gender_equality_data

May 1, 2022

Program to ingest and clean Gender equality data

[1]:
```
import pandas as pd

df_gender_eq = pd.read_csv ('../Data/GENDER_EQUALITY_2022/
 ↪GENDER_EQUALITY_2022_timeSeries.csv')

df_gender_eq.head()
```

[1]:
```
  Country Name  Country Code            Indicator Name Indicator Code  \
0    Mauritius           684   Gender Inequality Index         GE_GII
1       Mexico           273  Gender Development Index         GE_GDI
2       Mexico           273   Gender Inequality Index         GE_GII
3      Moldova           921  Gender Development Index         GE_GDI
4      Moldova           921   Gender Inequality Index         GE_GII

  Attribute      1990      1991      1992      1993      1994  ...      2005  \
0     Value  0.505687  0.502605  0.498920  0.492968  0.487268  ...  0.358440
1     Value  0.886701  0.886304  0.888046  0.898922  0.900829  ...  0.923414
2     Value  0.529219  0.525756  0.519203  0.514178  0.508967  ...  0.420254
3     Value       NaN       NaN       NaN       NaN       NaN  ...  0.991981
4     Value       NaN       NaN       NaN       NaN       NaN  ...  0.269899

       2006      2007      2008      2009      2010      2011      2012  \
0  0.369793  0.381489  0.387656  0.394510  0.392354  0.391204  0.390154
1  0.927484  0.930120  0.933233  0.938857  0.941404  0.944050  0.942742
2  0.420237  0.414440  0.410383  0.397329  0.396467  0.396158  0.372871
3  0.992572  0.990616  0.991611  0.989945  0.989650  0.991836  0.991963
4  0.283388  0.288021  0.293147  0.294358  0.311992  0.292510  0.272445

       2013  Unnamed: 29
0  0.389784          NaN
1  0.943021          NaN
2  0.372371          NaN
3  0.993046          NaN
4  0.249700          NaN

[5 rows x 30 columns]
```

[2]:
```
df_gender_eq_transpose = df_gender_eq.melt(id_vars=["Country Name", "Country␣
↪Code", "Indicator Name","Indicator Code", "Attribute"],
        var_name="Year",
        value_name="Gender_EQ_Score")
df_gender_eq_transpose.head()
```

[2]:

	Country Name	Country Code	Indicator Name	Indicator Code	Attribute	Year	Gender_EQ_Score
0	Mauritius	684	Gender Inequality Index	GE_GII	Value	1990	0.505687
1	Mexico	273	Gender Development Index	GE_GDI	Value	1990	0.886701
2	Mexico	273	Gender Inequality Index	GE_GII	Value	1990	0.529219
3	Moldova	921	Gender Development Index	GE_GDI	Value	1990	NaN
4	Moldova	921	Gender Inequality Index	GE_GII	Value	1990	NaN

[4]:
```
#Separate GDI and GII into 2 DFs
df_gender_eq_gdi = df_gender_eq_transpose[df_gender_eq_transpose["Indicator␣
↪Code"] == 'GE_GDI']
df_rural_pop_gii = df_gender_eq_transpose[df_gender_eq_transpose["Indicator␣
↪Code"] == 'GE_GII']
```

[5]:
```
df_gender_eq_gdi.to_csv("../Data/GENDER_EQUALITY_2022/GDI_Cleaned.csv")
df_rural_pop_gii.to_csv("../Data/GENDER_EQUALITY_2022/GII_Cleaned.csv")
```

[ ]:
```

```