What is [*AI Supermarket*]?

Highlight of the product

[*AI Supermarket*] *is a software system that aims to improves sales strategy by introducing data mining to sales management.*

About the product:

This is software for people who work in chain supermarkets crossing the country: sales managers, partners, salesperson and so on. First and foremost, it can use the limited historical data to predict store sales in the near future. Second, this product provides different deployment options for customers.

List up your software's killer feature.

1. **Intelligent Analysis Module**.

This module provides the most killer features of AI Supermarket. It can predict (a) the department-wide sales for each store, (b) make inventory suggestions, and (c) diagnose the business health with summary. All these functions are running automatically in the background and are invisible to our customers. The customers just need to migrate their old software system to our new one, then they can have everything we provide.

When to Use

Traditionally, the experience superior manager needs to look up the sales trend recently and the same terms in the past few years, to predict the future sales and determine the next inventory of stores under his (her) management. In fact, these should be more factors taken into considerations, like weather, dominant events, CPI, unemployment rate, et cetera. It's really challenging for a human being to give a reasonable prediction, so does (b) making inventory suggestion and (c) diagnosing the business health.

How to Use

Under this circumstance, this module will be used to give the reasonable decision.

Machine learning has been widely adapted in image processing and natural language processing in recent years. This module applies some mainstream machine learning approaches to build prediction model. All these works can be run automatically. The users just need to click button to login and then the results show up. The training job keeps running, therefore the prediction can be returned in real time, so does (b) and (c).

Benefits User Get

The benefits users get can be divided into three aspects: (a) resource reuse, (b) prediction ability intensify, and (c) easy usability. This module makes the dead historical data alive, which could replace experienced manager to some extent. This module can take giant number of factors and data into consideration. In this regard, it is more powerful than human being. Customers will have a better understanding of sales data both in the past and future, which will helps making more reasonable strategy. The last but not least, it does not need complex operation, meanwhile decreasing the dependence on experience.

2. **Multiple Deployment Options**.

This software system provides different deployment options: cloud deployment, local deployment and hybrid deployment, which is the second killer feature.

When to Use

Different supermarkets have multiple choices to deploy their software system and database:

For cloud deployment, small sized chain supermarkets don't need to buy their own servers. The software and dataset are configured perfectly for them in the cloud. They just need to cover the small amount of service fee. For local deployment, huge chain supermarkets, like Walmart, Carrefour, et cetera, prefer to maintain their database locally for business secret. They have their own hardware and IT department. For these potential customers, they just install the management software on their servers, and then all works could be done automatically. For hybrid deployment, the medium-sized chain supermarket or new customer may doubt the usability of the management software. The third option is prepared for these potential customers. Their just need to deploy our system to their local devices for storing the important data, while uploading part of the core data to cloud for training the model, by this way, they can make full use of the powerful computational ability.

How to Use

Users should select the deployment solution according to their own conditions. Once decision made, they just need to install this software, then everything is available. Specifically, for new supermarkets, they have none or less historical data. Therefore, if they choose the cloud deployment solution, the trained model will be provided according to the dataset shared by nearby stores.

Benefits User Get

This software supports different types deployment options, which can expand the potential market, especially for small and medium-sized supermarkets.

1. Cloud Deployment: This type deployment solution has lowest expense, while have the relatively high performance. No workstation need locally. This solution make full use of powerful calculation ability and shared dataset in cloud, which make it train process faster and economically.
2. Local Deployment: This solution has the highest security. Besides, they can utilize their available hardware and platform.
3. Hybrid Deployment: This kind of solution gives customers more flexibility to balance the data privacy and the running cost.

3. **Easy Migration**

This software system supports mainstream systems migration. A package of APIs are designed for compatibility of different data format and business types. Moreover, a simple and effective validation methods are provided for evaluate accuracy.

When and How to Use

This validation submodule is used whenever user need to know the system accuracy. The APIs are designed for helping our engineer to assist customers' migration. The usage of validation is similar with the former two killer features. Once installed, clicking button will handle the job.

Benefits User Get

This function makes migration of old data secure and reliable. At the same time, it proves the method to validate the accuracy of prediction. Both allow the application to be sold to the wider possible chain supermarket as a result.