```
from pyspark.sql import SparkSession
```

```
spark = SparkSession.builder.appName('Big Data Analysis').getOrCreate()
```

```
spark
```

SparkSession - in-memory

SparkContext

Spark UI

Version
v3.5.1
Master
local[*]
AppName
Big Data Analysis

```
df = spark.read.csv('/content/Car_Purchasing_Data.csv',header=True,inferSchema=True)
```

Display Top 3 Rows in from the dataset

```
df.show(3)
```

```
+---------------+--------------------+-------+------+---+-------------+---------------+-----------+-------------------+
|  Customer Name|     Customer e-mail|Country|Gender|Age|Annual Salary|Credit Card Debt|  Net Worth|Car Purchase Amount|
+---------------+--------------------+-------+------+---+-------------+---------------+-----------+-------------------+
|  Martina Avila|cubilia.Curae.Pha...|    USA|     0| 42|  62812.09301|     11609.38091|238961.2505|        35321.45877|
|  Harlan Barnes| eu.dolor@diam.co.uk|    USA|     0| 41|  66646.89292|     9572.957136|530973.9078|        45115.52566|
|Naomi Rodriquez|vulputate.mauris....|    USA|     1| 43|  53798.55112|     11160.35506|638467.1773|        42925.70921|
+---------------+--------------------+-------+------+---+-------------+---------------+-----------+-------------------+
only showing top 3 rows
```

Display Datatype of each column

```
df.printSchema()
```

```
root
 |-- Customer Name: string (nullable = true)
 |-- Customer e-mail: string (nullable = true)
 |-- Country: string (nullable = true)
 |-- Gender: integer (nullable = true)
 |-- Age: integer (nullable = true)
 |-- Annual Salary: double (nullable = true)
 |-- Credit Card Debt: double (nullable = true)
 |-- Net Worth: double (nullable = true)
 |-- Car Purchase Amount: double (nullable = true)
```

Display Column Names

```
df.columns
```

```
['Customer Name',
 'Customer e-mail',
 'Country',
 'Gender',
 'Age',
 'Annual Salary',
 'Credit Card Debt',
 'Net Worth',
 'Car Purchase Amount']
```

count No Of Rows & Columns Of The Dataset

```
df.count()
```

```
500
```

```
len(df.columns)
```

```
9
```

Get Overall Statistics About The Dataset

```
df.describe().show()
```

```
+-------+-------------+--------------------+-------+------------------+-----------------+------------------+------------------+----
|summary|Customer Name|     Customer e-mail|Country|            Gender|              Age|     Annual Salary|  Credit Card Debt|
+-------+-------------+--------------------+-------+------------------+-----------------+------------------+------------------+----
|  count|          500|                 500|    500|               500|              500|               500|               500|
|   mean|         NULL|                NULL|   NULL|             0.506|           46.224|62127.239607559975| 9607.645048629205|4314
| stddev|         NULL|                NULL|   NULL|0.5004647139007097|7.990338855772024|11703.378227774127|3489.1879728381996|1735
|    min| Abel Stanton|Aenean.gravida@mi...|    USA|                 0|               20|           20000.0|             100.0|
|    max|     Zephania|vulputate.mauris....|    USA|                 1|               70|          100000.0|           20000.0|
+-------+-------------+--------------------+-------+------------------+-----------------+------------------+------------------+----
```

Find Unique Values Available In the Gender Column

```
df.toPandas()['Gender'].unique()
```

```
array([0, 1], dtype=int32)
```

Find Total No Of Unique Values Available In the Gender Column

```
len(df.toPandas()['Gender'].unique())
```

```
2
```

