

Requirement already satisfied: pyspark in /usr/local/lib/python3.10/dist-packages (3.5.0)

Requirement already satisfied: py4j==0.10.9.7 in /usr/local/lib/python3.10/dist-packages (from pyspark) (0.10.9.7)

```
+-----+
|          _c0|
+-----+
```

```
+-----+
| Frances Bennet|
|  Jamie Russell|
| Edward Kistler|
|  Sheila Maurer|
|Donald Golightly|
+-----+
```

only showing top 5 rows

root

|-- Nomes: string (nullable = true)

```
+-----+
|          Nomes|
+-----+
```

```
+-----+
| Frances Bennet|
|  Jamie Russell|
| Edward Kistler|
|  Sheila Maurer|
|Donald Golightly|
|   David Gray|
|   Joy Bennett|
|   Paul Kriese|
|Berniece Ornellas|
|   Brian Farrell|
+-----+
```

only showing top 10 rows

```
+-----+-----+-----+-----+
|          Nomes|Escolaridade|      Pais|AnoNascimento|
+-----+-----+-----+-----+
|   Joy Bennett|Fundamental|  Ecuador|         2006|
|Lorenzo Woodis|Fundamental|  Bolivia|         2002|
|Herbert Morris|Fundamental|    Peru|         2005|
|  Albert Leef|Fundamental|Suriname|         2000|
|Gabriel Colyer|Fundamental|  Brasil|         2006|
|Kenneth Rayburn|Fundamental|    Peru|         2008|
|   Anita Ross|Fundamental|  Ecuador|         2008|
|Lynne Dustman|Fundamental|    Peru|         2008|
|Cristina Sheston|Fundamental|Colombia|         2004|
|Kenneth Winter|Fundamental|Uruguai|         2002|
+-----+-----+-----+-----+
```

only showing top 10 rows

Nomes	Escolaridade	Pais	AnoNascimento
Joy Bennett	Fundamental	Equador	2006
Lorenzo Woodis	Fundamental	Bolivia	2002
Herbert Morris	Fundamental	Peru	2005
Albert Leef	Fundamental	Suriname	2000
Gabriel Colyer	Fundamental	Brasil	2006
Kenneth Rayburn	Fundamental	Peru	2008
Anita Ross	Fundamental	Equador	2008
Lynne Dustman	Fundamental	Peru	2008
Cristina Sheston	Fundamental	Colombia	2004
Kenneth Winter	Fundamental	Uruguai	2002

only showing top 10 rows

Número de Millennials: 2272353

Número de Millennials (Spark SQL): 2272353

Pais	Geracao	Quantidade
Argentina	Baby Boomers	233193
Argentina	Geração X	175165
Argentina	Geração Z	185969
Argentina	Millennials	174936
Bolivia	Baby Boomers	232532
Bolivia	Geração X	174948
Bolivia	Geração Z	186844
Bolivia	Millennials	174958
Brasil	Baby Boomers	232903
Brasil	Geração X	175331
Brasil	Geração Z	186132
Brasil	Millennials	174954
Chile	Baby Boomers	232900
Chile	Geração X	175109
Chile	Geração Z	185741
Chile	Millennials	174631
Colombia	Baby Boomers	232224
Colombia	Geração X	175915
Colombia	Geração Z	186971
Colombia	Millennials	174917

only showing top 20 rows