economy_infomation

May 1, 2022

Economoy Information

```python
[1]: import pandas as pd
     import numpy as np

     df_economy = pd.read_csv ('../Data/Economy/economy_data.csv')

     #df_economy.head()
```

```python
[2]: #Separate into 3 DFs
     df_econ_gdp_pc_growth = df_economy[df_economy["Series Code"] == 'NY.GDP.PCAP.KD.
      ↪ZG']
     df_econ_gdp_pc_ppp = df_economy[df_economy["Series Code"] == 'NY.GDP.PCAP.PP.
      ↪KD']
     df_econ_poverty_perc = df_economy[df_economy["Series Code"] == 'SI.POV.NAHC']
```

```python
[3]: df_econ_gdp_pc_growth = df_econ_gdp_pc_growth.melt(id_vars=["Series Name",␣
      ↪"Series Code", "Country Name","Country Code"],
             var_name="YearGDP",
             value_name="gdp_pc_growth")

     df_econ_gdp_pc_ppp = df_econ_gdp_pc_ppp.melt(id_vars=["Series Name", "Series␣
      ↪Code", "Country Name","Country Code"],
             var_name="YearGDP_PPP",
             value_name="gdp_pc_ppp")

     df_econ_poverty_perc = df_econ_poverty_perc.melt(id_vars=["Series Name",␣
      ↪"Series Code", "Country Name","Country Code"],
             var_name="Year_Poverty",
             value_name="poverty_perc")
```

```python
[4]: #Change year to 4 digits only.
     df_econ_gdp_pc_growth['YearGDP'] = df_econ_gdp_pc_growth['YearGDP'].str[:4]
     df_econ_gdp_pc_ppp['YearGDP_PPP'] = df_econ_gdp_pc_ppp['YearGDP_PPP'].str[:4]
     df_econ_poverty_perc['Year_Poverty'] = df_econ_poverty_perc['Year_Poverty'].
      ↪str[:4]
```

```python
#Separate % of total and % growth into 2 DFs
df_econ_gdp_pc_growth = df_econ_gdp_pc_growth.replace('..',np.NaN)
df_econ_gdp_pc_ppp = df_econ_gdp_pc_ppp.replace('..',np.NaN)
df_econ_poverty_perc = df_econ_poverty_perc.replace('..',np.NaN)



df_econ_gdp_pc_growth.to_csv("../Data/Cleaned_Data/gdp_pc_growth_cleaned.csv")
df_econ_gdp_pc_ppp.to_csv("../Data/Cleaned_Data/gdp_pc_ppp_cleaned.csv")
df_econ_poverty_perc.to_csv("../Data/Cleaned_Data/poverty_pc_cleaned.csv")
```

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