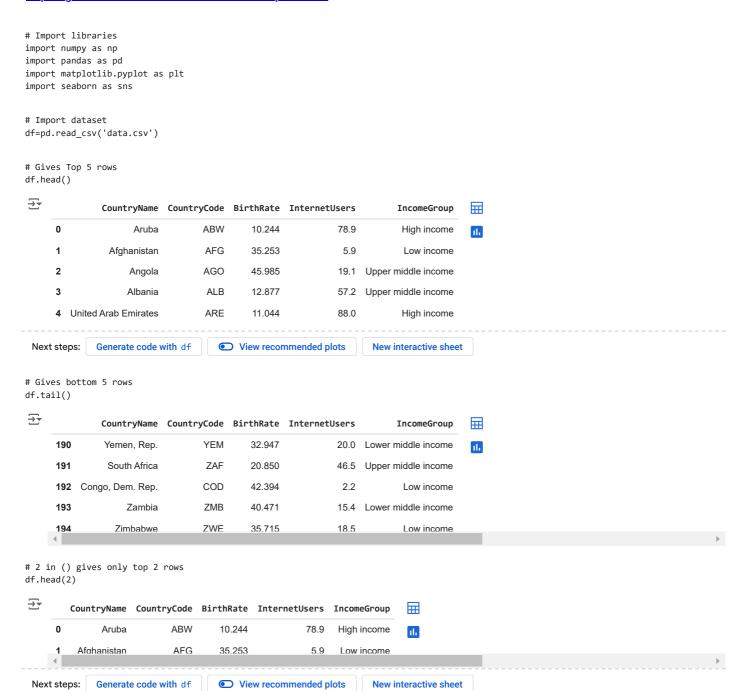
Country GDP Analysis in Python

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https://github.com/SameerHussain128?tab=repositories



df

```
₹
                 CountryName CountryCode BirthRate InternetUsers
                                                                            IncomeGroup
                                                                                           丽
       0
                       Aruba
                                     ABW
                                               10.244
                                                                78.9
                                                                             High income
                                                                                           ıl.
       1
                  Afghanistan
                                      AFG
                                               35.253
                                                                 5.9
                                                                             Low income
       2
                                               45.985
                      Angola
                                     AGO
                                                                19.1 Upper middle income
                      Albania
                                      ALB
                                               12.877
                                                                57.2 Upper middle income
       3
           United Arab Emirates
                                      ARE
                                               11.044
                                                                88.0
       4
                                                                             High income
                  Yemen, Rep.
                                      YEM
                                               32.947
                                                                20.0 Lower middle income
      190
      191
                  South Africa
                                      ZAF
                                               20.850
                                                                46.5 Upper middle income
             Congo, Dem. Rep.
                                               42.394
                                                                 22
      192
                                      COD
                                                                             Low income
      193
                      Zambia
                                      ZMB
                                               40.471
                                                                15.4 Lower middle income
      194
                    Zimbabwe
                                      ZWE
                                               35.715
                                                                 18.5
                                                                              Low income
     195 rows × 5 columns
 Next steps:
              Generate code with df
                                      View recommended plots
                                                                     New interactive sheet
#see Number of columns
len(df)
→ 195
df.shape
→ (195, 5)
#see columns
df.columns
Index(['CountryName', 'CountryCode', 'BirthRate', 'InternetUsers',
             'IncomeGroup'],
           dtype='object')
#gives length of the column
len(df.columns)
→ 5
#see type
type(df)
\overline{z}
       pandas.core.frame.DataFrame
       def __init__(data=None, index: Axes | None=None, columns: Axes | None=None, dtype: Dtype |
      None=None, copy: bool | None=None) -> None
      /usr/local/lib/python3.10/dist-packages/pandas/core/frame.py
      Two-dimensional, size-mutable, potentially heterogeneous tabular data.
      Data structure also contains labeled axes (rows and columns).
      Arithmetic operations align on both row and column labels. Can be
# Check information of the Dataset
df.info()
     <class 'pandas.core.frame.DataFrame'>
     RangeIndex: 195 entries, 0 to 194
     Data columns (total 5 columns):
                         Non-Null Count Dtype
      #
         Column
     ---
          -----
                         -----
      0
          CountryName
                         195 non-null
                                          object
      1
          CountryCode
                         195 non-null
                                          object
          BirthRate
                         195 non-null
                                          float64
          InternetUsers 195 non-null
                                          float64
         IncomeGroup
                        195 non-null
                                          object
     dtypes: float64(2), object(3)
     memory usage: 7.7+ KB
```