How Select Single Column ?

```
df.show()
```

```
+---------------+--------------------+-------+------+---+-------------+---------------+-----------+-------------------+
|  Customer Name|     Customer e-mail|Country|Gender|Age|Annual Salary|Credit Card Debt|  Net Worth|Car Purchase Amount|
+---------------+--------------------+-------+------+---+-------------+---------------+-----------+-------------------+
|  Martina Avila|cubilia.Curae.Pha...|    USA|     0| 42|  62812.09301|     11609.38091|238961.2505|        35321.45877|
|  Harlan Barnes| eu.dolor@diam.co.uk|    USA|     0| 41|  66646.89292|     9572.957136|530973.9078|        45115.52566|
|Naomi Rodriquez|vulputate.mauris....|    USA|     1| 43|  53798.55112|     11160.35506|638467.1773|        42925.70921|
|Jade Cunningham|malesuada@digniss...|    USA|     1| 58|  79370.03798|     14426.16485|548599.0524|        67422.36313|
|   Cedric Leach|felis.ullamcorper...|    USA|     1| 57|   59729.1513|     5358.712177|560304.0671|        55915.46248|
|   Carla Hester|  mi@Aliquamerat.edu|    USA|     1| 57|  68499.85162|     14179.47244|428485.3604|        56611.99784|
| Griffin Rivera|   vehicula@at.co.uk|    USA|     1| 47|    39814.522|     5958.460188|326373.1812|        28925.70549|
|     Orli Casey|nunc.est.mollis@S...|    USA|     1| 50|  51752.23445|     10985.69656|629312.4041|        47434.98265|
|   Marny Obrien|Phasellus@sedseme...|    USA|     0| 47|   58139.2591|     3440.823799|630059.0274|         48013.6141|
|  Rhonda Chavez|     nec@nuncest.com|    USA|     1| 43|  53457.10132|     12884.07868|476643.3544|        38189.50601|
|    Jerome Rowe|ipsum.cursus@dui.org|    USA|     1| 50|  73348.70745|     8270.707359|612738.6171|        59045.51309|
|   Akeem Gibson|turpis.egestas.Fu...|    USA|     1| 53|  55421.65733|     10014.96929|293862.5123|        42288.81046|
|     Quin Smith|     nulla@ipsum.edu|    USA|     0| 44|   37336.3383|     10218.32092|430907.1673|         28700.0334|
|     Tatum Moon|Cras.sed.leo@Sedd...|    USA|     0| 48|  68304.47298|     9466.995128|420322.0702|        49258.87571|
|  Sharon Sharpe|eget.metus@aaliqu...|    USA|     0| 55|  72776.00382|     10597.63814|146344.8965|        49510.03356|
|Thomas Williams|aliquet.molestie@...|    USA|     1| 53|  64662.30061|     11326.03434|481433.4324|        53017.26723|
|  Blaine Bender|ultrices.posuere....|    USA|     0| 45|  63259.87837|     11495.54999|370356.2223|        41814.72067|
|Stephen Lindsey|erat.eget.ipsum@t...|    USA|     1| 48|  52682.06401|     12514.52029|549443.5886|        43901.71244|
|    Sloane Mann|  at.augue@augue.net|    USA|     1| 52|  54503.14423|     7377.820914|431098.9998|        44633.99241|
|    Athena Wolf|volutpat.Nulla.fa...|    USA|     0| 59|  55368.23716|     13272.94647|566022.1306|        54827.52403|
+---------------+--------------------+-------+------+---+-------------+---------------+-----------+-------------------+
only showing top 20 rows
```

```
df.select('Customer Name').show()
```

```
+---------------+
|  Customer Name|
+---------------+
|  Martina Avila|
|  Harlan Barnes|
|Naomi Rodriquez|
|Jade Cunningham|
|   Cedric Leach|
|   Carla Hester|
| Griffin Rivera|
```

```
|     Orli Casey|
|   Marny Obrien|
|  Rhonda Chavez|
|    Jerome Rowe|
|   Akeem Gibson|
|     Quin Smith|
|     Tatum Moon|
|  Sharon Sharpe|
|Thomas Williams|
|  Blaine Bender|
|Stephen Lindsey|
|    Sloane Mann|
|    Athena Wolf|
+---------------+
only showing top 20 rows
```

