

BTM539 Ai for BM 1st project ideation

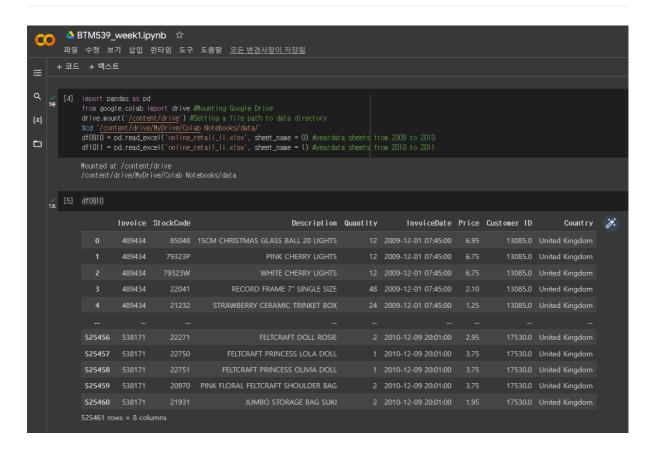
During winter break, I had participated in startup society and joined in networking.

I had heard that many stories of speakers and participants from impressively growing retailer startups, they got crawling item data with Python from Coupang, 11st or other online marketplace as well; the rule is very simple! Finding most cheapest goods, and sell them via NAVER smartstore, take some profits between purchasing price and selling price.

It was actually able to make some cashflow. Starting from that point, they kickstarts their shopping business, such as Queenit (Rapportlabs), Alwayz(Levit) who survived against retail moguls.

I got inspired from those case. So I want to try same time series analysis model with given dataset on BTM539 1st project — if it can't be able to do, please let me know to switch the agenda:

- Use collaborative filtering or association rule mining in Python over StockCode and Price (if we couldn't solve in the class, get some codes from GitHub or Reddit, Stack Overflow)
- (1) Get cheaper from cheapest domestic seller via Google Colab,
- (2) Exporting those item slightly less expensive than median price to foreign country,
- (3) Use asymmetric information & set the estimation how much we can get sales income. (If cancellation happened holding its inventory inside our cargo.)



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The dataset contains information such as InvoiceNo, StockCode, Description, Quantity, InvoiceDate, UnitPrice, CustomerID, Country from 2009 to 2011 in the United Kingdom.

