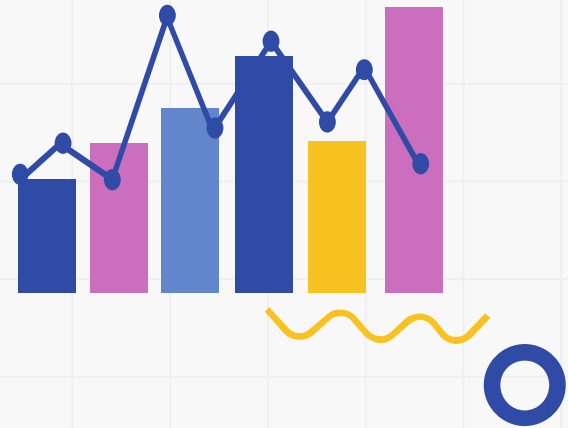


Correlation between Mental Health Disorder Rates and Global Demographic Factors

Shevya, Bay, Sarah, Tori, & Alice





Data Selection

Initial Data:

- Interest in global trends across variables such as mental health and crime rates

Challenge: Struggled to find two compatible datasets that had significant data for analysis post-cleaning. Looked into SA rates dataset with drug and alcohol use disorder prevalence in different countries but this was too limited.

→ **Solution:** Combined data on mental health and crime(SA) into one dataframe;
Added new dataset called "Gapminder" from R on global demographic factors

TOPIC: Correlation between Mental Health Disorder Rates and Global Demographic Factors

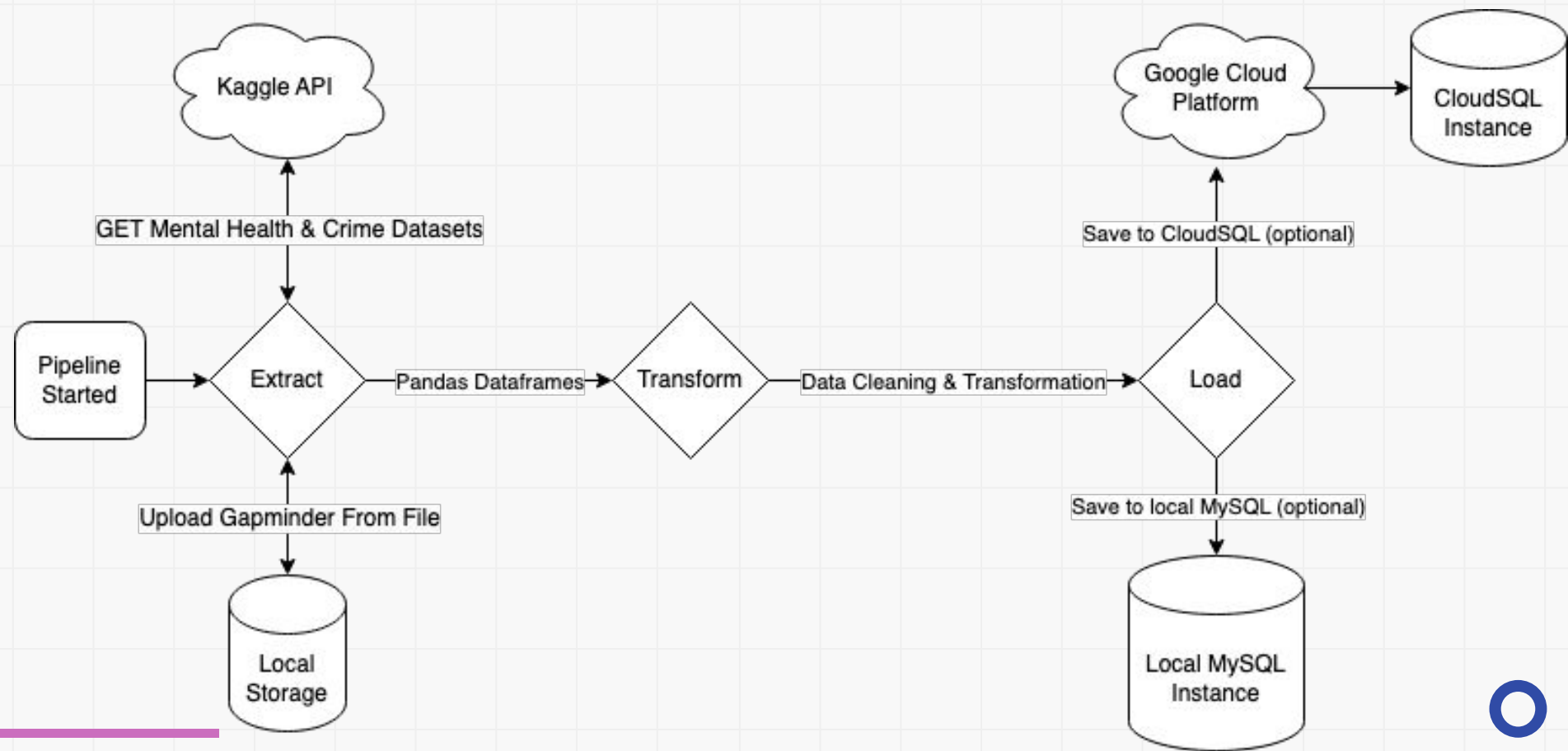
Data Cleaning:

