BiWeekly meetings-2 (16 November-29 November biweek)

Agenda

First Week

- Kickoff document version 2 will be prepared ### Second Week
- Data from Stockmount will be discussed
- The process of integratating new data to ML/DL models will be discussed
- The process to integrate new data to Database and wanted query/table structure will be discussed.
- Final needs from the scraper(according to send data from stockmount) will be discussed ## Summary ### First Week After our supervisor talked with STOCKMOUNT we learned that they have still not decided on the type of product. They will return to us with the given product and sale number and sale price history for similar products that are sold through their platform. Because of changing requirements explained above we will first take a meeting on thursday with our supervisor and decide on the path to take on. Also they said instead of trendyol we should look scrape from either hepsiburada or N11(which was trendyol at the start of the project because of that we have finished %90 of the trendyol scraper)

Because of the reasons above next week's schedule will be decided on thursday. This week I have: I have looked at the arhitectures of N11 and hepsiburada. They had similar architecture as trendyol. - N11 - N11 had similar pagination mechanic as trendyol so if needed we can write a spider to get URL data statically - For the product; dynamic(price favourites or stars) and static(colour,OS,cpu (these will be different according to type of product wanted from us)) features can be scraped easily. - Hepsiburada - Hepsiburada also had similar pagination mechanics as trendyol so if needed we can write a spider to get URL data statically - For the product; dynamic(price favourites or stars) features can be scraped easily. - Static(colour,OS,cpu (these will be different according to type of product wanted from us)) are divided into multiple tables so a pre-check on given product list might be needed to see the way for us to continue

- Other work(ML/DL) Since I didn't have much to do on this week I have also started Neural Networks and Deep Learning the 1st of 5 courses of Deep Learning Specialization by Andrew Ng and DeepLearning.AI. ### Second Week
- Our partner company finally has sent us data. We can finally use it to train it to our models but this has created some complications.
- The data we have recieved has prodcuts from both Trendyol and Hepsiburada. Since both sites uses different barcode systems for their products, we don't know if they have whether they have overlapping products or not. Because of this we have decided to use the only Trendyol's data for now. We decided we can integrate Hepsiburada's data to our system later if they

have overlapping products. But this will require non-automated scraping since both sites have different barcoding systems for their products.

- The data we have doesn't contain many features but as we have discussed with our supervisor last week we don't need them because non-numeric features in ML/DL models create problem when training models.
- The data from trendyol and hepsiburada will be either stored seperately or with identifying tags in the database to reach them seperately later on. This will reduce inconsistencies later on
- We have seen that the data given to has 66 different products in it and they are mostly unrelated (one of them was a book and the other was a cleaning robot) because of this we can not create a single model for all the data. In the future we will check by hand if there are similar products or not.
- Now that we have decided we will not use non-numeric features of products in our models we also have to revise our scraper.
- The other tasks, such as front end, are proceeding unchanged.