

A Sales Forecast Model

Presentation

Let's get started



Our presentation is optimized for whiteboard use



Introduction



Project
Kickoff
Overview



Challenges



Call to action



Sneak Peak



<u>Summary</u>

Introduction

Teams Involved:

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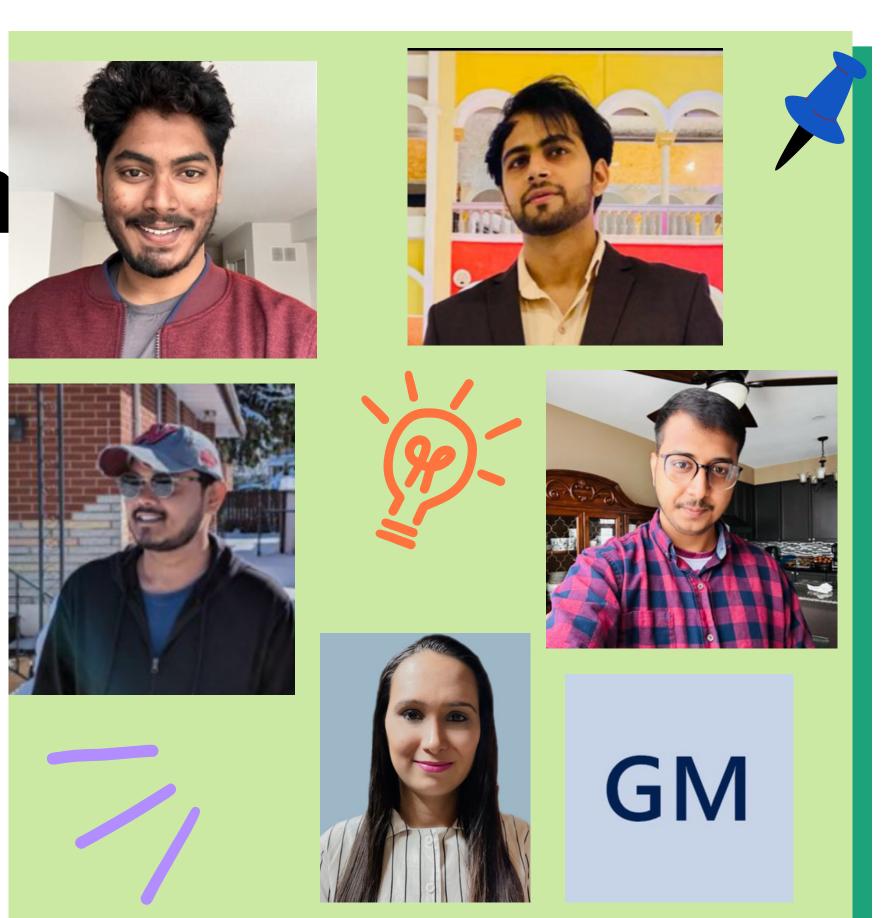
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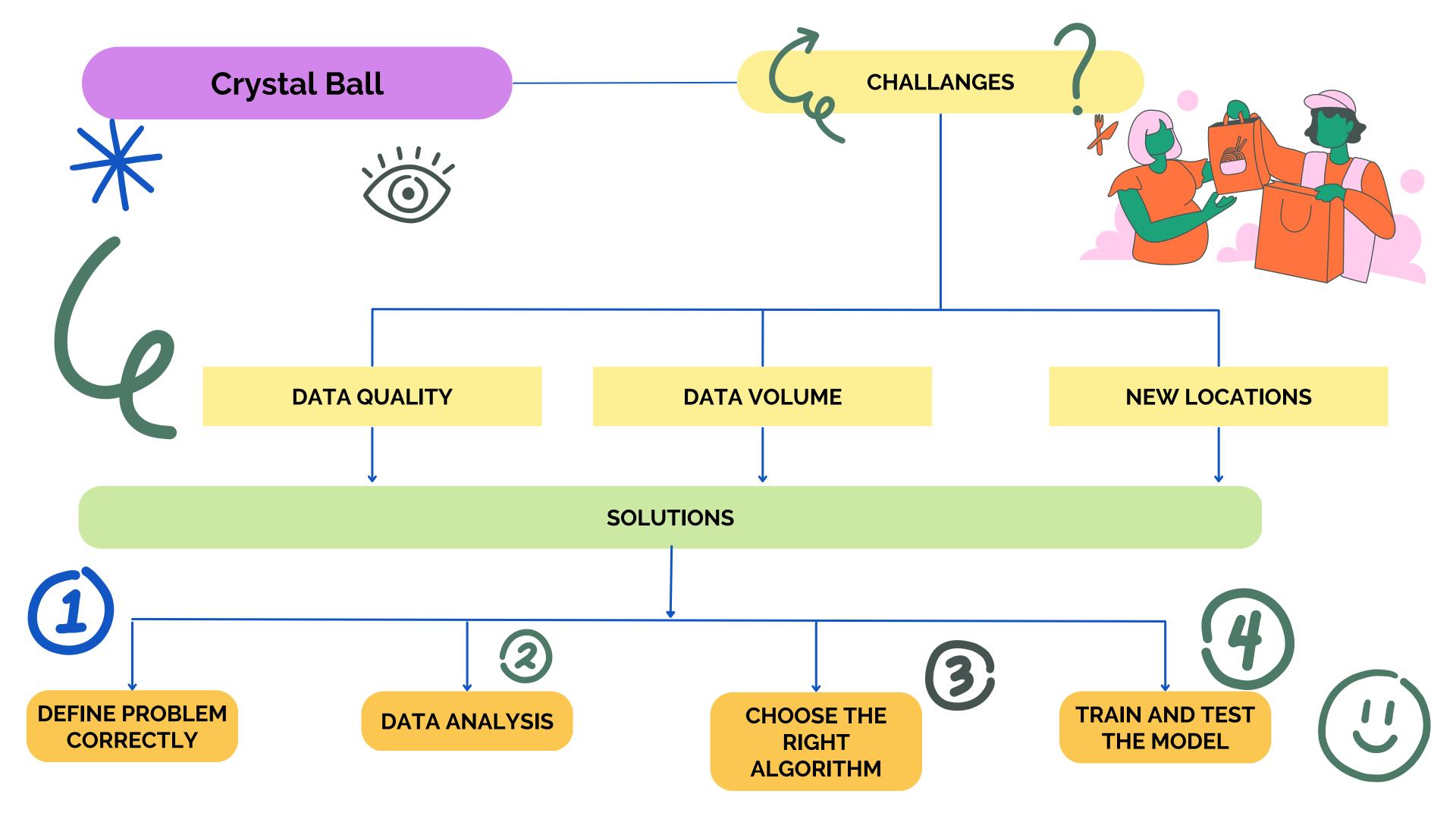
Project Kickoff