How To Select Multiple Column ?

```
df.select(['Customer Name','Gender']).show()
```

```
+---------------+------+
|  Customer Name|Gender|
+---------------+------+
|  Martina Avila|     0|
|  Harlan Barnes|     0|
|Naomi Rodriquez|     1|
|Jade Cunningham|     1|
|   Cedric Leach|     1|
|   Carla Hester|     1|
| Griffin Rivera|     1|
|     Orli Casey|     1|
|   Marny Obrien|     0|
|  Rhonda Chavez|     1|
|    Jerome Rowe|     1|
|   Akeem Gibson|     1|
|     Quin Smith|     0|
|     Tatum Moon|     0|
|  Sharon Sharpe|     0|
|Thomas Williams|     1|
|  Blaine Bender|     0|
|Stephen Lindsey|     1|
|    Sloane Mann|     1|
|    Athena Wolf|     0|
+---------------+------+
only showing top 20 rows
```

Creating A New Column With Marks + 1 And Also Updating existing DataFrame

```
df = df.withColumn('New_Annual Salary',df['Annual Salary']+1000)
```

```
df.show()
```

```
+---------------+--------------------+-------+------+---+-------------+---------------+-----------+------------------+----------
|  Customer Name|     Customer e-mail|Country|Gender|Age|Annual Salary|Credit Card Debt|  Net Worth|Car Purchase Amount|New_Annual
+---------------+--------------------+-------+------+---+-------------+---------------+-----------+------------------+----------
|  Martina Avila|cubilia.Curae.Pha...|    USA|     0| 42|  62812.09301|     11609.38091|238961.2505|        35321.45877|     63812
|  Harlan Barnes| eu.dolor@diam.co.uk|    USA|     0| 41|  66646.89292|      9572.957136|530973.9078|        45115.52566|     67646
|Naomi Rodriquez|vulputate.mauris....|    USA|     1| 43|  53798.55112|     11160.35506|638467.1773|        42925.70921|     54798
|Jade Cunningham|malesuada@digniss...|    USA|     1| 58|  79370.03798|     14426.16485|548599.0524|        67422.36313|     80370
|   Cedric Leach|felis.ullamcorper...|    USA|     1| 57|   59729.1513|     5358.712177|560304.0671|        55915.46248|      6072
|   Carla Hester|  mi@Aliquamerat.edu|    USA|     1| 57|  68499.85162|     14179.47244|428485.3604|        56611.99784|     69499
| Griffin Rivera|   vehicula@at.co.uk|    USA|     1| 47|    39814.522|     5958.460188|326373.1812|        28925.70549|       408
|     Orli Casey|nunc.est.mollis@S...|    USA|     1| 50|  51752.23445|     10985.69656|629312.4041|        47434.98265|     52752
|   Marny Obrien|Phasellus@sedseme...|    USA|     0| 47|   58139.2591|     3440.823799|630059.0274|         48013.6141|      5913
|  Rhonda Chavez|     nec@nuncest.com|    USA|     1| 43|  53457.10132|     12884.07868|476643.3544|        38189.50601|     54457
|    Jerome Rowe|ipsum.cursus@dui.org|    USA|     1| 50|  73348.70745|     8270.707359|612738.6171|        59045.51309|     74348
|   Akeem Gibson|turpis.egestas.Fu...|    USA|     1| 53|  55421.65733|     10014.96929|293862.5123|        42288.81046|     56421
|     Quin Smith|     nulla@ipsum.edu|    USA|     0| 44|   37336.3383|     10218.32092|430907.1673|         28700.0334|      3833
|     Tatum Moon|Cras.sed.leo@Sedd...|    USA|     0| 48|  68304.47298|      9466.995128|420322.0702|        49258.87571|     69304
|  Sharon Sharpe|eget.metus@aaliqu...|    USA|     0| 55|  72776.00382|     10597.63814|146344.8965|        49510.03356|     73776
|Thomas Williams|aliquet.molestie@...|    USA|     1| 53|  64662.30061|     11326.03434|481433.4324|        53017.26723|     65662
|  Blaine Bender|ultrices.posuere....|    USA|     0| 45|  63259.87837|     11495.54999|370356.2223|        41814.72067|     64259
|Stephen Lindsey|erat.eget.ipsum@t...|    USA|     1| 48|  52682.06401|     12514.52029|549443.5886|        43901.71244|     53682
|    Sloane Mann|  at.augue@augue.net|    USA|     1| 52|  54503.14423|     7377.820914|431098.9998|        44633.99241|     55503
|    Athena Wolf|volutpat.Nulla.fa...|    USA|     0| 59|  55368.23716|     13272.94647|566022.1306|        54827.52403|     56368
+---------------+--------------------+-------+------+---+-------------+---------------+-----------+------------------+----------
only showing top 20 rows
```

