* What is Data Science?

There are many definitions for Data science. According to the Data Science Association professional code of conduct, “Data Science” means using scientific methods to liberate and create meaning from raw data. Most Commonly Data Science is an interdisciplinary course that uses a Combination of Statistical, programming, and other domain skill to make sense of raw data. in other words, data science is the data collection, management, processing, analysis, visualization, and interpretation of data to make it understandable. Nowadays data is playing a very crucial role in the business world. most IT giants like Google amazon are depending on the data. For various purposes like ads, search optimization, product recommendations…. Data science and analysis techniques are used to provide the best results. every day there is millions of data are generated in fact in the USA alone, more than 300 million People Use smartphones. this alone generates a Ginormous amount of data per day. With the help of data science and its domain skills, we can able to work with large sets of data. data Science is a refined form of Applied Statistics. Many statisticians argue that Data science is a Rebranding of Statistics. And many articles were written about the relevance between data science and statistics as well as an irrelevance. But in my opinion data science is one of the branches of Statistics with programming and Domin Knowledge. Data Science uses past recorded data to predict future outcomes. For example, daily weather updates, data science analysis techniques are mostly used in these weather updates to Predict the Temperature of upcoming days. Nowadays data science was widely used in different industries like Sports, Marketing, Stocks Predictions, Airlines, and many other industries. Once Southwest Airlines saved millions of dollars by simply reducing their ideal time on the tarmac this was only possible with the help of data scientists & analysts. and there are many situations where data analysts and scientists help the business with the help of analyzing the previously recorded data.