These set of Predictive Analytics projects developed with Alteryx are focused on how to use Alteryx and machine learning models for providing solutions to business like:

* Enhance data gathering and ensure data quality by automating data pipelines, merge of multiple sources, handling missing and outlier values, in order to have reliable data for analysis.
* Predicting future product demands with Multiple Linear Regression.
* Bank credits evaluation using Logistic Regression, Decision Tree and Boosting Models.
* Evaluate the gross margin impact of new products offered on chain store businesses with A/B Testing.
* Generate forecast sales with Time series like ETS and ARIMA.
* Evaluate new foreign markets for business expansion using segmentation, that involves variable reduction with PCA for business and demographic data, and applying multiple methods for clustering like K-Means, Neural Gas and K-Medians.
* Store Clustering based on business performance, New Store Classification based on demographic data and forecasting total sales for existing and new stores using Time Series.

#Alteryx #MachineLearning #PredictiveAnalytics #MultipleRegression #Clustering #TimeSeries #A/B\_Testing