July 1, 2020

**Thinkful: Data Science vs Data Analytics**

The following seminar discussed the difference in career positions in the two growing and popular fields. It was helpful to confirm my current understanding of the field.

Data Analyst

Role: Compress large amounts of data to generate insights

Requirements

* Critical Thinking
* Spreadsheets
* Business Intelligence
* SQL
* Coding

Data Scientist

Role: Similar to Data Analyst (who also are data scientists) but work further down the pipeline and focus on predictions

Requirements:

* Programming skills
* Ability to understand analytical functions
* Critical thinking skills
* Communication
* Affinity for statistics

Positions:

* Data Scientist
* Data Engineer
* ML Engineer
* Data developer

Common backgrounds:

* Graduate degree
* Engineering/programming experience with passion for data
* Want to detect signal in the noise
* Super analyst

Data science pipeline:

* Form Question
* Collect raw data
* Explore the data
* Build a model/Rules that allow you to build a model
* Communicate results