Rename Customer_Name Column And Give New Name "Name"

```
df.columns
```

```
['Customer Name',
 'Customer e-mail',
 'Country',
 'Gender',
 'Age',
 'Annual Salary',
 'Credit Card Debt',
 'Net Worth',
 'Car Purchase Amount',
 'New_Annual Salary']
```

```
df = df.withColumnRenamed('Customer Name','Name')
```

```
df.show()
```

```
+---------------+--------------------+-------+------+---+-------------+---------------+-----------+-------------------+-----------
|           Name|     Customer e-mail|Country|Gender|Age|Annual Salary|Credit Card Debt|  Net Worth|Car Purchase Amount|New_Annual
+---------------+--------------------+-------+------+---+-------------+---------------+-----------+-------------------+-----------
|  Martina Avila|cubilia.Curae.Pha...|    USA|     0| 42|  62812.09301|     11609.38091|238961.2505|        35321.45877|      63812
|  Harlan Barnes| eu.dolor@diam.co.uk|    USA|     0| 41|  66646.89292|     9572.957136|530973.9078|        45115.52566|      67646
|Naomi Rodriquez|vulputate.mauris....|    USA|     1| 43|  53798.55112|     11160.35506|638467.1773|        42925.70921|      54798
|Jade Cunningham|malesuada@digniss...|    USA|     1| 58|  79370.03798|     14426.16485|548599.0524|        67422.36313|      80370
|   Cedric Leach|felis.ullamcorper...|    USA|     1| 57|   59729.1513|     5358.712177|560304.0671|        55915.46248|       6072
|   Carla Hester|  mi@Aliquamerat.edu|    USA|     1| 57|  68499.85162|     14179.47244|428485.3604|        56611.99784|      69499
| Griffin Rivera|   vehicula@at.co.uk|    USA|     1| 47|    39814.522|     5958.460188|326373.1812|        28925.70549|        408
|     Orli Casey|nunc.est.mollis@S...|    USA|     1| 50|  51752.23445|     10985.69656|629312.4041|        47434.98265|      52752
|   Marny Obrien|Phasellus@sedseme...|    USA|     0| 47|   58139.2591|     3440.823799|630059.0274|         48013.6141|       5913
|  Rhonda Chavez|     nec@nuncest.com|    USA|     1| 43|  53457.10132|     12884.07868|476643.3544|        38189.50601|      54457
|    Jerome Rowe|ipsum.cursus@dui.org|    USA|     1| 50|  73348.70745|     8270.707359|612738.6171|        59045.51309|      74348
|   Akeem Gibson|turpis.egestas.Fu...|    USA|     1| 53|  55421.65733|     10014.96929|293862.5123|        42288.81046|      56421
|     Quin Smith|     nulla@ipsum.edu|    USA|     0| 44|   37336.3383|     10218.32092|430907.1673|         28700.0334|       3833
|     Tatum Moon|Cras.sed.leo@Sedd...|    USA|     0| 48|  68304.47298|     9466.995128|420322.0702|        49258.87571|      69304
|  Sharon Sharpe|eget.metus@aaliqu...|    USA|     0| 55|  72776.00382|     10597.63814|146344.8965|        49510.03356|      73776
|Thomas Williams|aliquet.molestie@...|    USA|     1| 53|  64662.30061|     11326.03434|481433.4324|        53017.26723|      65662
|  Blaine Bender|ultrices.posuere....|    USA|     0| 45|  63259.87837|     11495.54999|370356.2223|        41814.72067|      64259
|Stephen Lindsey|erat.eget.ipsum@t...|    USA|     1| 48|  52682.06401|     12514.52029|549443.5886|        43901.71244|      53682
|    Sloane Mann|  at.augue@augue.net|    USA|     1| 52|  54503.14423|     7377.820914|431098.9998|        44633.99241|      55503
|    Athena Wolf|volutpat.Nulla.fa...|    USA|     0| 59|  55368.23716|     13272.94647|566022.1306|        54827.52403|      56368
+---------------+--------------------+-------+------+---+-------------+---------------+-----------+-------------------+-----------
only showing top 20 rows
```

