO TELL THE STORY

RESEARCH QUESTION

• One to two clearly defined research questions

ANALYTICS PROBLEM FRAMING

• Problem framed into an analytics problem
• Assumptions are clear
• Appropriate success metrics defined
• Clear justification or approval of approach

USE FIGURES / PICTURES / DIAGRAMS TO TELL THE STORY

DATA & EDA

• Data sources identified and prioritized
• Data preprocessing clear
• Important or notable data relationships clear
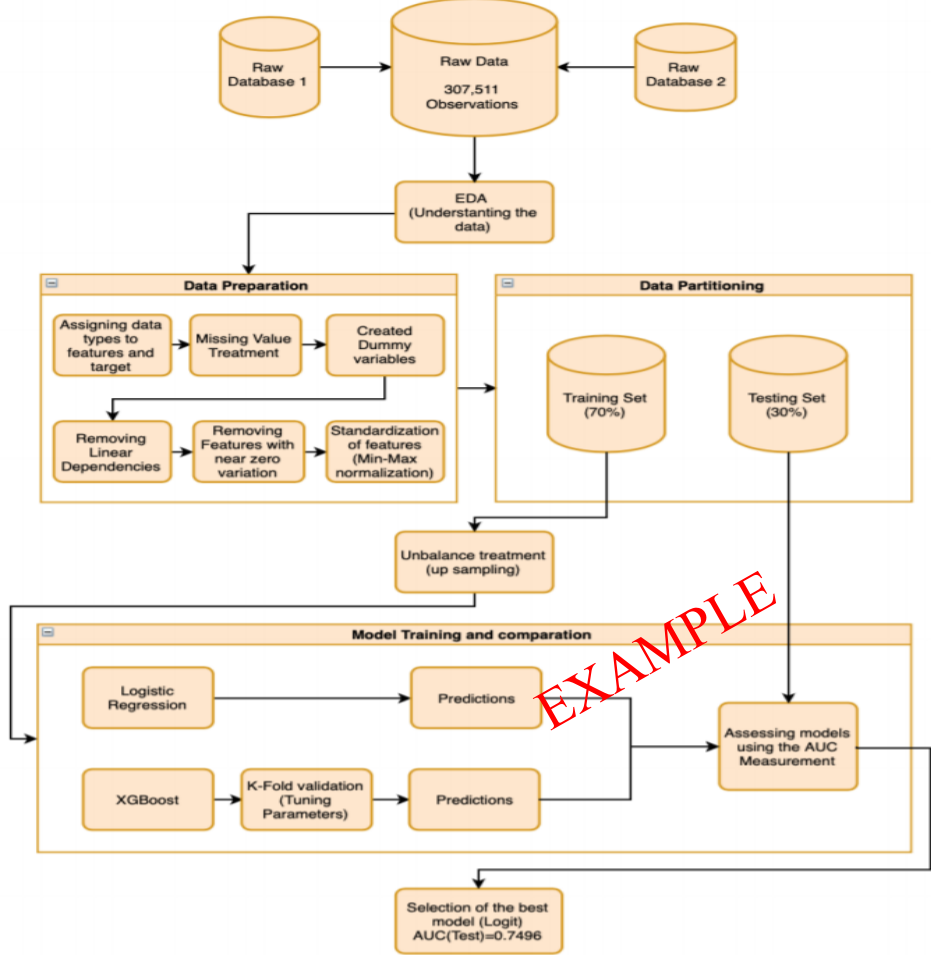• Reflection of business & analytics problem framing

USE FIGURES / PICTURES / DIAGRAMS TO TELL THE STORY

METHODOLOGY

• Methods used are appropriate and clear
• Software and technologies used are clear
• Experiments performed support problem and answer questions

MODELS PERFORMANCE AND EVALUATION

• Model results clear and appropriately evaluated
• Demonstrated how models will/are to be used
• Final model/solution structures or interpretations discussed as necessary
• Areas for improvement identified

USE FIGURES / PICTURES / DIAGRAMS TO TELL THE STORY

BUSINESS IMPLICATIONS
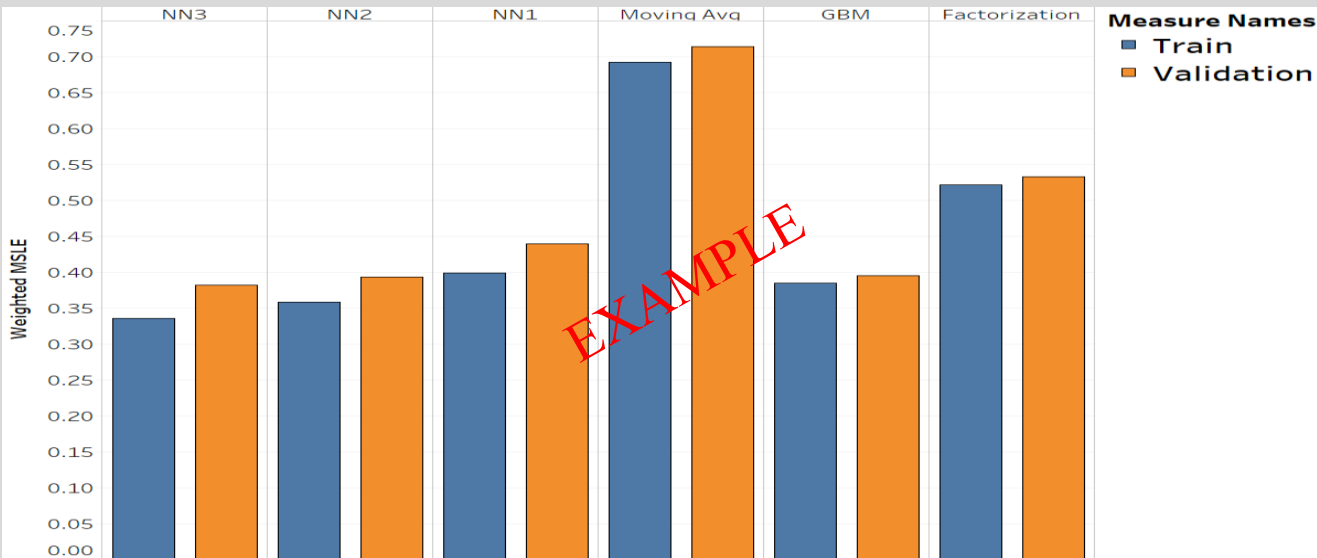
• Business validation of model/solution demonstrated
• Impact (actual or estimated) of using model/solution
• Audience/stakeholder feedback or testimony of business impact
• Future scope aligns with conclusions

Fig 5. Total Net Savings ($) based on predicted OOS instances

CONCLUSIONS & FUTURE WORK

Reiterate why the problem is important in a sentence or two.

Provide bulleted answers to your research question(s).
➢ The Random Forest was able to predict intermittent demand with a 15% MAPE, which was 5% better than the currently used model.
➢ All our ML models performed on average 4% better than Croston's method.
Were there any limitations in your study or future analyses you think might improve your results?

ACKNOWLEDGEMENTS