why python?

Easy to Learn and readable.

Business understanding,

data ,,

data preparation

Modelling

Evaluation

Deployment

Business undestanding

1.Business objectives

understand what you want to accomplish

2.Accessing the current situation

check your inventory of resources,requirements

3.Data mining goals

Determine Success criteria,mining success criteria,the project plan

Data Understanding

1.Initial data collection

List the data sources

Data DDescription report

format of the data Json,Xml

Explore the data

addresssing data mining questons,data visualization

c.DATA PREPARATIONS

1.clean the Data

this involves checking for outliers,anomalies,missing data,incorrect spelling.

2.construct required data

adding new columns,manipulating that assist in modelling

3.Integrating data

Merge data if you had two or more tables that have different info about the same objects.

MODELLING

1.Techniques

involves settling on the model you will be using.

2.Assumptions

Find out assumptions for the particular model you will be using

3.Generate the test design

Plan how you will be dividing the dataset into train,test and validation set.

4.Model Assessment

summarise the results of your models using the appropriate metrics.

F1 score

Recall

5.Hyper parameter tuning

revise your parameters and tune them for a re-run.

EVALUATION

Assessment

summarise assessment in terms of business

criteria

2.Review process

Summarise the process review and check out on overlooked points.And those that should be repeated.

3.Determine the next steps

DEPLOYMENT

1.Plan deployment

2.Plan monitoring

plan monitoring and maintenance strategy

3.final report