|  |  |
| --- | --- |
| **Input tables** | **Output Tables** |
| **Table Name: 0 wikipedia-iso-country-codes.csv**  **--------------------------------------------------**  **Table Info:**  **-------------------------**  **<class 'pandas.core.frame.DataFrame'>**  **RangeIndex: 246 entries, 0 to 245**  **Data columns (total 5 columns):**  **# Column Non-Null Count Dtype**  **--- ------ -------------- -----**  **0 English short name lower case 246 non-null object**  **1 Alpha-2 code 245 non-null object**  **2 Alpha-3 code 246 non-null object**  **3 Numeric code 246 non-null int64**  **4 ISO 3166-2 246 non-null object**  **dtypes: int64(1), object(4)**  **memory usage: 9.7+ KB** | **Table Name: 0 wikipedia-iso-country-codes.csv**  **--------------------------------------------------**  **Table Info:**  **-------------------------**  **<class 'pandas.core.frame.DataFrame'>**  **Int64Index: 246 entries, 0 to 245**  **Data columns (total 7 columns):**  **# Column Non-Null Count Dtype**  **--- ------ -------------- -----**  **0 country\_id 246 non-null int32**  **1 english\_name 246 non-null object**  **2 alpha\_2\_code 246 non-null object**  **3 alpha\_3\_code 246 non-null object**  **4 numeric\_code 246 non-null int64**  **5 iso\_3166\_2 246 non-null object**  **6 land\_area 246 non-null float64**  **dtypes: float64(1), int32(1), int64(1), object(4)**  **memory usage: 14.4+ KB** |
| **Table Name: 1 population\_by\_country\_2020.csv**  **--------------------------------------------------**  **Table Info:**  **-------------------------**  **<class 'pandas.core.frame.DataFrame'>**  **RangeIndex: 235 entries, 0 to 234**  **Data columns (total 11 columns):**  **# Column Non-Null Count Dtype**  **--- ------ -------------- -----**  **0 Country (or dependency) 235 non-null object**  **1 Population (2020) 235 non-null int64**  **2 Yearly Change 235 non-null object**  **3 Net Change 235 non-null int64**  **4 Density (P/Km²) 235 non-null int64**  **5 Land Area (Km²) 235 non-null int64**  **6 Migrants (net) 201 non-null float64**  **7 Fert. Rate 235 non-null object**  **8 Med. Age 235 non-null object**  **9 Urban Pop % 235 non-null object**  **10 World Share 235 non-null object**  **dtypes: float64(1), int64(4), object(6)**  **memory usage: 20.3+ KB** | **Table Name: 1 population\_by\_country\_2020.csv**  **--------------------------------------------------**  **Table Info:**  **-------------------------**  **<class 'pandas.core.frame.DataFrame'>**  **Int64Index: 195 entries, 0 to 233**  **Data columns (total 8 columns):**  **# Column Non-Null Count Dtype**  **--- ------ -------------- -----**  **0 Yearly Change 195 non-null object**  **1 net\_change 195 non-null int64**  **2 migrants 195 non-null float64**  **3 fert\_Rate 195 non-null object**  **4 med\_age 195 non-null object**  **5 urban\_pop 195 non-null object**  **6 country\_id 195 non-null float64**  **7 yearly\_id 195 non-null int64**  **dtypes: float64(2), int64(2), object(4)**  **memory usage: 13.7+ KB** |
| **Table Name: 2 world-happiness-report.csv**  **--------------------------------------------------**  **Table Info:**  **-------------------------**  **<class 'pandas.core.frame.DataFrame'>**  **RangeIndex: 1949 entries, 0 to 1948**  **Data columns (total 11 columns):**  **# Column Non-Null Count Dtype**  **--- ------ -------------- -----**  **0 Country name 1949 non-null object**  **1 year 1949 non-null int64**  **2 Life Ladder 1949 non-null float64**  **3 Log GDP per capita 1913 non-null float64**  **4 Social support 1936 non-null float64**  **5 Healthy life expectancy at birth 1894 non-null float64**  **6 Freedom to make life choices 1917 non-null float64**  **7 Generosity 1860 non-null float64**  **8 Perceptions of corruption 1839 non-null float64**  **9 Positive affect 1927 non-null float64**  **10 Negative affect 1933 non-null float64**  **dtypes: float64(9), int64(1), object(1)** | **Table Name: 2 world-happiness-report.csv**  **--------------------------------------------------**  **Table Info:**  **-------------------------**  **<class 'pandas.core.frame.DataFrame'>**  **Int64Index: 1834 entries, 0 to 148**  **Data columns (total 9 columns):**  **# Column Non-Null Count Dtype**  **--- ------ -------------- -----**  **0 yearly\_id 1834 non-null int64**  **1 life\_ladder 1834 non-null float64**  **2 log\_gdp\_per\_capita 1834 non-null float64**  **3 social\_support 1834 non-null float64**  **4 healthy\_life\_expectancy\_at\_birth 1834 non-null float64**  **5 freedom\_to\_make\_life\_choices 1834 non-null float64**  **6 generosity 1834 non-null float64**  **7 perceptions\_of\_corruption 1834 non-null float64**  **8 country\_id 1834 non-null float64**  **dtypes: float64(8), int64(1)**  **memory usage: 143.3 KB** |
| **Table Name: 3 world-happiness-report-2021.csv**  **--------------------------------------------------**  **Table Info:**  **-------------------------**  **<class 'pandas.core.frame. DataFrame'>**  **RangeIndex: 149 entries, 0 to 148**  **Data columns (total 20 columns):**  **# Column Non-Null Count Dtype**  **--- ------ -------------- -----**  **0 Country name 149 non-null object**  **1 Regional indicator 149 non-null object**  **2 Ladder score 149 non-null float64**  **3 Standard error of ladder score 149 non-null float64**  **4 upperwhisker 149 non-null float64**  **5 lowerwhisker 149 non-null float64**  **6 Logged GDP per capita 149 non-null float64**  **7 Social support 149 non-null float64**  **8 Healthy life expectancy 149 non-null float64**  **9 Freedom to make life choices 149 non-null float64**  **10 Generosity 149 non-null float64**  **11 Perceptions of corruption 149 non-null float64**  **12 Ladder score in Dystopia 149 non-null float64**  **13 Explained by: Log GDP per capita 149 non-null float64**  **14 Explained by: Social support 149 non-null float64**  **15 Explained by: Healthy life expectancy 149 non-null float64**  **16 Explained by: Freedom to make life choices 149 non-null float64**  **17 Explained by: Generosity 149 non-null float64**  **18 Explained by: Perceptions of corruption 149 non-null float64**  **19 Dystopia + residual 149 non-null float64**  **dtypes: float64(18), object(2)**  **memory usage: 23.4+ KB** | **Have been added to other table** |
|  | **created**  **Table Name: 3 yearly**  **--------------------------------------------------**  **Table Info:**  **-------------------------**  **<class 'pandas.core.frame.DataFrame'>**  **RangeIndex: 99 entries, 0 to 98**  **Data columns (total 2 columns):**  **# Column Non-Null Count Dtype**  **--- ------ -------------- -----**  **0 yearly\_id 99 non-null object**  **1 past\_year 99 non-null object**  **dtypes: object(2)**  **memory usage: 1.7+ KB** |