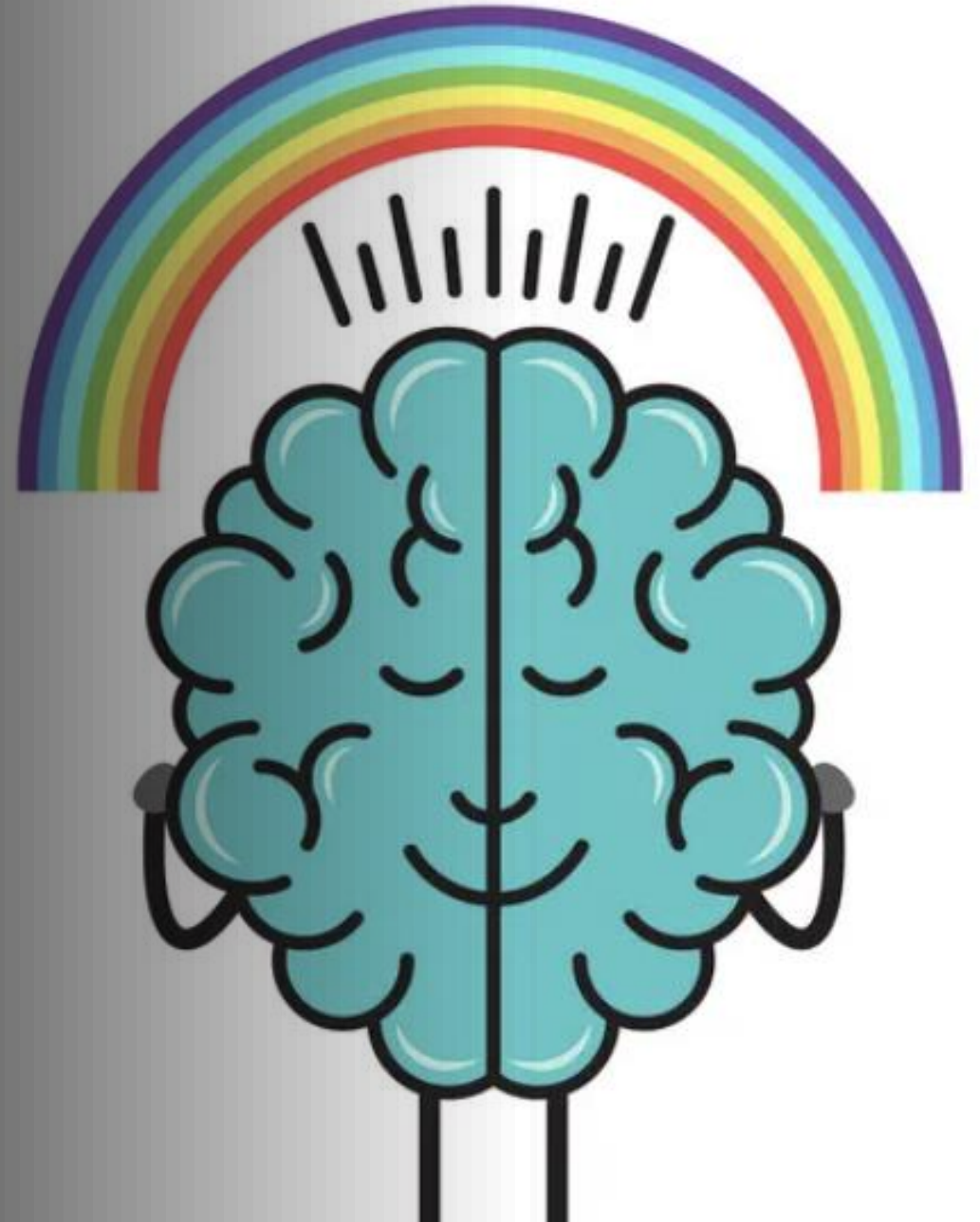


Factors affecting depression :an