Checking missing values

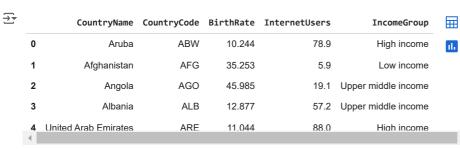


SLICING

Gives Reverse of rows
df[::-1]



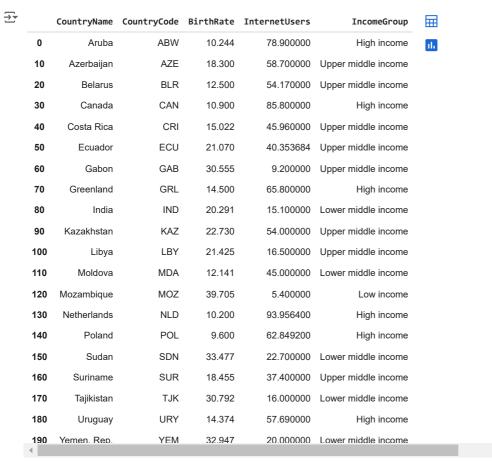
Gives 0 to 4 rows - 5 ROWS df[:5]



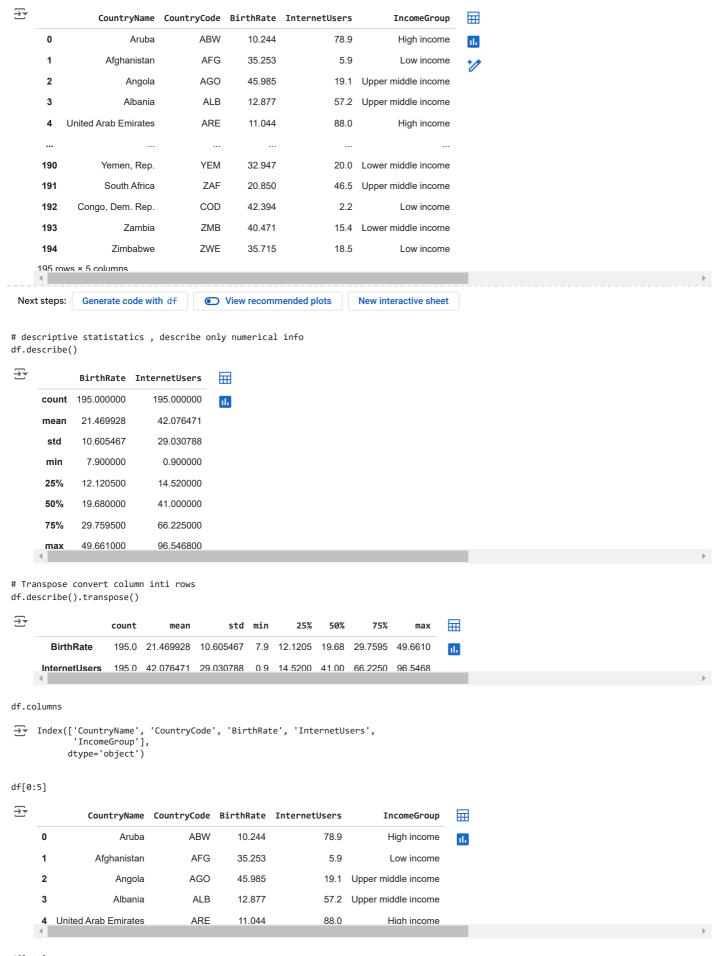
Gives 6 to rest of rows
df[6:]



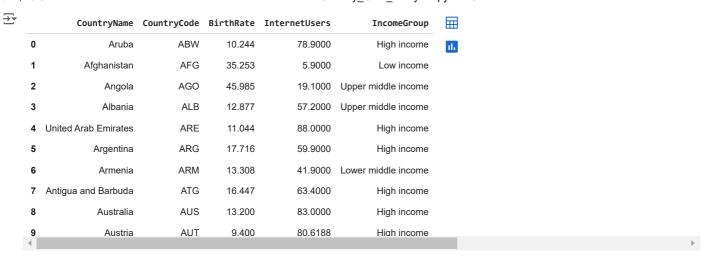
Gives 0 to 199 rows with step of 10 df[0:200:10]



df



df[:10]



df[['CountryName','CountryCode','BirthRate']]



df.dtypes



df['BirthRate']

