**IBM Data Science Notes**

# Data Science Methodology Stages

1. Business Understanding
2. Analytic Approaches
3. Data Requirements
4. Data Collection
5. Data Understanding
6. Data Preparation
7. Modeling
8. Evaluation
9. Deployment
10. Feedback

## Data Science Methodology Questions

1. Define the issue.
2. Determine your approach
3. What data do you need to answer the question?
4. Where is the data source from, and how will you receive the data?
5. Does the data collected represent the problem?
6. What additional work is required to manipulate and work with the data?
7. When you apply data visualizations, do you see answers that address the business problem?
8. Does the data model answer the initial business question, or must you adjust the data?
9. Can you put the model into practice?
10. Can you get constructive feedback from the data and the stakeholder to answer the business question?

#### Business Understanding

Understand and define the goals at the start of the project.

1. Define
2. Understand
3. Objectives
4. Engagement

#### Analytic Approach

Based on the goals and types of problems to be addressed.

#### Data Requirements

What data is required to solve the problem?

#### Data Collection

Collect the data and determine if you have what you need.