**E-R Diagram**

deployment

modelling

Data gathering

understanding

Pre-processing

**Use Case Diagram**

Time\_stamp\_diff

test\_names

finished

started

Proj\_id like ‘%p60’

Proj\_id

Test\_runs

tasks

tests

Yes

No

Represent the data in human readable format

Output from model/s

Data Processing

Fitting the data into

model/s

Store it separately

Is data usable?

Preparing data for

further processing

Understanding data

& requirements

Data gathering

**Activity Diagram**

Stat Ops

DM Techniques

Database

User

M Learning

Get & store Data

Stored

Recognize pattern

Perform StatOps

Apply ML Algo

Visualize result

**Sequence Diagram**

1: getDataFromDB()

: User

3: apply ML()

2: performStatOps()

: Apply ML algo

: writeToDict

: statOps

4: represent the data()

Comment here

: Visualization

**Collaboration Diagram**

StatOps

- readDataFromCSV

- dictFromCSV

- dataToCSV

+ getDataFromCVS()

+ performStatOps()

+ writeDataToCSV()

Get Data

- connection

- sql\_query

- dataFromDB

- dataToDict

- dataToCSV

1 1

+ getDataFromDB()

+ storeDataToDict()

+ storeDataToCSV()

1

1

plot

- readDataFromCSV

- testNames

- testMean

- dictAll

- annotText

- getPosition

- test

+ getDataFromCVS()

+ applyMLAlgo()

+ scatterData()

+ update\_annote()

+ show()

+ writeDataToCSV()

**Class Diagram**