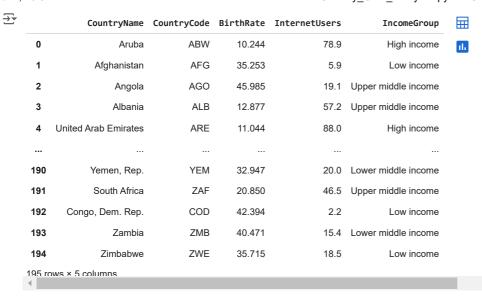


df.columns

```
→ Index(['CountryName', 'CountryCode', 'BirthRate', 'InternetUsers',
              IncomeGroup'],
            dtype='object')
df_categorical=df[['CountryName', 'CountryCode','IncomeGroup']]
df_categorical.head()
→
                CountryName CountryCode
                                                  IncomeGroup
                                                                  扁
      0
                      Aruba
                                     ABW
                                                   High income
                                                                  ıl.
      1
                 Afghanistan
                                     AFG
                                                   Low income
      2
                     Angola
                                     AGO
                                           Upper middle income
      3
                     Albania
                                      ALB
                                           Upper middle income
         United Arab Emirates
                                     ARE
                                                   High income
 Next steps:
              Generate code with df_categorical
                                                     View recommended plots
                                                                                      New interactive sheet
df.describe()
<del>_</del>
              BirthRate InternetUsers
                                           \blacksquare
             195.000000
                              195.000000
      count
                                           ıl.
                               42 076471
      mean
              21.469928
              10.605467
                               29.030788
       std
                7.900000
                               0.900000
       min
       25%
              12.120500
                               14.520000
       50%
              19.680000
                               41.000000
              29.759500
                               66.225000
       75%
              49.661000
                               96.546800
       max
df_categorical
₹
                  CountryName
                               CountryCode
                                                    IncomeGroup
                                                                    0
                        Aruba
                                       ABW
                                                      High income
                   Afghanistan
       1
                                        AFG
                                                      Low income
       2
                        Angola
                                        AGO
                                              Upper middle income
       3
                       Albania
                                              Upper middle income
                                        AI B
       4
           United Arab Emirates
                                        ARE
                                                      High income
      190
                                        YEM
                  Yemen, Rep.
                                              Lower middle income
      191
                   South Africa
                                        ZAF
                                              Upper middle income
                                        COD
      192
              Congo, Dem. Rep.
                                                      Low income
      193
                                        ZMB
                                              Lower middle income
                       Zambia
      194
                                        7WF
                                                      Low income
                     Zimbabwe
     195 rows × 3 columns
              Generate code with df_categorical
                                                     View recommended plots
                                                                                      New interactive sheet
 Next steps:
df_categorical.describe()
₹
              CountryName
                            CountryCode IncomeGroup
                                                          \blacksquare
       count
                       195
                                     195
                                                   195
                                                          ılı.
                       195
                                     195
      unique
                                                     4
        top
                     Aruba
                                    ABW
                                           High income
                                                    67
       freq
# Mathematical Operations
df.BirthRate * df.InternetUsers
```

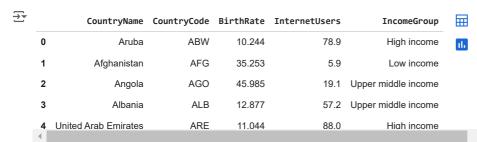
https://colab.research.google.com/drive/1TWpGVU4xKSLj_6uuLTLbpgcfLT80MZV2#scrollTo=2a9abcc8-bf16-45d7-9ded-c6d556568e3b&printM...

```
₹
       0
           808.2516
       1
           207.9927
           878.3135
       2
           736 5644
       3
           971.8720
           658.9400
      190
      191
           969.5250
      192
            93.2668
      193 623.2534
      194 660.7275
     195 rows × 1 columns
     dtype: float64
# Add a column
df['MyCal']=df.BirthRate * df.InternetUsers
df
\overline{\Rightarrow}
                  CountryName CountryCode BirthRate InternetUsers
                                                                                 IncomeGroup
                                                                                                 MyCa1
       0
                                       ABW
                                                  10.244
                                                                    78.9
                         Aruba
                                                                                  High income 808.2516
                                                                                                           11.
       1
                    Afghanistan
                                        AFG
                                                  35.253
                                                                     5.9
                                                                                  Low income
                                                                                              207.9927
       2
                                        AGO
                                                  45.985
                                                                    19.1 Upper middle income 878.3135
                        Angola
       3
                        Albania
                                        ALB
                                                  12.877
                                                                    57.2 Upper middle income
                                                                                              736.5644
           United Arab Emirates
                                        ARE
                                                  11.044
                                                                    88.0
                                                                                  High income 971.8720
       4
      190
                   Yemen, Rep.
                                        YEM
                                                  32.947
                                                                    20.0 Lower middle income 658.9400
                                        ZAF
                                                  20.850
                                                                    46.5
                                                                         Upper middle income 969.5250
      191
                   South Africa
      192
              Congo, Dem. Rep.
                                        COD
                                                  42.394
                                                                     2.2
                                                                                  Low income
                                                                                                93.2668
      193
                                        ZMB
                                                  40.471
                                                                    15.4 Lower middle income 623.2534
                       Zambia
      194
                     Zimbabwe
                                        ZWE
                                                  35.715
                                                                     18.5
                                                                                  Low income
     195 rows × 6 columns
               Generate code with df
                                         View recommended plots
                                                                         New interactive sheet
 Next steps:
df.head()
₹
                                                                                               MyCal
                                                                                                        \blacksquare
                CountryName CountryCode BirthRate InternetUsers
                                                                               IncomeGroup
      0
                      Aruba
                                     ABW
                                                10.244
                                                                  78.9
                                                                               High income 808.2516
                                                                                                         16
                                                                   5.9
      1
                 Afghanistan
                                      AFG
                                                35.253
                                                                                Low income 207.9927
      2
                      Angola
                                      AGO
                                                45.985
                                                                  19.1 Upper middle income 878.3135
      3
                     Albania
                                      ALB
                                                12.877
                                                                  57.2 Upper middle income 736.5644
                                                11.044
                                                                  88.0
         United Arab Emirates
                                      ARE
                                                                                High income 971.8720
 Next steps:
               Generate code with df
                                         View recommended plots
                                                                         New interactive sheet
# Delete column
df.drop('MyCal',axis=1)
```