- Combine our SA and Mental Health datasets on Entity and year to exclude all the data not present in both
- Removed unnecessary variables: ["Code", "Bipolar disorder (%)", "Eating disorders (%)"]

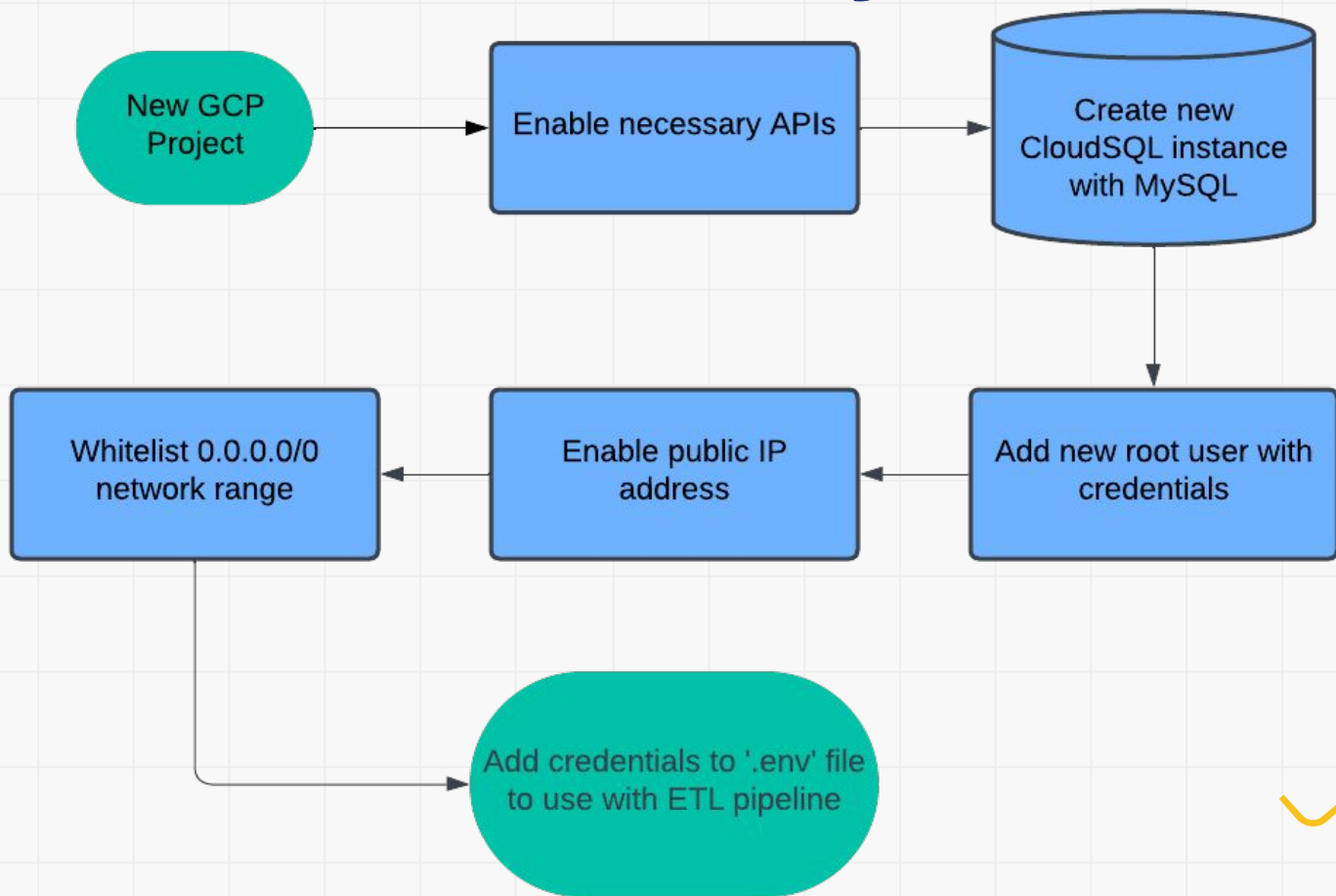
	Entity	Year	Schizophrenia (%)	Anxiety disorders (%)	Drug use disorders (%)	Depression (%)	Alcohol use disorders (%)	Sexual Violence Rate
0	Albania	2005	0.196538	3.385416	0.497503	2.223407	1.716585	2.832771

