Lab 1 – The Data Science Life Cycle

List the individual(s) in your own organization who might fill in each role

1. You (the Data Scientists/Machine Learning Engineer)
2. Project Sponsor
3. Project Stakeholders
4. Data Engineer(s)
5. SME (Subject Matter Expert)
6. Data (base) administration
7. IT DevOps
8. Customers

Can you think of any others?

For each step describe in your own words what it entails, then from your list above, put in the provider (who is responsible to complete this step) and the customer (who is the recipient of and signs off on the effort).

Step What it Entails Provider Customer

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| --- | --- | --- | --- |
| Business Understanding |  |  |  |
| Data Gathering |  |  |  |
| Data Examination |  |  |  |
| Data Cleaning |  |  |  |
| Data Exploration/Analysis |  |  |  |
| Feature Engineering |  |  |  |
| Modeling |  |  |  |
| Model Evaluation |  |  |  |
| Model Deployment |  |  |  |
| Results Visualization |  |  |  |
| Retraining/redeployment |  |  |  |