

# Regentsoft - Clothing Sales Forecasting API

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## Problem

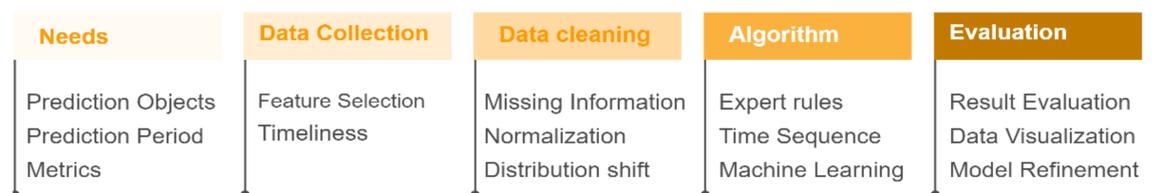
Regentsoft has focused on the clothing ERP industry for many years, helping clothing manufacturers and retailers manage clothing production and retailing systems. In recent years, the company began to provide new services such as clothing sales prediction. However, currently, the prediction work is finished manually by sales experts according to their experiences, which can be inaccurate and inefficient.



## Approach

According to the research, there is a huge market for sales forecasting in the clothing retailing industry. Currently, competitors in the ERP market either lack familiarity with the clothing industry or just predict the sales manually by experts. In order to improve the efficiency and accuracy, we decided to develop an automatic sales forecasting system based on machine-learning algorithms.

Landscape				
Forecasting in academia	Data Science Competitions		Social Impact	Others
	Kaggle - Real Estate price, stock price, store sales	Alibaba - Fashion AI	Crime, population, climate, urban	Finance - risk, insurance
In Clothing Industry	ZARA - Demand forecasting based on sales		Traditional fashion trend prediction	Third-party solutions: umeng, Talkingdata Corporation: MS Power BI, AWS, Google Cloud, Salesforce



## Solution

Our product is based on the API communication between the user and the cloud, which saves the end user's computing and storage resources with easier interactions. Users can upload the historical sales data from the local computer to the cloud. The data will be cleaned, processed automatically. Then the machine learning model will be trained on the cloud. Users can retrieve the prediction anytime from the cloud.