Display Name Of The Customers Having Net Worth Greater Than 5 Lakhs

```
df.filter(df['Net Worth']>500000).select('Name').show()
```

```
+-------------------+
|               Name|
+-------------------+
|      Harlan Barnes|
|    Naomi Rodriquez|
|    Jade Cunningham|
|       Cedric Leach|
|         Orli Casey|
|       Marny Obrien|
|        Jerome Rowe|
|    Stephen Lindsey|
|        Athena Wolf|
|      Micah Wheeler|
|        Castor Wood|
|   Dahlia Cleveland|
|       Coby Charles|
|      Rachel Ashley|
|        Quincy Bell|
|       Quon Carroll|
|      Leilani Gross|
|Francesca Cervantes|
|   Charlotte Waller|
|         Rowan Kidd|
+-------------------+
only showing top 20 rows
```

Display Name & Gender of the Customer Having Net Worth Greater Than 5 Lakhs

```
df.filter(df['Net Worth']>500000).select(['Name','Gender']).show()
```

```
+------------------+------+
|              Name|Gender|
+------------------+------+
|      Harlan Barnes|     0|
|    Naomi Rodriquez|     1|
|    Jade Cunningham|     1|
|       Cedric Leach|     1|
|         Orli Casey|     1|
|       Marny Obrien|     0|
|        Jerome Rowe|     1|
|    Stephen Lindsey|     1|
|        Athena Wolf|     0|
|      Micah Wheeler|     1|
|        Castor Wood|     1|
|   Dahlia Cleveland|     1|
|       Coby Charles|     0|
|      Rachel Ashley|     0|
|        Quincy Bell|     0|
|       Quon Carroll|     0|
|      Leilani Gross|     0|
|Francesca Cervantes|     1|
|   Charlotte Waller|     1|
|         Rowan Kidd|     1|
+------------------+------+
only showing top 20 rows
```

Display Name Of The Customers Of The Female Having Net Worth Of Greater Than 5 Lakhs

```
df.filter((df['Net Worth']>500000) & (df['Gender']=='0')).select('Name').show()
```

```
+----------------+
|            Name|
+----------------+
|   Harlan Barnes|
|    Marny Obrien|
|     Athena Wolf|
|    Coby Charles|
|   Rachel Ashley|
|     Quincy Bell|
|    Quon Carroll|
|   Leilani Gross|
|    Olga Serrano|
|   Hedley Greene|
|      Cleo Moore|
|     Yen Santana|
|Emerald Hamilton|
|    Gage Marquez|
|      Ralph Rich|
|     Yasir Tyler|
|   Kadeem Larsen|
|  Todd Maldonado|
|Solomon Atkinson|
|     Dean Snider|
+----------------+
only showing top 20 rows
```