Use time-series forecasting to forecast store sales on data from Corporación Favorita, a large Ecuadorian-based grocery retailer.

Better Sales Forecasting = Less Food Waste + More Customer Satisfaction

Our Model: More Accurate Predictions for Thousands of Items at Favorita Stores. Training Data Includes: Dates, Store and Item Info, Promotions, and Unit Sales.





How we solved Model building???

Data Collection: Gathered sales data, promotions, store and item information from Favorita sores.

Preprocessing: Cleaned, transformed, and organized data into a usable format for analysis.

Feature Eng g: Created new features such as seasonality, day of the week, and ecial holidays to improve the accuracy of the model.

Model Scan Evaluated various machine learning algorithms and elected the one with the highest accuracy for the task.

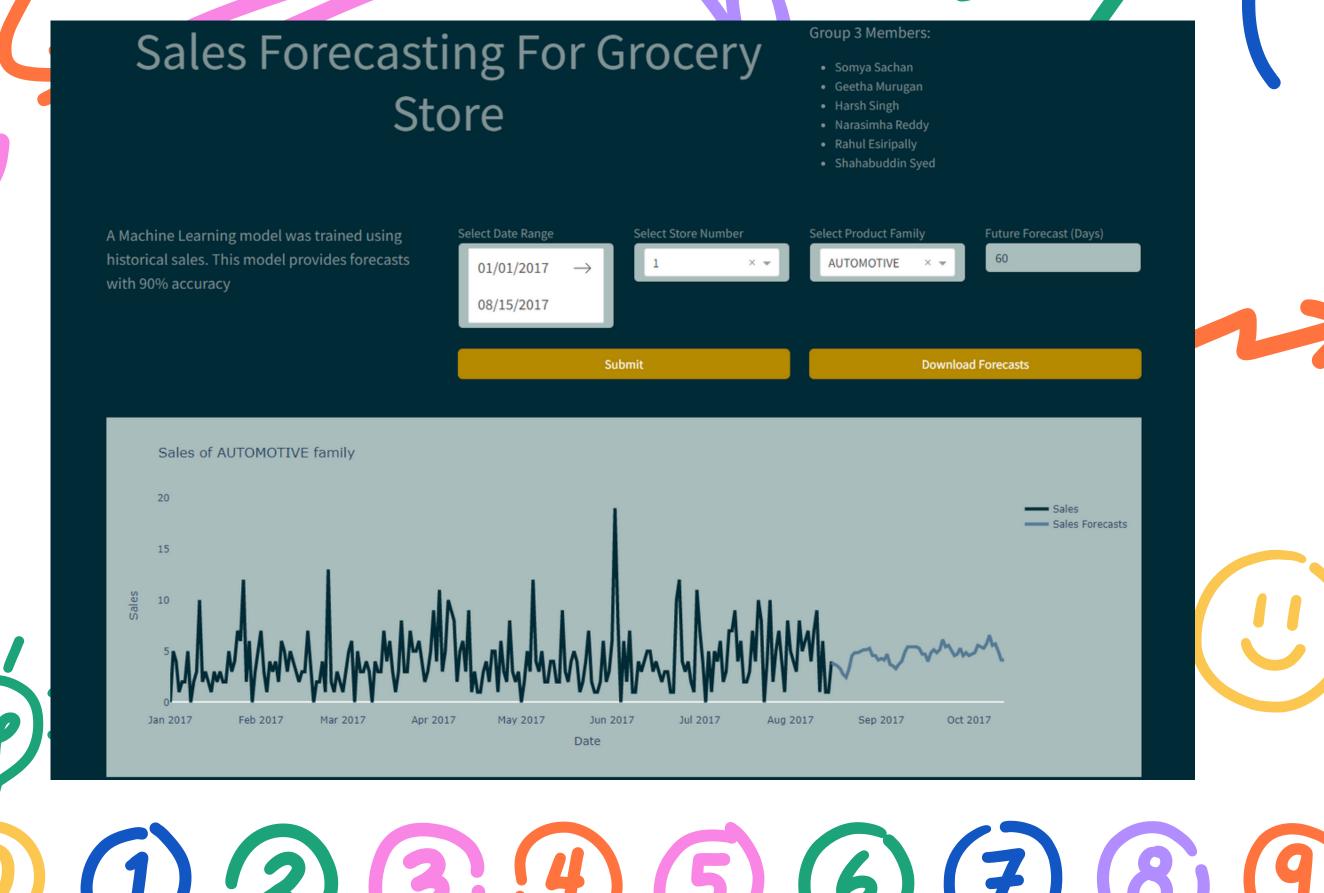
Model Training: Trained the selected model using an approachable training dataset of dates, store, and item information, promotions, and unit sales.

Model Tuning: Fine-tuned the model parameters using cross-validation techniques to maximize its accuracy.

Validation: Validated the model using a separate validation dataset and compared the results with the ground truth sales data.

Deployment: Deployed the model to predict unit sales for new items and stores, improving sales forecasting accuracy and reducing food waste.

Sneak Peak, Click to explore;)







Summary

Objectives	Action Item	Deliverables 3
Best customer service	Define the problem correctly	Accurate Sales Forecasting Benefits
	Data Analysis	Advanced Sales Forecasting
	Chose the right model	Comprehensive Model Development
Cost Savings	Train the model	Improved Business Performance
Minimize Food Waste	Test the accuracy	Scaling and Optimization



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