Resilient and AI-based Supply Chain Management via Analytics for Retailers
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The up-to-date inventory tracking systems are not well equipped with data analytics therefore representing a conventional practice driven by checking in and out with barcodes or RFID tagging. During cash registers' operation, stocks are deducted from the inventory throughout various warehouses or shelves. These systems lack predictability therefore possess shortcomings for times like a pandemic, which mostly ends up with panic-buying in stores with out-of-stock items. We will combine offline and online forecasting analytics tools that are capable of tracking real time stock and performing inventory management with less human involvement. Our new service provides an innovative solution in retail business store execution with novel use of hardware and software integration. We will design a unique comprehensive system which deploys aspects such as advanced logistics management, smart supplier management, data-driven inventory optimization.