exploratory data analysis

AIT Final Project

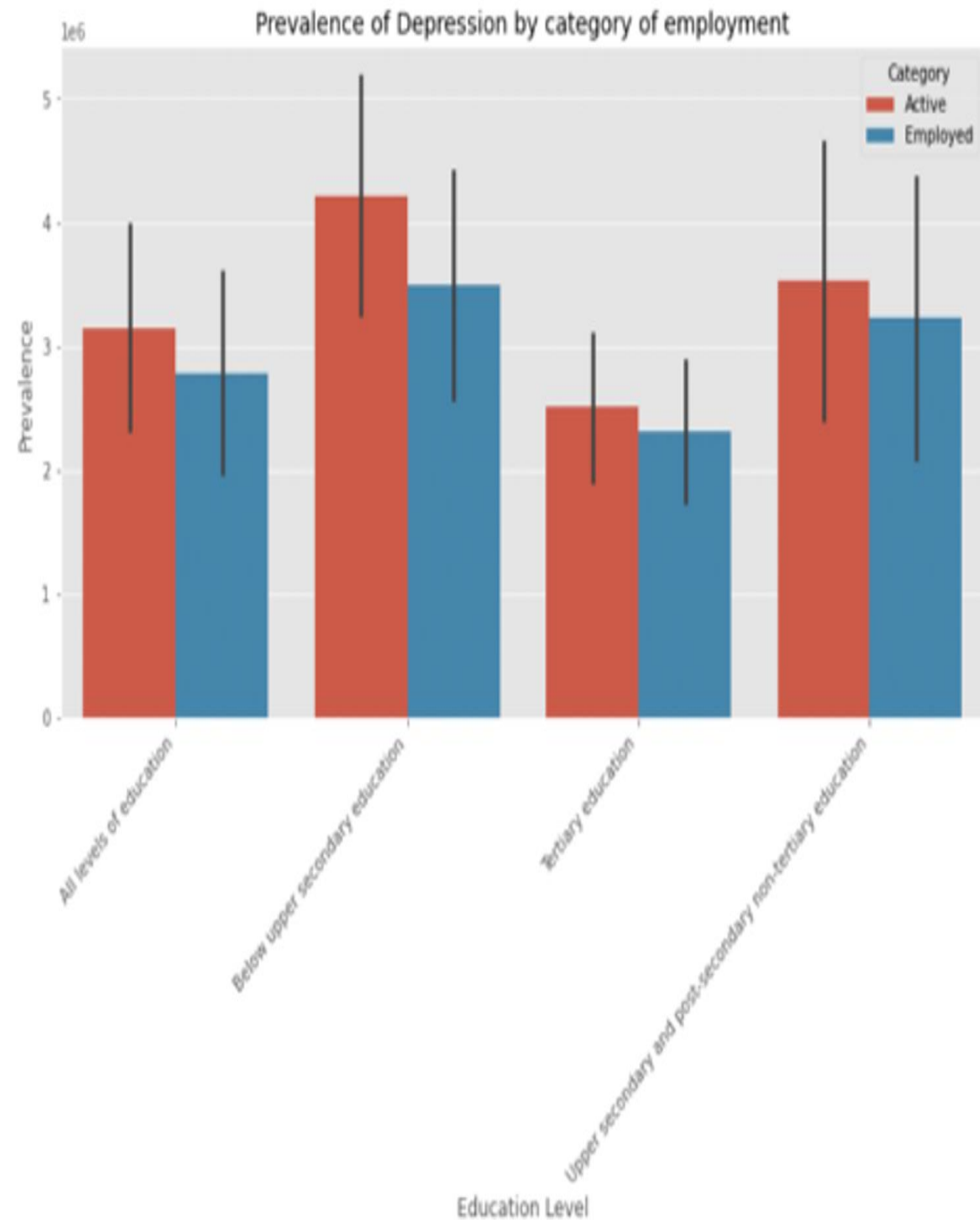