Display Name Of The Customers Of The Male Having Net Worth Of Greater Than 5 Lakhs

```
df.filter((df['Net Worth']>500000) & (df['Gender']=='1')).select('Name').show()
```

```
+------------------+
|              Name|
+------------------+
|    Naomi Rodriquez|
|    Jade Cunningham|
|       Cedric Leach|
|         Orli Casey|
|        Jerome Rowe|
|    Stephen Lindsey|
|      Micah Wheeler|
```

```
|        Castor Wood|
|   Dahlia Cleveland|
|Francesca Cervantes|
|   Charlotte Waller|
|         Rowan Kidd|
|         Lev Kramer|
|      Nissim Acosta|
|        Ila Farrell|
|    Ferdinand Weber|
|      Desirae Stone|
|       Travis Burks|
|         Wing Parks|
|    Quamar Cummings|
+-------------------+
only showing top 20 rows
```

Display Average Annual Salary Of Male & Female Customers

```
df.groupby('Gender').mean().select(['Gender','avg(Annual Salary)']).show()
```

```
+------+------------------+
|Gender|avg(Annual Salary)|
+------+------------------+
|     1| 61705.59332233203|
|     0| 62559.12831267206|
+------+------------------+
```

Sort every row of the dataset into Descending Order

```
df.orderBy(df['Annual Salary'].desc()).show(5)
```

```
+------------------+--------------------+-------+------+---+-------------+---------------+-----------+-------------------+-------
|              Name|     Customer e-mail|Country|Gender|Age|Annual Salary|Credit Card Debt|  Net Worth|Car Purchase Amount|New_Ann
+------------------+--------------------+-------+------+---+-------------+---------------+-----------+-------------------+-------
|      Gemma Hendrix|  lobortis@non.co.uk|    USA|     1| 46|     100000.0|     17452.92179|188032.0778|        58350.31809|
|Flores, Caldwell U.|ut@Etiamvestibulu...|    USA|     0| 41|  92471.17612|     5404.397644|515717.7476|        59096.26978|      9
|           Vaughan|Aliquam@aaliquet.com|    USA|     0| 51|  92455.72807|     9877.169366|285326.3544|        61404.22578|      9
| Daugherty, Veda M.|venenatis.vel.fau...|    USA|     1| 48|  91083.73918|     13148.85597|387538.2487|        60960.83428|      9
|      Glenna Graham|sodales@maurisSus...|    USA|     0| 46|  90556.62686|      13872.5667|479586.9387|        61593.52058|      9
+------------------+--------------------+-------+------+---+-------------+---------------+-----------+-------------------+-------
only showing top 5 rows
```