	country	year	infant_mortality	life_expectancy	fertility	population	gdp	continent	region
0	Belgium	2003	4.2	78.5	1.70	10426169.0	2.396593e+11	Europe	Western Europe

ETL Process

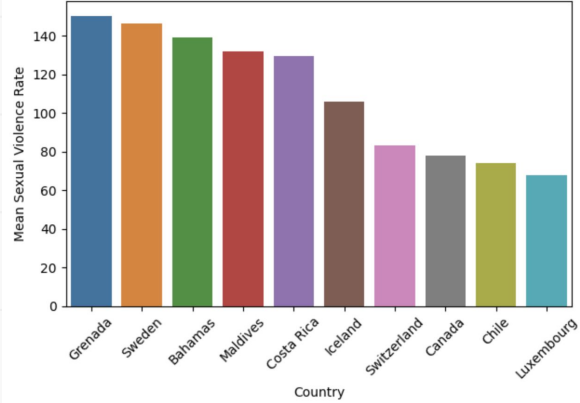


Cloud Storage

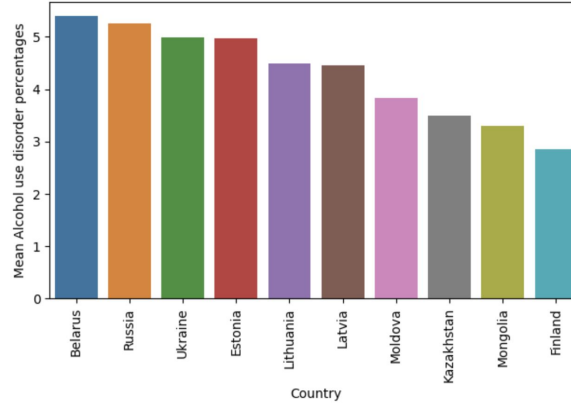


Analysis

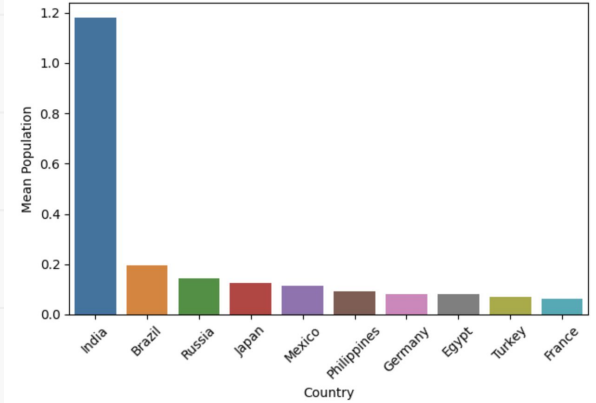
Mean Sexual Violence Rate of top 10 countries