df=df.drop('MyCal',axis=1)

df.head()



Next steps: Generate code with df

View recommended plots

New interactive sheet

 $\label{eq:df.InternetUsers} \mbox{ df.InternetUsers < 2 \# we are checking given condition if its correct true or false}$



Filter = df.InternetUsers < 2

Filter

<u>→</u>		Internet	Users
	0		False
	1		False
	2		False
	3		False
	4		False
1	90		False
1	91		False
1	92		False
1	93		False
1	94		False
19	5 rov	vs × 1 col	umns
4			

df[5:10]

_	CountryName	CountryCode	BirthRate	InternetUsers	IncomeGroup	
	Argentina	ARG	17.716	59.9000	High income	ıl.
6	Armenia	ARM	13.308	41.9000	Lower middle income	
7	Antigua and Barbuda	ATG	16.447	63.4000	High income	
8	. Australia	AUS	13.200	83.0000	High income	
9	Austria	AUT	9.400	80.6188	Hiah income	

df[40:50]

_		CountryName	CountryCode	BirthRate	InternetUsers	IncomeGroup	
	40	Costa Rica	CRI	15.022	45.9600	Upper middle income	11.
	41	Cuba	CUB	10.400	27.9300	Upper middle income	
	42	Cayman Islands	CYM	12.500	74.1000	High income	
	43	Cyprus	CYP	11.436	65.4548	High income	
	44	Czech Republic	CZE	10.200	74.1104	High income	
	45	Germany	DEU	8.500	84.1700	High income	
	46	Djibouti	DJI	25.486	9.5000	Lower middle income	
	47	Denmark	DNK	10.000	94.6297	High income	
	48	Dominican Republic	DOM	21.198	45.9000	Upper middle income	
	49	Algeria	DZA	24.738	16.5000	Upper middle income	

 $\label{eq:filter} \mbox{df[Filter] \# it will take that row which are false - Internetusers < 2}$

₹		CountryName	CountryCode	BirthRate	InternetUsers	IncomeGroup	
	11	Burundi	BDI	44.151	1.3	Low income	ıl.
	52	Eritrea	ERI	34.800	0.9	Low income	
	55	Ethiopia	ETH	32.925	1.9	Low income	
	64	Guinea	GIN	37.337	1.6	Low income	
	117	Myanmar	MMR	18.119	1.6	Lower middle income	
	127	Niger	NER	49.661	1.7	Low income	
	154	Sierra Leone	SLE	36.729	1.7	Low income	
	156	Somalia	SOM	43.891	1.5	Low income	
	172	Timor-Leste	TLS	35.755	1.1	Lower middle income	

df.BirthRate > 40

₹		BirthRate
	0	False
	1	False
	2	True
	3	False
	4	False
	190	False
	191	False
	192	True
	193	True
	194	False
	195 rc	ws × 1 columns
	4	

