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**Assignment 2**

## Housing Information Pool

Here in United States we have more than one website where all the listings which are available to rent, buy or to lease. So, scraping the data from all the websites and building a pipeline to streamline all the data based on the neighborhood, city, and state wise will give the analyst to deduce how the market is behaving and can decide out of the analysis. This would be future and have a tremendous profit as it gives the insight of the current market value and its predictable value. By this application beneficiaries list is very huge as this can be used by any person who wants to buy or rent, or who wants to invest himself in real estate market etc. there are already websites which does all the above said things but the limitation here is their analysis is on the data which they have and there are some websites who has exclusive information and without all the information the analysis would be impacted.

## Console less Gaming (Stadia)

Gaming is a very huge industry and indeed one of the most profitable in the world. As we know the gaming isn’t cheap as one has to pay for the console, or powerful personal gaming computer where we need to update the hardware every now and then apart from the cost of actual game. So, the **console less gaming** platform is something which reduces the burden of gamers or any individual who wants to play without investing on building a gaming computer or buying a console. This is well executed by the STADIA where the beta test on this went well and this is now available to the users to subscribe. The subscriber just needs a browser and stable internet connection to play the game. I feel this would be the one of the prospects which have great future because of the idea behind it. The beneficiaries of this would be any person who wants to play and doesn’t want to buy a console, gaming companies who can trade with the Stadia and so on.

## Big Data

As the world came to know that the data is the future, each company started collecting the data and when it comes to gathering data no matter if it’s relevant or non-relevant industries prefer to store it. And when storing the large amount of data cannot be easily handled by the conventional Relational Database Management System as the data mostly be non-normalized way that’s where Big data comes into picture where storing large amount of non-normalized data. This is already hottest technology and it is widely used everywhere. The usage of big data is everywhere where the data is huge in size and growing exponentially or when the data is structured or non-structured or semi structured. By this technology as of now all the tech giants like Facebook, Amazon google are making use of it and there are many other companies who are using big data. The only improvement I feel with the bigdata is the improving its performance.

## Robotics

Most of the repetitive works are now carried out using the machines these days from manufacturing smallest screws to building a aircraft; everything is built by making use of the Machines. By programming the machines on how to perform the job will eliminate any human error and increases the productivity by 1000-fold. As we are moving towards the time where waiting is not preferred Robotics comes in to picture and I don’t see the eliminating or reducing the usage of machines in the work force. Every company wants to automate their process just to avoid the error and speed up the process. By this technology almost everyone is benefitting directly or indirectly. Improvements in the field of robotics can be made as its still growing and there is room for progress like machines able to do much more than the certain jobs without having computation of their own. Some companies already started building the Robots with AI built in it.