**Average age of male and female who died**

**1. Average\_data = load '/user/acadgild/Desktop/titanicdata' using PigStorage(',') as (pid:int, sid:int, pclass:int, name:chararray, sex:chararray, age:int, sibsp:int, parch:int, ticket:chararray, fare:chararray, cabin:chararray, embarked:chararray);**

**//line 1 will load the dataset into the pigstorage.**

**2.Filter\_Dead = filter Average\_data by sid==1;**

**//line 2 will filter the records containing only survival id 1 which means who are dead.**

**3.filter\_male = filter Filter\_Dead by sex == 'male';**

**//line 3 will filter the records of Filter\_Dead containing only gender male.**

**4.filter\_female = filter Filter\_Dead by sex == 'female';**

**//line 4 will filter the records of Filter\_Dead containing only gender female.**

**5.group\_filter\_male = group filter\_male all;**

**//line 5 will group the filter\_male respect to all columns.**

**6.group\_filter\_female = group filter\_female all;**

**//line 6 will group the filter\_female respect to all columns.**

**7.A\_male = foreach group\_filter\_male generate AVG(filter\_male.age);**

**//line 7 will iterate through the records of grouped data to find the average age of male.**

**8.A\_female = foreach group\_filter\_female generate AVG(filter\_female.age);**

**//line 8 will iterate through the records of grouped data to find the average age of female.**

**9.dump A\_male;**

**//line 9 will display the result ie average age of male who died.**

**C:\Users\sadhana1\AppData\Local\Temp\Rar$DIa0.786\maleAvgAge.JPG**

**10.dump A\_female;**

**//line 10 will display the result ie average age of female who died.**

**C:\Users\sadhana1\AppData\Local\Temp\Rar$DIa0.730\femaleAvgAge.JPG**

**To find dead count and survive count**

**1.Count\_data = load '/user/acadgild/Desktop/titanicdata' using PigStorage(',') as(pid:int, sid:int, pclass:int, name:chararray, sex:chararray, age:int, sibsp:int, parch:int, ticket:chararray, fare:chararray, cabin:chararray, embarked:chararray);**

**//line 1 will load the dataset into the pigstorage.**

**2.Filter\_dead = filter Count\_data by sid == 1;**

**//line 2 will filter the records containing only the data of people who died.**

**3.Filter\_survived = filter Count\_data by sid == 0;**

**//line 3 will filter the records containing only the data of people who survived.**

**4.group\_dead = group Filter\_dead by pclass;**

**//line 4 will group the filtered data of dead by all columns.**

**5.group\_survived = group Filter\_survived by pclass;**

**//line 5 will group the filtered data of survived by all columns.**

**6.Count\_dead = foreach group\_dead generate COUNT(Filter\_dead);**

**//line 6 will iterate through the grouped records to count the number of dead.**

**7.Count\_survived = foreach group\_survived generate COUNT(Filter\_survived);**

**//line 7 will iterate through the grouped records to count the number of survived.**

**8.dump Count\_dead;**

**//line 8 will display the count of number of people died.**

**C:\Users\sadhana1\AppData\Local\Temp\Rar$DIa0.381\deadcount.JPG**

**9.dump Count\_survived;**

**//line 9 will display the count of number of people survived.**