Handling Missing Values

```
df.show(5)
```

```
+--------------+--------------------+-------+------+---+-------------+---------------+-----------+-------------------+----------
|          Name|     Customer e-mail|Country|Gender|Age|Annual Salary|Credit Card Debt|  Net Worth|Car Purchase Amount|New_Annual
+--------------+--------------------+-------+------+---+-------------+---------------+-----------+-------------------+----------
|  Martina Avila|cubilia.Curae.Pha...|    USA|     0| 42|  62812.09301|     11609.38091|238961.2505|        35321.45877|     63812
|  Harlan Barnes| eu.dolor@diam.co.uk|    USA|     0| 41|  66646.89292|     9572.957136|530973.9078|        45115.52566|     67646
|Naomi Rodriquez|vulputate.mauris....|    USA|     1| 43|  53798.55112|     11160.35506|638467.1773|        42925.70921|     54798
|Jade Cunningham|malesuada@digniss...|    USA|     1| 58|  79370.03798|     14426.16485|548599.0524|        67422.36313|     80370
|   Cedric Leach|felis.ullamcorper...|    USA|     1| 57|   59729.1513|     5358.712177|560304.0671|        55915.46248|      6072
+--------------+--------------------+-------+------+---+-------------+---------------+-----------+-------------------+----------
only showing top 5 rows
```

```
from pyspark.sql.functions import mean
```

```
mean1=df.select(mean(df['Net Worth'])).collect()
```

```
mean1[0][0]
```

```
431475.71362506005
```

```
df.fillna(mean1[0][0]).show()
```

```
+--------------+--------------------+-------+------+---+-------------+---------------+-----------+-------------------+----------
|          Name|     Customer e-mail|Country|Gender|Age|Annual Salary|Credit Card Debt|  Net Worth|Car Purchase Amount|New_Annual
```

```
+--------------+--------------------+-------+------+---+-------------+---------------+-----------+------------------+-----------
|  Martina Avila|cubilia.Curae.Pha...|    USA|     0| 42|  62812.09301|     11609.38091|238961.2505|        35321.45877|      63812
|  Harlan Barnes| eu.dolor@diam.co.uk|    USA|     0| 41|  66646.89292|     9572.957136|530973.9078|        45115.52566|      67646
|Naomi Rodriquez|vulputate.mauris....|    USA|     1| 43|  53798.55112|     11160.35506|638467.1773|        42925.70921|      54798
|Jade Cunningham|malesuada@digniss...|    USA|     1| 58|  79370.03798|     14426.16485|548599.0524|        67422.36313|      80370
|   Cedric Leach|felis.ullamcorper...|    USA|     1| 57|   59729.1513|     5358.712177|560304.0671|        55915.46248|       6072
|   Carla Hester|  mi@Aliquamerat.edu|    USA|     1| 57|  68499.85162|     14179.47244|428485.3604|        56611.99784|      69499
| Griffin Rivera|   vehicula@at.co.uk|    USA|     1| 47|    39814.522|     5958.460188|326373.1812|        28925.70549|        408
|     Orli Casey|nunc.est.mollis@S...|    USA|     1| 50|  51752.23445|     10985.69656|629312.4041|        47434.98265|      52752
|   Marny Obrien|Phasellus@sedseme...|    USA|     0| 47|   58139.2591|     3440.823799|630059.0274|         48013.6141|       5913
|  Rhonda Chavez|     nec@nuncest.com|    USA|     1| 43|  53457.10132|     12884.07868|476643.3544|        38189.50601|      54457
|    Jerome Rowe|ipsum.cursus@dui.org|    USA|     1| 50|  73348.70745|     8270.707359|612738.6171|        59045.51309|      74348
|   Akeem Gibson|turpis.egestas.Fu...|    USA|     1| 53|  55421.65733|     10014.96929|293862.5123|        42288.81046|      56421
|     Quin Smith|     nulla@ipsum.edu|    USA|     0| 44|   37336.3383|     10218.32092|430907.1673|         28700.0334|       3833
|     Tatum Moon|Cras.sed.leo@Sedd...|    USA|     0| 48|  68304.47298|     9466.995128|420322.0702|        49258.87571|      69304
|  Sharon Sharpe|eget.metus@aaliqu...|    USA|     0| 55|  72776.00382|     10597.63814|146344.8965|        49510.03356|      73776
|Thomas Williams|aliquet.molestie@...|    USA|     1| 53|  64662.30061|     11326.03434|481433.4324|        53017.26723|      65662
|  Blaine Bender|ultrices.posuere....|    USA|     0| 45|  63259.87837|     11495.54999|370356.2223|        41814.72067|      64259
|Stephen Lindsey|erat.eget.ipsum@t...|    USA|     1| 48|  52682.06401|     12514.52029|549443.5886|        43901.71244|      53682
|    Sloane Mann|  at.augue@augue.net|    USA|     1| 52|  54503.14423|     7377.820914|431098.9998|        44633.99241|      55503
|    Athena Wolf|volutpat.Nulla.fa...|    USA|     0| 59|  55368.23716|     13272.94647|566022.1306|        54827.52403|      56368
+--------------+--------------------+-------+------+---+-------------+---------------+-----------+------------------+-----------
only showing top 20 rows
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