1. Algorithms for web scrapping of multiple job posting pages (staff.am, job.am, jobs.am, etc.) and running the algorithms monthly while maintaining the codes. (ongoing)
2. Algorithms for automating the cleaning of multiple datasets (individual projects), detecting and correcting (or removing) corrupt or inaccurate records from a record set, and identifying incomplete, incorrect, inaccurate or irrelevant parts of the data and then replacing, modifying, or deleting the dirty or coarse data, also transforming raw data into an understandable format. Real-world data is often incomplete, inconsistent, and/or lacking in certain behaviors or trends, and is likely to contain many errors. Data preprocessing prepares raw data for further processing. This includes but not exclusive to, scrapped data, trade map, import and export of Armenia, and so on.
3. Algorithms for automating the visualization of multiple datasets (individual projects) ) including but not exclusive to import and export of Armenia, GDP\_PPP of countries, and so on.
4. Seven Machine learning Algorithm for prediction of Total industry of Armenia, 99% accuracy for algorithms without lag and 94% accuracy for1 month lag.
   1. For the forecasting of Armenia’s total industry and export, first the data was cleaned and prepared to be trained by models. The models were, hault-winters model, ARIMA model where the AR and MA where chosen by carefully examining and multiple tests. Seasonal ARIMA model where the SAR and SMA where chosen by the state of the art technologies, and another SARIMA model where SAR and SMA where chosen by a loop over all possible choices and best choices where chosen by a series of tests. The model with the least error was chosen