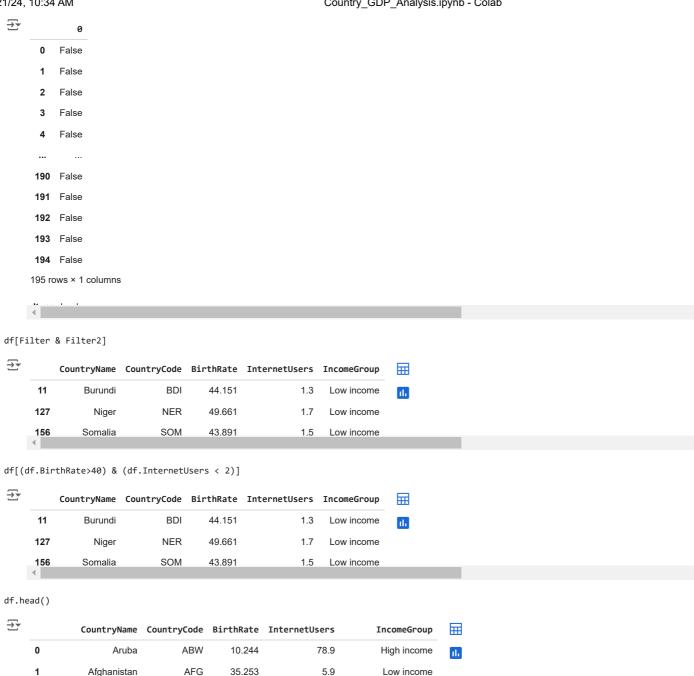
Filter2= df.BirthRate > 40
Filter2

_		
		BirthRate
	0	False
	1	False
	2	True
	3	False
	4	False
	190	False
	191	False
	192	True
	193	True
	194	False
	195 ro	ws × 1 columns

df[Filter2]

→		CountryName	CountryCode	BirthRate	InternetUsers	IncomeGroup	
	2	Angola	AGO	45.985	19.1	Upper middle income	11.
	11	Burundi	BDI	44.151	1.3	Low income	
	14	Burkina Faso	BFA	40.551	9.1	Low income	
	65	Gambia, The	GMB	42.525	14.0	Low income	
	115	Mali	MLI	44.138	3.5	Low income	
	127	Niger	NER	49.661	1.7	Low income	
	128	Nigeria	NGA	40.045	38.0	Lower middle income	
	156	Somalia	SOM	43.891	1.5	Low income	
	167	Chad	TCD	45.745	2.3	Low income	
	178	Uganda	UGA	43.474	16.2	Low income	
	192	Congo, Dem. Rep.	COD	42.394	2.2	Low income	
	193	Zambia	ZMB	40.471	15.4	Lower middle income	

#filter and filter2 Filter & Filter2





df[df.IncomeGroup == 'Low income'] # Displays rows who has Low Income

0.0				•	_051 _/a.,
	CountryName	CountryCode	BirthRate	InternetUsers	IncomeGroup
1	Afghanistan	AFG	35.253	5.90	Low income
11	Burundi	BDI	44.151	1.30	Low income
13	Benin	BEN	36.440	4.90	Low income
14	Burkina Faso	BFA	40.551	9.10	Low income
29	Central African Republic	CAF	34.076	3.50	Low income
38	Comoros	COM	34.326	6.50	Low income
52	Eritrea	ERI	34.800	0.90	Low income
55	Ethiopia	ETH	32.925	1.90	Low income
64	Guinea	GIN	37.337	1.60	Low income
65	Gambia, The	GMB	42.525	14.00	Low income
66	Guinea-Bissau	GNB	37.503	3.10	Low income
77	Haiti	HTI	25.345	10.60	Low income
93	Cambodia	KHM	24.462	6.80	Low income
99	Liberia	LBR	35.521	3.20	Low income
111	Madagascar	MDG	34.686	3.00	Low income
115	Mali	MLI	44.138	3.50	Low income
120	Mozambique	MOZ	39.705	5.40	Low income
123	Malawi	MWI	39.459	5.05	Low income
127	Niger	NER	49.661	1.70	Low income
132	Nepal	NPL	20.923	13.30	Low income
148	Rwanda	RWA	32.689	9.00	Low income
154	Sierra Leone	SLE	36.729	1.70	Low income
156	Somalia	SOM	43.891	1.50	Low income
158	South Sudan	SSD	37.126	14.10	Low income
167	Chad	TCD	45.745	2.30	Low income
168	Togo	TGO	36.080	4.50	Low income
177	Tanzania	TZA	39.518	4.40	Low income
178	Uganda	UGA	43.474	16.20	Low income
192	Congo, Dem. Rep.	COD	42.394	2.20	Low income
194	Zimbabwe	ZWE	35.715	18.50	Low income

