# **Data Science Projects**

1. [ARIMA modelling on Stock Prices](https://github.com/sagarrathi/Projects/tree/master/Arima modeling on Stock Prices)
   * ARIMA modelling in story mode.
   * Indicator: IDFC Bank (NSE)
   * Under The Guidance of professor: [Sarveshwar Kumar Inani](https://www.linkedin.com/in/sarveshwar-kumar-inani-635a9332/)
2. Collecting data for IPL(Indian Premier Leauge) Dashboard
   * Want to bid for IPL players? This project will help you.
   * Use this project to download image of every cricketer available in "espncricinfo.com".
   * For our project images of around 700 Cricketers were obtained 10 minutes.
   * Tableau Link: [https://public.tableau.com/profile/rathi108#!/vizhome/IPLDashBoard/IPLStory](https://public.tableau.com/profile/rathi108" \l "!/vizhome/IPLDashBoard/IPLStory)
3. [Finding Similar Cities to Migrate](https://github.com/sagarrathi/Projects/tree/master/Finding Similar Cities to Migrate)
   * A simple Recommender system for inter-city migration. Based on data from foursquare API.
   * Live Project: <https://sagarrathi.github.io/>
4. [Granger Causality GDP vs Electricity Consumption](https://github.com/sagarrathi/Projects/tree/master/Granger Causality GDP vs Electricity Consumption)
   * Solving the chicken and egg problem of whether GDP leads to electrical power consumption or it is another way round. The hypothesis is based on previous research.
5. [Investigation into The Efficacy of High Frequency Trading Prediction](https://github.com/sagarrathi/Projects/tree/master/Investigation into The Efficacy of High Frequency Trading Prediction)
   * Does the daily stock price depend on quarterly financial ratios?
   * We tried to find whether markets are imperfect given sufficient amount of data.
   * Under the guidance of professor: [Dr Chitrakalpa Sen](https://www.linkedin.com/in/chitrakalpa-sen-7666467/)
6. [Predictive Data Analysis Submissions](https://github.com/sagarrathi/Projects/tree/master/Predictive Data Analysis Submissions)
   * Various Assignment on Statistical concept modelled using python.
   * Many new libraries were created along the submission.
   * Under the Guidance of professor: [Dr. Krishan Kumar Pandey](https://www.linkedin.com/in/dr-krishan-kumar-pandey-02790514/)
7. [Red Wine Analysis Using R](https://github.com/sagarrathi/Projects/tree/master/Red Wine Analysis Using R)
   * Analysing the quality of red wine and finding ways to improve it using statistics and R.
   * Under The Guidance of professor: [Sarveshwar Kumar Inani](https://www.linkedin.com/in/sarveshwar-kumar-inani-635a9332/)
8. [Website Scraping of csrbox website](https://github.com/sagarrathi/Projects/tree/master/Website Scraping of csrbox website)

* Scraping all data available in website csrbox.com.