DataLab: Creaitve brief

Goals,

Describe the main tasks, skills, and responsibilities of a data scientist

Fill in your Work Log and Learning Log, and understand its purpose

4. A Day in a life of…

4.2a data scientist job description and identify the required skills and responsibilities.

As a data scientist you’ll deal with all aspects of a project from knowing what’s important to the business, to collecting data from a multitude of different data sources, organizing the information, translating the results into solutions (analysis), and finally to data visualization and presentations. A data scientist can offer insights on the best solutions for a specific project while uncovering larger patterns and trends in the data. Moreover, companies often charge data scientists with researching and developing new algorithms and approaches. (In larger companies, team leads are often data scientists because their skill set allows them to oversee other employees with specialized skills while guiding a project from start to finish)

Data scientists are typically curious and result-oriented, with exceptional industry-specific knowledge and communication skills that allows them to explain highly technical results to their non-technical counterparts.

Possess a strong quantitative background in statistics and linear algebra as well as programming knowledge with the focuses in data warehousing, mining, and modeling to build and analyze algorithms. Skills include also include R, Python, Apache Hadoop, MapReduce, Apache Spark, NoSQL databases, Cloud computing, D3, Apache Pig, Tableau, iPython notebooks, GitHub, etc

Day in a life as a data scientist (Google)

* 9:00 AM – Team huddle for the distribution of the task.
* 9:30 AM – Explore and go in-depth with the data analysis: refine models, crunch numbers, and test new algorithms.
* Noon – Lunch break
* 1:00 PM – Meeting with stakeholders to discuss insights and recommendations.
* 3:00 PM – Work on data visualization, and preparing reports.
* 4:30 PM – collaborate with engineering team to implement new features.
* 6:00 PM – Wind up for the day.