Program Exit Assessment

I’m choosing the third hand-in I submitted for this Program Exit Assessment (PEA). This hand-in was about statistics, or more precisely, an introduction on how to interpret and visualize different types of data. This topic is the foundation for most of Data Science. According to Oracle, a major tech company, Data science is a multi-disciplinary field that combines, among other things, the scientific method, math, statistics and, of course, data analysis to derive actionable insights based on data collected from a variety of sources including but not limited to, web devices, smartphones customers and sensors1. In other words, Data Science is about using data sets to gather information about whatever question we are asking to make better informed decisions. Data scientists, those who practice Data Science, can, among other things, use existing data sets to correlate different pieces of data or even create entirely new data sets to help resolve a business problem. The products of Data Science allow marketing, sales and even R&D to better understand the need of the business. The material we saw in this class relates mostly to the statistics component of data science (it was in fact a class on its own called statistics for computer science beforely), which is fundamental to data scientists, as statistics allow them to interpret the data without which said science is nothing. Not only that, being able to identify outliers and knowing how to model data allows a good data scientist to clean and perform much deeper analysis on the data. A big media corporation I follow (Linus Media Group) is actually looking to hire a data scientist2. The job description talks about using existing data sets and work on data gathering to test theories and interpret data. Good understanding of statistics most certainly is a very important asset for this position, as statistics is literally the branch of mathematics dealing with the collection, analysis, interpretation, and presentation of masses of numerical data3. The duties for this position include data gathering, cleaning, analysis, and interpretation, for which the material we saw is essential to, especially when it comes to analysis and interpretation. The video where the CEO of Linus Media Group, Linus G Sebastien and the COO of floatplane, Luke Lafreniere explain the positions4 for which they are hiring doesn’t say much about the data scientist position, probably to protect the business, but it’s fair to assume the person applying to this job will perform a variety of activities involving Data Science to solve business problems. Linus Media Group being mostly a media about technology, I would expect the data scientist they hire to help with the analysis of the actual data that comes from various hardware tests. This person will also most likely help the merch development team by analysing purchase trends as well as the affiliate coordinator by providing helpful data to affiliated businesses.

# References

1Oracle talking about data science: <https://www.oracle.com/data-science/what-is-data-science/>

2Linus Media Group wants to hire a data scientist: <https://linusmediagroup.com/jobs> (the data scientist posting is at the bottom of the page)

3Merriam-Webster defining statistics: <https://www.merriam-webster.com/dictionary/statistics>

4Linus Media Group is hiring: <https://youtu.be/pt3-6BsWlPk>

# Annex

(in case the position I included does not exist when you mark this assignment, I posted a screenshot of it) Graphical user interface, text, application

Description automatically generated