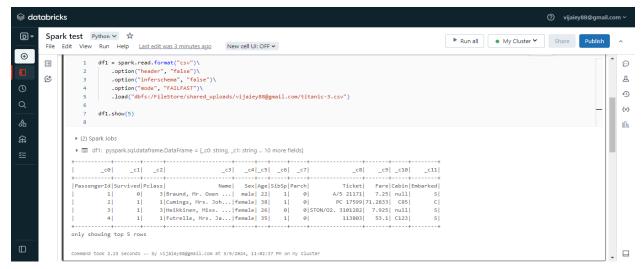
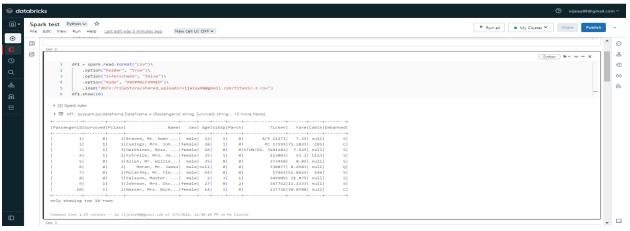
1. READ THE DATASET IN DATABRICKS COMMUNITY

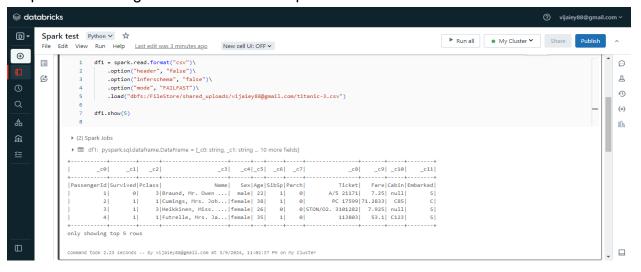


2. HOW MANY TYPES OF MODES WE HAVE IN SPARK?

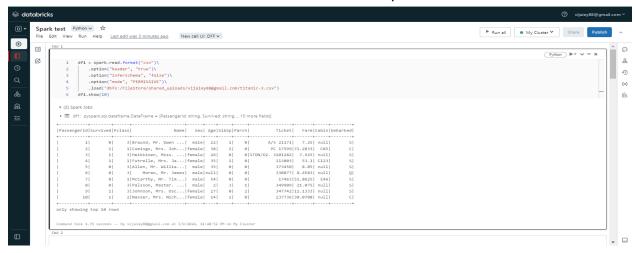
Failfast: Throws an error when it meets corrupted records.



Dropmal formed: Ignores the whole corrupted records



Permissive: Set other fields to null when it meets corrupted records.



3. WHAT IS CLUSTER IN SPARK?

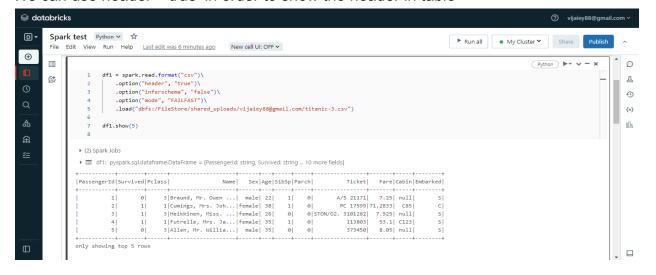
A Spark cluster is a group of machines that run Apache Spark, a big data processing engine. It consists of a driver, executors, and a cluster manager that work together to complete tasks.

4. WHAT IS TABLE IN SPARK?

Table in spark is a collection of rows and columns that are stored as data files. In spark dataframe resembles this type of format which contains data in rows and columns(structured).

5. WHAT WOULD YOU DO IF YOU WANT TO SHOW THE HEADER WHILE SHOWING UP 5 RECORDS OF TABLE? WRITE THE CODE

We can use header - 'true' in order to show the header in table



6. WHAT IS COUNT? PERFORM IN SPARK

Count is the function to calculate the number of records in a table



7. WHAT IS GROUP BY? PERFORM IN SPARK

Groupby is used to separate records based on similarities