Display unique categories of Particular Column
df.IncomeGroup.unique()

```
⇒ array(['High income', 'Low income', 'Upper middle income', 'Lower middle income'], dtype=object)
```

df.BirthRate.unique()

```
array([10.244, 35.253, 45.985, 12.877, 11.044, 17.716, 13.308, 16.447, 13.2 , 9.4 , 18.3 , 44.151, 11.2 , 36.44 , 40.551, 20.142, 9.2 , 15.04 , 15.339, 9.062, 12.5 , 23.092, 10.4 , 24.236, 14.931, 12.188, 16.405, 18.134, 25.267, 34.076, 10.9 , 10.2 , 13.385, 12.1 , 37.32 , 37.236, 37.011, 16.076, 34.326, 21.625, 15.022, 11.436, 8.5 , 25.486, 10. , 21.198, 24.738, 21.07 , 28.032, 34.8 , 9.1 , 10.3 , 32.925, 10.7 , 20.463, 12.3 , 23.511, 30.555, 12.2 , 13.332, 33.131, 37.337, 42.525, 37.503, 35.362, 19.334, 14.5 , 27.465, 17.389, 18.885, 7.9 , 21.593, 25.345, 20.297, 20.291, 15. , 17.9 , 31.093, 13.4 , 21.3 , 13.54 , 27.046, 8.2 , 22.73 , 35.194, 27.2 , 24.462, 29.044, 8.6 , 20.575, 27.051, 13.426, 35.521, 21.425, 15.43, 17.863, 28.738, 10.1 , 11.3 , 11.256, 21.023, 12.141, 36.866, 21.447, 19.104, 11.222, 44.138, 9.5 , 18.119, 11.616, 24.275, 39.705, 33.801, 39.459, 16.805, 29.937, 17. , 49.661, 40.045, 20.788, 11.6 , 20.923, 13.12 , 20.419, 29.582, 19.68 , 20.198, 23.79 , 28.899, 9.6 , 10.8 , 21.588, 16.393, 11.94 , 8.8 , 32.689, 20.576, 33.477, 38.533, 9.3 , 30.578, 36.729, 17.476, 43.891, 37.126, 34.537, 18.455, 11.8 , 30.093, 18.6 , 24.043, 45.745, 36.08 , 11.041, 30.792, 21.322, 35.755, 25.409, 14.59 , 19.8 , 16.836, 39.518, 43.474, 11.1 , 14.374, 22.5 , 16.306, 19.842, 15.537, 26.739, 30.394, 26.172, 32.947, 20.85 , 42.394, 40.471, 35.715])
```

```
df.InternetUsers.unique()
```

```
, 19.1
→ array([78.9
                                                                   , 57.2
                             , 41.9 , 63.4 , 83.
, 1.3 , 82.1702 , 4.9
, 53.0615 , 90.0000397 , 72.
, 33.6 , 95.3
                                                                                     , 80.6188
                                                                                     , 9.1
                58.7
                                                                                     , 57.79
                 6.63
                              , 33.6
                                                , 95.3 , 36.94
                                                                                     , 51.04
                54.17
                                                               , 50.94
, 15.
, 45.8
, 6.5
                                                , 29.9
                              , 64.5
                                                                                     , 3.5
                73.
                              , 86.34
                                                                                     , 8.4
               85.8
                                           , 66.5

, 51.7

, 74.1

, 94.6297

, 45.9

, 0.9

, 71.635

, 79.4

4

, 37.1

, 81.9198

, 27.8

1

, 43.3

, 12.3

, 16.4

, 59.8663

, 35.

, 65.4

, 74.2

, 17.8

, 15.1
                                               , 66.5
                          , 6.6
, 27.93
                 6.4
                45.96
                84.17 , 9.5
40.35368423, 29.4
                          , 91.5144
                 1.9
                              , 89.8441 , 43.3
                 9.2
                                              , -3.3
, 16.4
, 65.4
, 72.6439
                            , 3.1
, 19.7
                14.
                                              , o5.4 , 74.2 , 72.6439 , 14.94 , 96.5468 , 70.8 , 54.
                65.8
               66.7476 , 10.6
78.2477 , 29.95
                                                                                     , 15.1
                                                                                     , 58.4593
                                                                                     , 23.
               41.
                              , 89.71
                                               , 84.77
                                                                  , 75.46
                                                                                     , 12.5
                 6.8
                              , 11.5
                              , 3.2 , 46.2 , 93.8
, 68.4529 , 93.7765 , 75.2344
                              , 3.2
                                                                                     , 21.9
                70.5
                                                                                     , 56.
                 5.
                              , 3.
                                                , 44.1
                                                                   , 43.46
                                                                                     , 65.24
                45.
                                               , 20.
                68.9138 , 60.31
                                                                  , 5.4
                                                                                      , 6.2
                                                , 13.9
                               , 66.97
                                                                   , 66.
                                                                                      , 1.7
                 5.05
                              , 15.5
                                                                                     , 13.3
                                                , 93.9564 , 95.0534
                38.
                               , oo.45 , 10.9 , 62.8492 , 73.9 , 85.3
                                                                 , 44.03
               , 02.8492 , 73.9 , 62.0956 , 36.9

56.8 , 85.3 , 49.7645 , 67.97 , 9.

60.5 , 22.7 , 13.1 , 81. , 8.

23.1093 , 1.5 , 51.5 , 14.1 , 37.4

77.8826 , 72.6756 , 94.7836 , 24.7 , 50.4

26.2 , 2.3 , 4.5 20.01
                              , 66.45
                                                                                     , 39.2
               82.78
                              , 2.3 , 4.5 , 28.94

, 1.1 , 63.8 , 43.8

, 16.2 , 57.69 , 84.2

, 54.9 , 45.3 , 43.9

, 15.3 , 46.5 , 2.2
                 9.6
                                                                                     , 46.25
                                                                                     , 38.2
                 4.4
                                                                                     , 11.3
                52.
                46.6
                                                                                      , 15.4
               18.5
                               1)
```