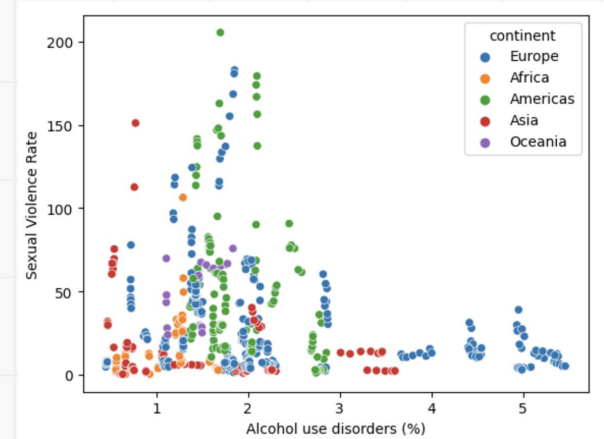
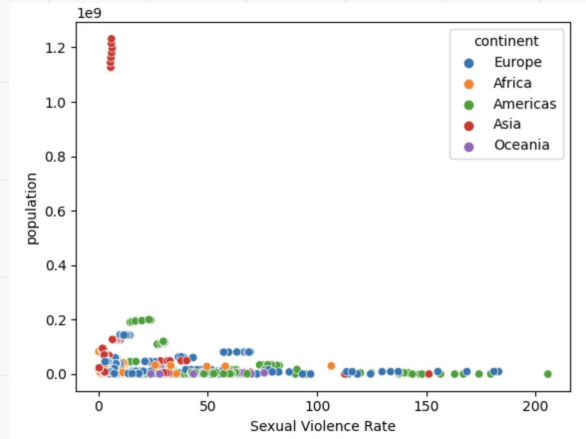
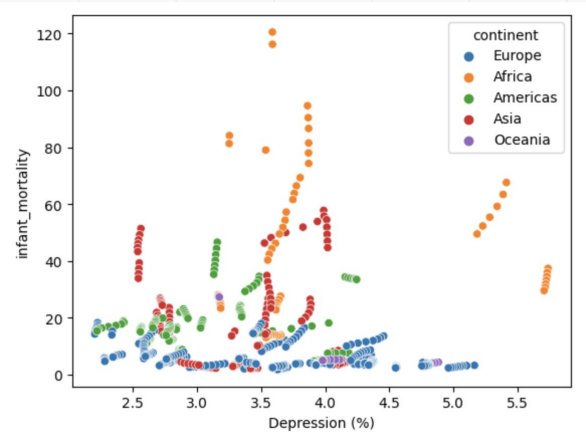
Mean Alcohol use disorder percentages of top 10 countries



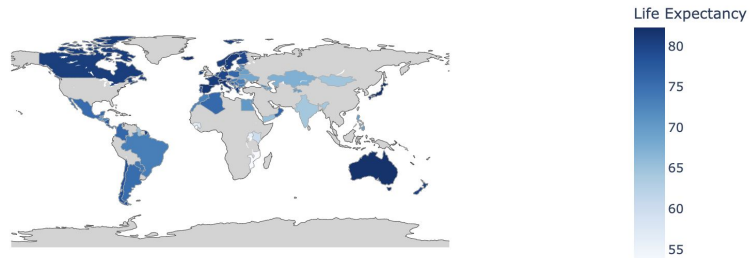
Mean Population of top 10 countries



Analysis



Life Expectancy by Country



Anxiety Disorders by Country

