

**MICHIGAN STATE**  

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**UNIVERSITY**

**Alpha Presentation**  
**Change Insights Datamart and Risk**  
**Assessment**  
**The Capstone Experience**

**Team UWM**

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Fall 2023



*From Students...*  
*...to Professionals*

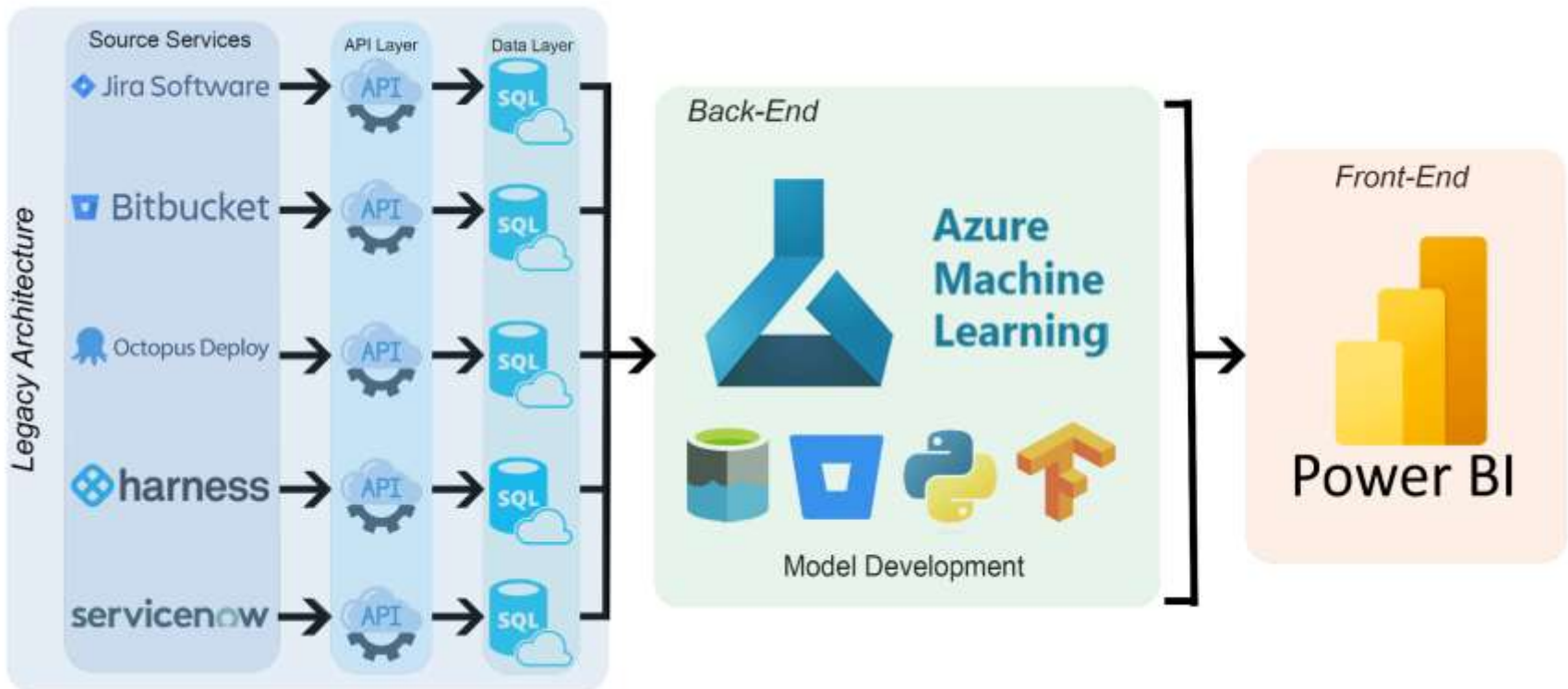
# Project Overview

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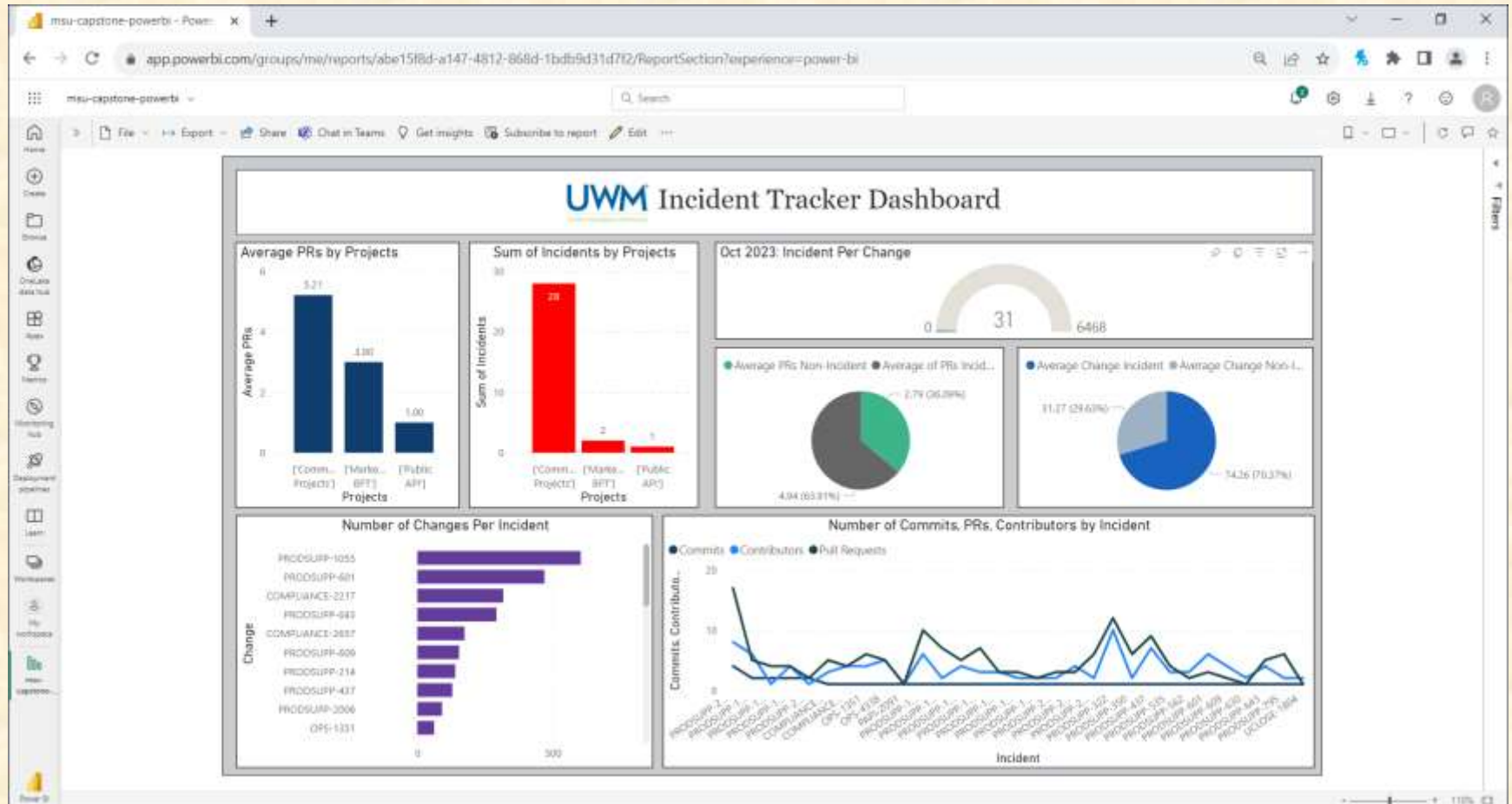
- Identify production risks during development
- Consolidate data from multiple systems into comprehensive DataMart
- Develop a model that assesses risk associated with each software change