Introduction to seaborn # seaborn is very powerfull visualizatio(STATISTIC VISULAIZATION) pkg in python

 $\mbox{\tt\#}$ seaborn are used for advance visualization e.x --> distribution plot, line plot

%matplotlib inline

plt.rcParams['figure.figsize'] = 6,2

import warnings

warnings.filterwarnings('ignore') # os error

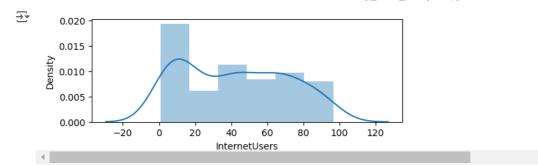
df.head()

_ _		CountryName	CountryCode	BirthRate	InternetUsers	IncomeGroup
	0	Aruba	ABW	10.244	78.9	High income
	1	Afghanistan	AFG	35.253	5.9	Low income
	2	Angola	AGO	45.985	19.1	Upper middle income
	3	Albania	ALB	12.877	57.2	Upper middle income
	4 Uni	ited Arab Emirates	ARE	11.044	88.0	Hiah income
Next	t steps:	Generate code v	vith df	O View recon	nmended plots	New interactive sheet

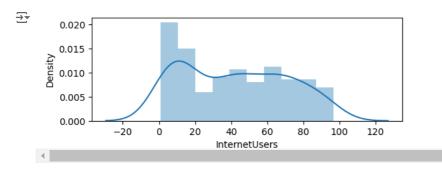
VISUALIZATION

Distributions :

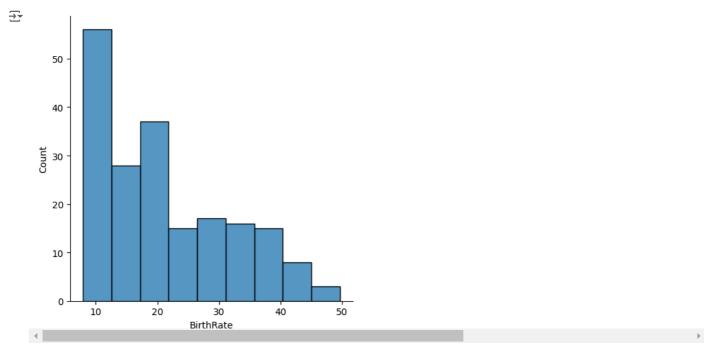
vis1 = sns.distplot(df["InternetUsers"]) # Univariate - Plot the graph using one veriable



vis1 = sns.distplot(df["InternetUsers"],bins=10)

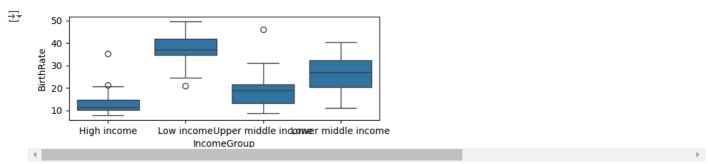


vis2 = sns.displot(df["BirthRate"])

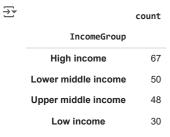


Box plots
vis3 = sns.boxplot(data=df,x="IncomeGroup",y="BirthRate") #bivariate analysis -- plot the graph using two variables

small dots are called outliers == anomaly detections -- Statictice outliers is the datapoint which is very far from the other observati



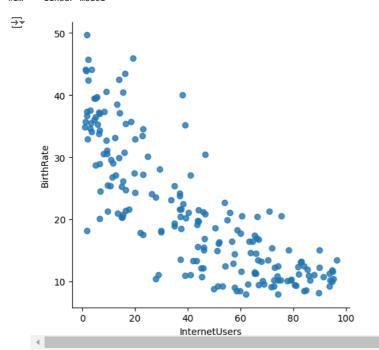
df["IncomeGroup"].value_counts()



