



# Project Scorecard

## AI Studio Sprint #4

KPMG: Charging to Sustainable Future

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# Scorecard Key and Instructions

- Overall Status: This can be green, yellow, or red. Green indicates that the project is on track. Yellow indicates that the project *may be* at risk. Red indicates that the project *is* at risk.
- Project Milestones: Indicate the status for individual Milestones using *green* (Milestone is on track or already completed); *yellow* (Milestone may be at risk for completion by the Target Date); or *red* (Milestone is at risk for completion by the Target Date, or the Target Date was missed). A description of each Milestone is provided in the Appendix of this document for reference.
  - You do not need to fill in the status for future Milestones (e.g., for your Sprint #2 Scorecard, you do not need to fill in a status color for “4. Modeling and Evaluation” or “5. Iterate and Prepare Your Presentation”, since these two Milestones correspond to later Sprints)
- Recent Accomplishments: Highlight your team’s recent project “wins”.
- Upcoming Activities: List your team’s action items for the next Sprint / next two weeks ahead.
- Issue Tracking: Describe the issues and blockers that your team is facing.

# Sprint #4 Project Scorecard (due 10/23)

BREAK  
THROUGH  
TECH

Overall Status:



## PROJECT MILESTONES

Milestone <i>(See Appendix for description)</i>	Target Completion Date	Status
1. Team Building	08/19	
2. Business Understanding	09/04	
3. Data Understanding and Preparation	10/09	
4. Modeling and Evaluation	11/06	
5. <i>Iterate and Prepare Your Presentation</i>	12/04	

## RECENT ACCOMPLISHMENTS

- Created project hypothesis
- Created business goal for hypothesis
- Generated possible features to implement

## UPCOMING ACTIVITIES

- Final cleaning data
- Combining everyone's dataframe into 1 dataframe for modeling

## ISSUE TRACKING

Issue	Our Plan to Address	Help Needed from AI Studio TA / Challenge Advisor
Time to complete this before the final presentation	Work on it as much as possible. Dedicate one person to get continuous updates from each person on their progress and push the team.	Our Challenge Advisor has given us a push and essentially gave us deadlines.
[Your text here]	[Your text here]	[Your text here]

## Sprint #4 Project Scorecard (due 10/23)

**BREAK  
THROUGH  
TECH**

Need more space? Use this slide!

### RECENT ACCOMPLISHMENTS

- [Your text here]
- [Your text here]

### UPCOMING ACTIVITIES

- [Your text here]
- [Your text here]

### ISSUE TRACKING

- [Your text here]
- [Your text here]



# Appendix: AI Studio Project Milestones



# Milestone #1: Team Building

## Team Objective

1. Get to know each other and how you will work together effectively this Fall

## Deliverables

- ☐ Submit completed Challenge Advisor Meeting Prep document (due 08/17)
- ☐ Submit completed Team Alliance document (due 08/19)

## To-Dos

- ☐ Schedule and send calendar invites for recurring weekly team meetings with project team
- ☐ Set up collaborative work environments (e.g. Google Colab, Trello, etc.)
- ☐ Attend the introductory Challenge Advisor meeting

**Target Completion Date:**

August 19th

**Associated Sprint(s):**

N/A (Bridge to Studio)



# Milestone #2: Business Understanding

## Team Objective

1. Build “business sense” for your AI Studio project and align on project expectations with your Challenge Advisor

## Deliverables

- ❑ Submit completed Project Scope and Deliverables document (due 09/04)
- ❑ Submit signed CSP agreement (individual student submission) (due 09/04)

## To-Dos

- ❑ Schedule and attend second virtual Challenge Advisor meeting (to review Project Scope and Deliverables doc)
- ❑ Schedule and send calendar invites for recurring biweekly meeting with Challenge Advisor (virtual)

**Target Completion Date:**

September 4th

**Associated Sprint(s):**

Sprint #1 - Business Understanding



# Milestone #3: Data Understanding and Prep

## Team Objective

1. Preprocess your raw data for subsequent modeling

## Deliverables

- ❑ Submit completed Project Scorecard for Sprint #2 (due 09/18)
- ❑ Submit completed Project Scorecard for Sprint #3 (due 10/09)

## To-Dos

- ❑ Complete exploratory data analysis (EDA) to perform statistical and descriptive analysis
- ❑ Utilize data visualization techniques to understand and clean up your data
- ❑ Clean your data to eliminate data that is non-representative of the problem you're solving
- ❑ Complete feature engineering to prepare your data for your intended ML models

### **Target Completion Date:**

October 9th

### **Associated Sprint(s):**

- Sprint #2 - Data Understanding  
- Sprint #3 - Data Preparation





# Milestone #4: Modeling and Evaluation

## Team Objectives

1. Choose appropriate model candidates and evaluation metrics
2. Utilize feature selection and hyperparameter techniques to get a better performing model

## Deliverables

- ❑ Submit completed Project Scorecard for Sprint #4 (due 10/23)
- ❑ Submit completed Project Scorecard for Sprint #5 (due 11/06)

## To-Dos

- ❑ Select and train at least THREE candidate models for your problem with varying complexity
- ❑ Choose model evaluation metrics to evaluate how well each model performs on validation data
- ❑ Select the best-performing model and evaluate how it performs on new test data
- ❑ Use feature selection and hyperparameter tuning to maximize model performance

### **Target Completion Date:**

November 6th

### **Associated Sprint(s):**

- Sprint #4 - Model Selection
- Sprint #5 - Model Evaluation



# Milestone #5: Iterate and Prepare Your Presentation

## Team Objectives

1. Iterate on your data preparation to improve your selected model
2. Prepare your final presentation to your Challenge Advisor and company

## Deliverables

- ☐ Submit completed Project Scorecard for Sprint #6 (due 11/20)
- ☐ Complete dress rehearsal of final presentation (due 12/04)
- ☐ Submit final presentation (due 12/04)

## To-Dos

- ☐ Revisit and improve your data and/or create new features to improve model performance
- ☐ Document your final system to ensure that it can be read and improved by a future user
- ☐ Draft and rehearse your final presentation and incorporate feedback to continuously improve

### **Target Completion Date:**

December 4th

### **Associated Sprint(s):**

- Sprint #6 - Iterate
- Sprint #7 - Prepare Presentation