Assignment 3 - Spark script

Name: Tim Gras Studentnumber: 630259

Github URL => https://github.com/dantim1997/PDP-Assignments-

630259/tree/main/Assignment%203

Setup

I could not run this script on Hadoop so I runed it locally in my pc with this tutorial:

https://phoenixnap.com/kb/install-spark-on-windows-10

To run the code, install a following this tutorial.

Make sure to have spark running.

Run the file Assignment_3.py.

execute

Run the file Assignment_3.py to execute the code.

Information

The script searches gets the information about the titanic.

In assignment A it will look which group on average survived based on the class they were in.

In assignment B it will look for the probability a child survived based on age and class.

In assignment C it will look for the average fare the different classes payed

The script itself has the code explanation.

GitHub

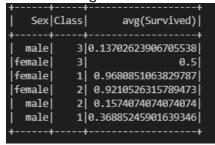
Assignment 3.py This is the script that will be used to look at all the assignments A trough C.

Assignment 3.docx This is the documentation.

Result.jpg the results of the script in a jpg format.

Result:

Result for assignment A:



Result for assignment B:

probability that a child in the third class will survive: 41.509433962264154

Result for assignment C:

```
| Class | avg(PayedFare) |
| +----+
| 1 | 84.15468752825701 |
| 3 | 13.707707501045244 |
| 2 | 20.66218318109927 |
| +----+
```