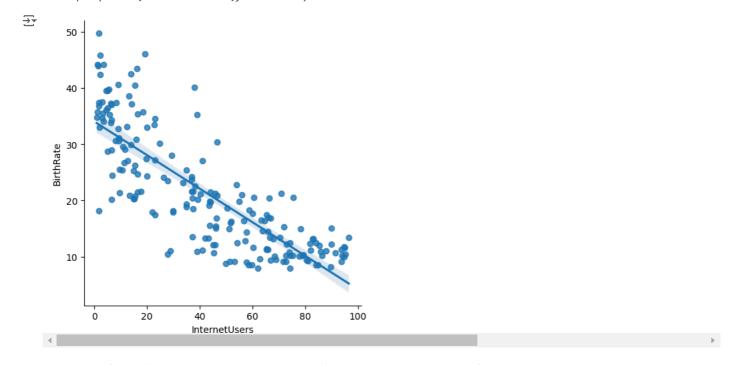
refer to seaborn gallary

visualizatuon with seaborn

vis4= sns.lmplot(data=df,x="InternetUsers",y="BirthRate",fit_reg=False) #lm -- linear model

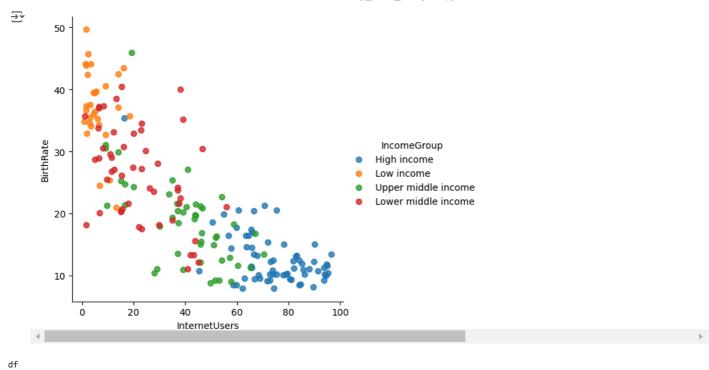


vis5=sns.lmplot(data=df,x="InternetUsers",y="BirthRate")



vis6 = sns.lmplot(data=df,x="InternetUsers",y="BirthRate",fit_reg=False,hue="IncomeGroup")

hue -- parameter for color



→		CountryName	CountryCode	BirthRate	InternetUsers	IncomeGroup
	0	Aruba	ABW	10.244	78.9	High income
	1	Afghanistan	AFG	35.253	5.9	Low income
	2	Angola	AGO	45.985	19.1	Upper middle income
	3	Albania	ALB	12.877	57.2	Upper middle income
	4	United Arab Emirates	ARE	11.044	88.0	High income
	190	Yemen, Rep.	YEM	32.947	20.0	Lower middle income
	191	South Africa	ZAF	20.850	46.5	Upper middle income
	192	Congo, Dem. Rep.	COD	42.394	2.2	Low income
	193	Zambia	ZMB	40.471	15.4	Lower middle income
	194	Zimbabwe	ZWE	35.715	18.5	Low income
	195 ro	ows × 5 columns				
Nex	t steps	s: Generate code with	h df	View recomm	nended plots	New interactive sheet

vis7=sns.lmplot(data=df,x="InternetUsers",y="BirthRate",fit_reg=False,hue="CountryName")

CountryName

- Aruba
- Afghanistan
- Angola
- Albania
- United Arab Emirates
- Argentina
- Armenia
- Antigua and Barbuda
- Australia
- Austria
- Azerbaijan
- Burundi
- Belgium
- Benin
- Burkina Faso
- Bangladesh
- Bulgaria
- Bahrain
- Bahamas, The
- Bosnia and Herzegovina
- Belarus
- Belize
- Bermuda
- Bolivia
- Brazil
- Barbados
- Brunei Darussalam
- Bhutan
- Botswana
- Central African Republic
- Canada
- Switzerland
- Chile
- China
- Cote d'Ivoire
- Cameroon
- Congo, Rep.
- Colombia
- Comoros
- Cabo Verde
- Costa Rica
- Cuba
- Cayman Islands
- Cyprus
- Czech Republic
- Germany
- Djibouti
- Denmark
- Dominican Republic
- Algeria
- Ecuador
- Egypt, Arab Rep.
- Eritrea
- Spain
- Estonia
- Ethiopia
- Finland
- Fiji
- France
- Micronesia, Fed. Sts.
- Gabon
- United Kingdom
- Georgia
- Ghana
- Guinea
- Gambia, The
- Guinea-Bissau
- Equatorial Guinea
- Greece
- Grenada
- Greenland
- Guatemala
- Guar