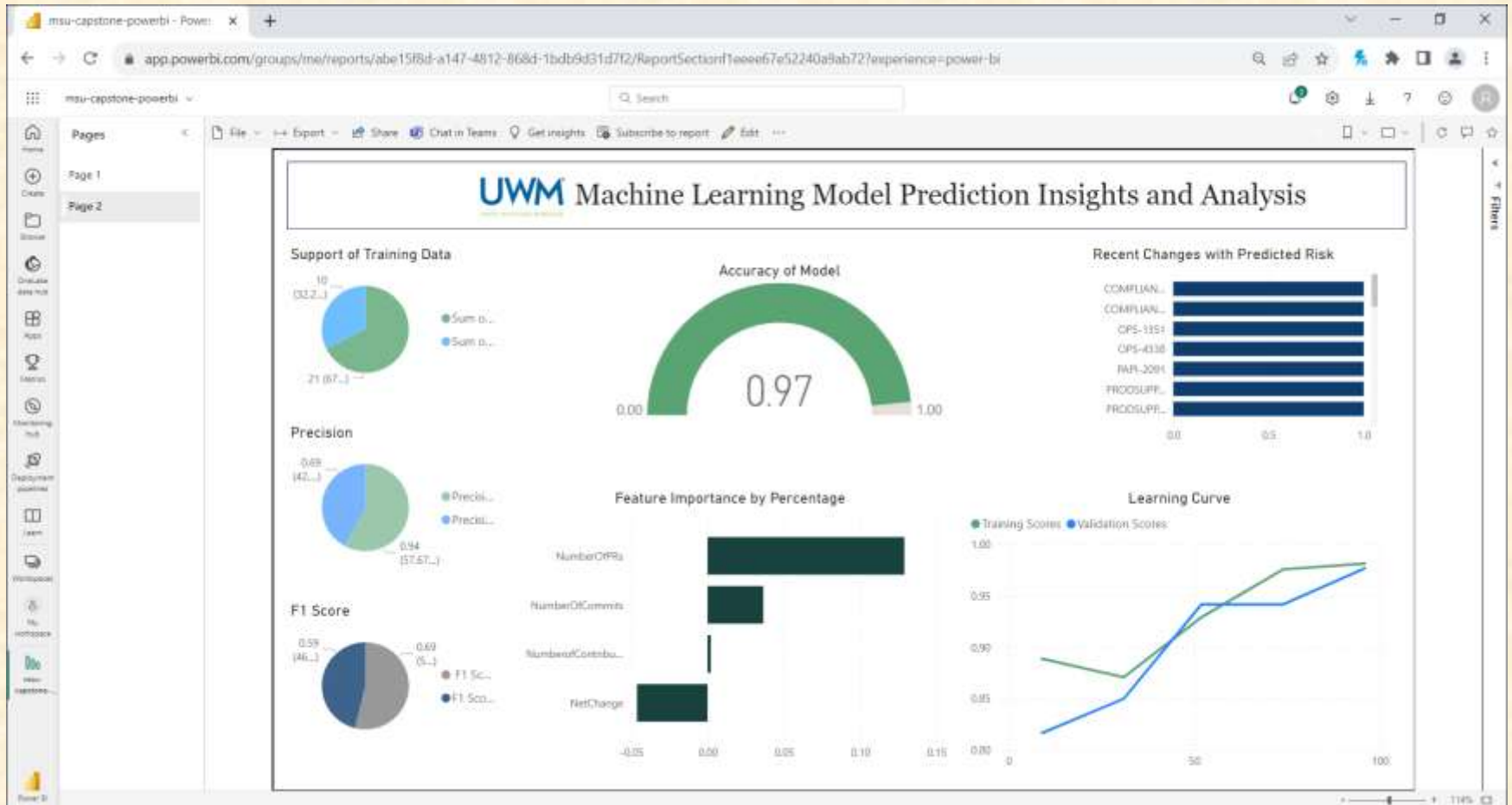
# System Architecture



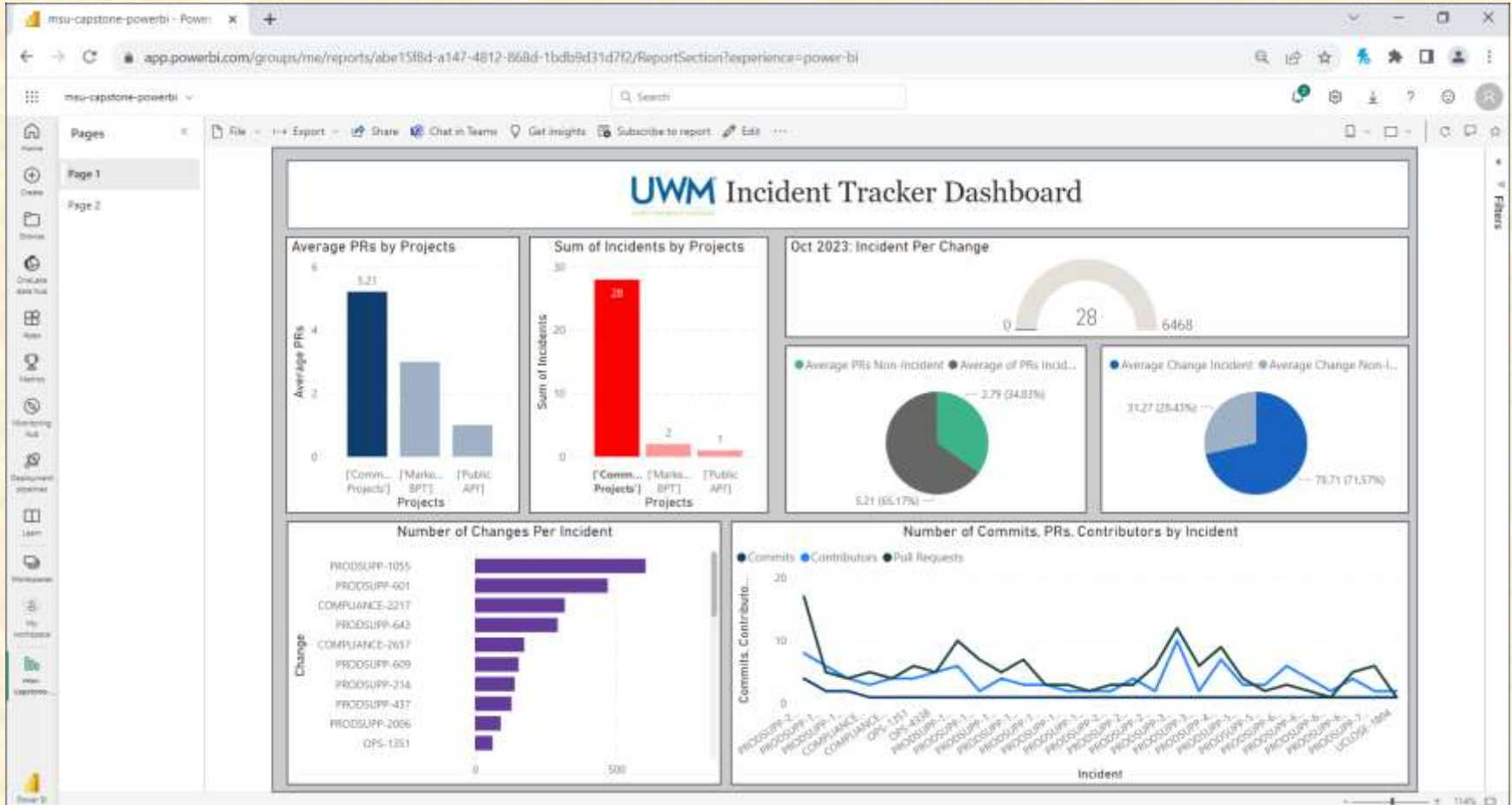
# Incident Tracker Dashboard



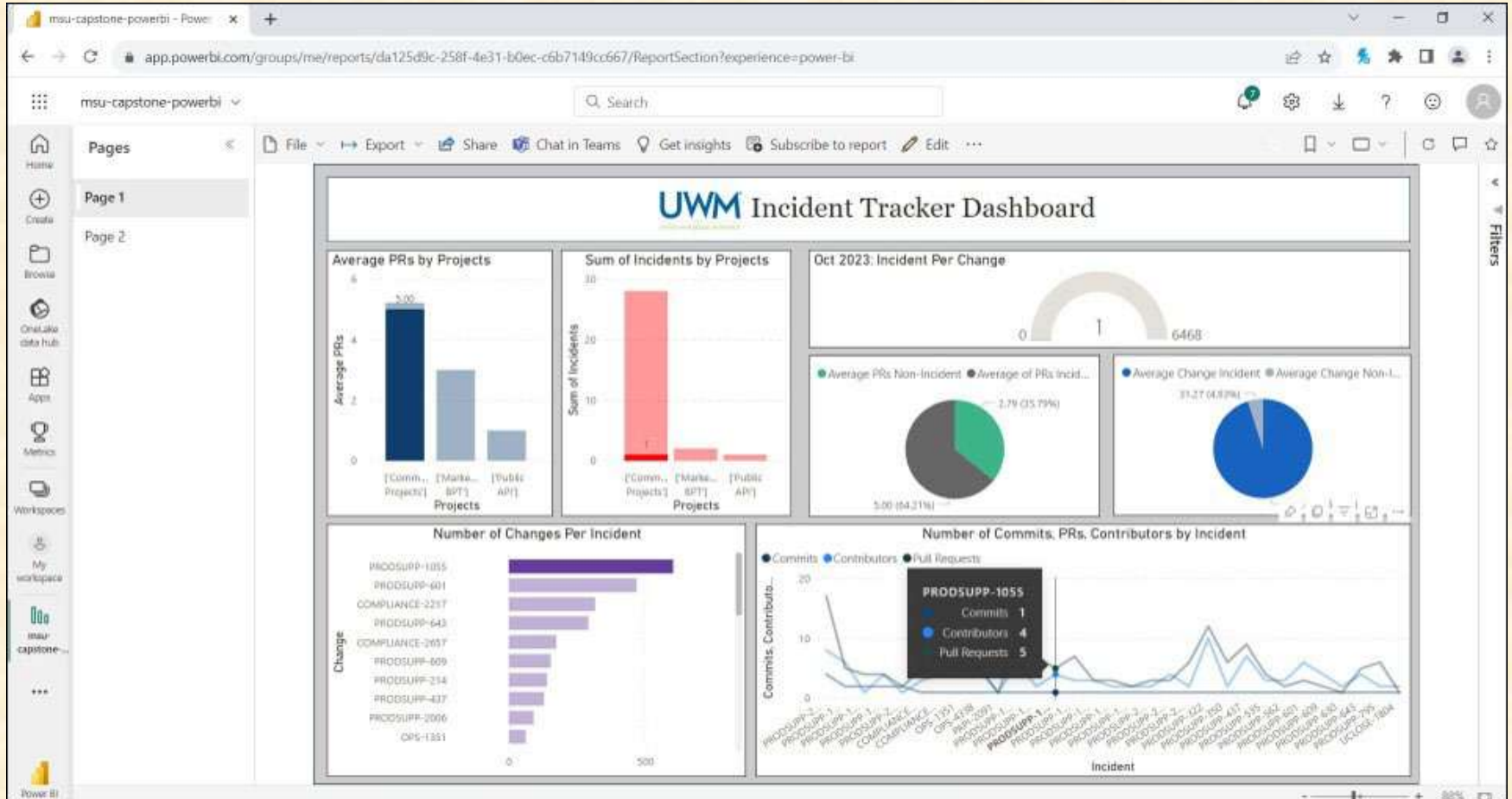
# Model Prediction Insights



# Project Specification Analysis



# Incident Specification Analysis



# What's left to do?

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- Continue receiving and integrating data
- Explore and evaluate models
- Hyperparameter tuning
- Expanding on Power BI reports





# Questions?

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