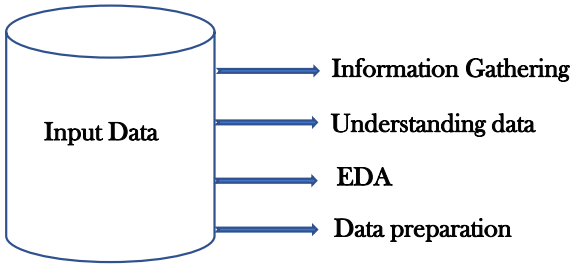
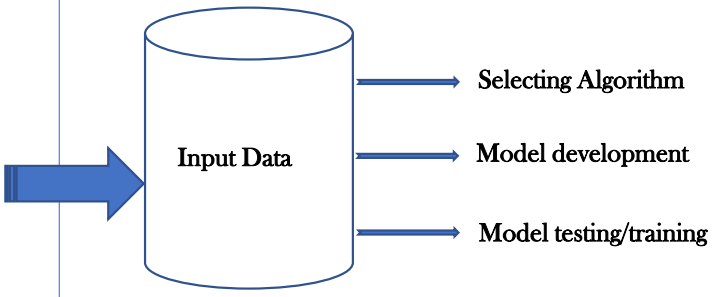
NO LATENCY

ML Model Lifecycle

Phase 1



Phase 2



Phase 3

- Model deployment
- Model serving/inference
- Performance monitoring
- Hyperparameter tuning
- Model re-training/deployment
- Model rollback / versioning

NO LATENCY

ML Model – App Engine

- Model deployment using Scikit-learn
- Data Validation
- Training
- Scheduling works for re-training
- Model serving using flask

NO→LATENCY

GAE – Machine Learning

Problem Statement :

Given the input data , develop a ML model that predicts if a person will click on the advertisement or not . Output variable is a yes or no / 1 or 0

Solution Overview :

1 : Model training / development :

1. Read the input data from GCS Bucket
2. Use scikit-learn's Logistic Regression Algorithm
3. Train the model
4. Deploy the model to GCS Bucket

2 : Model Serving / Inference Layer :

1. Load the Model by reading it from GCS Bucket
2. Serve predictions by accepting input parameters
3. Logging the steps

NO→LATENCY

GAE – Model Training

- **Model training / development :**

1. Read the input data from GCS Bucket
2. Use scikit-learn's Logistic Regression Algorithm
3. Train the model
4. Deploy the model to GCS Bucket

- **Model Serving / Inference Layer :**

1. Load the Model by reading it from GCS Bucket
2. Use scikit-learn's Logistic Regression Algorithm
3. Train the model
4. Deploy the model to GCS Bucket