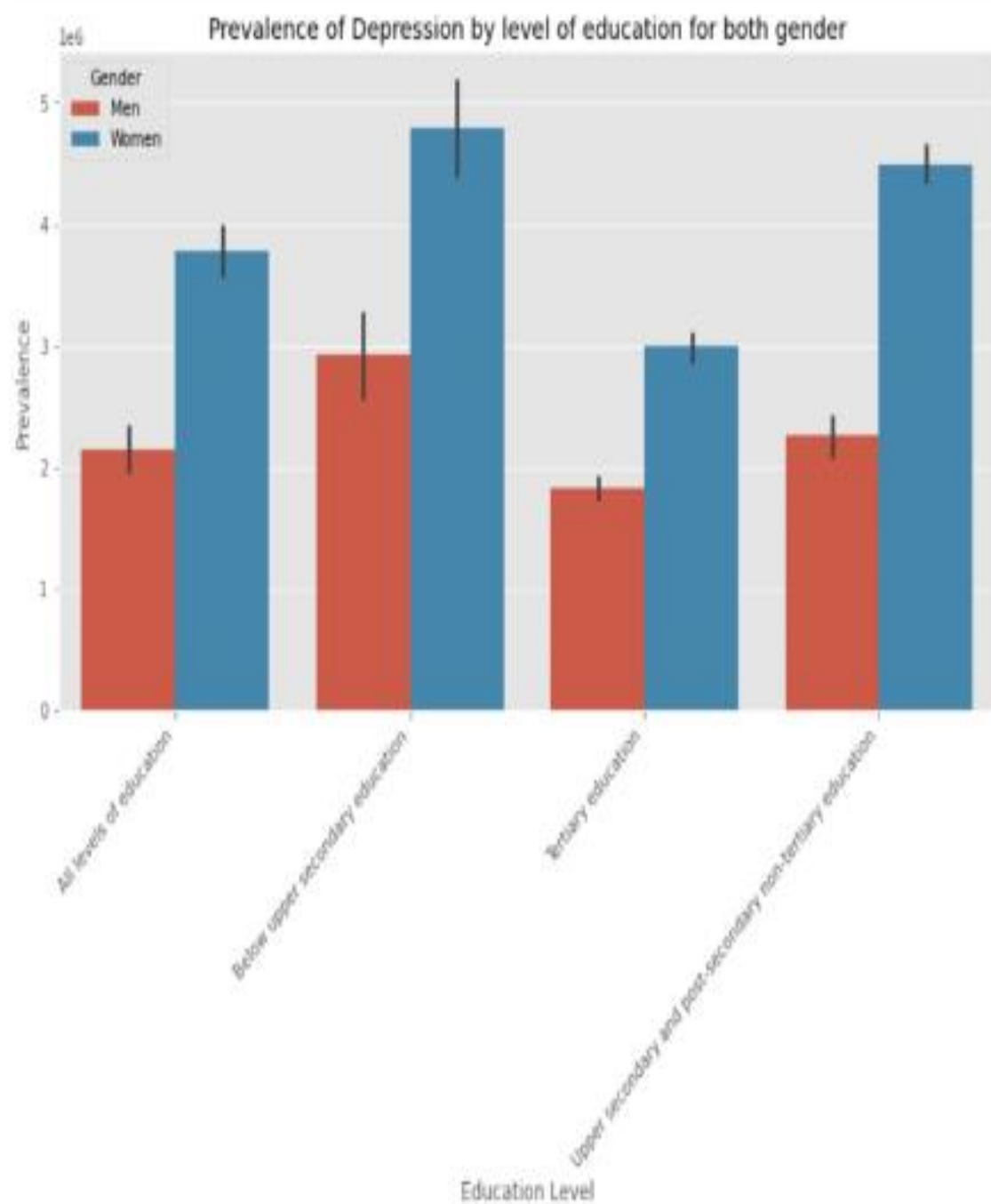


Overview and dataset:

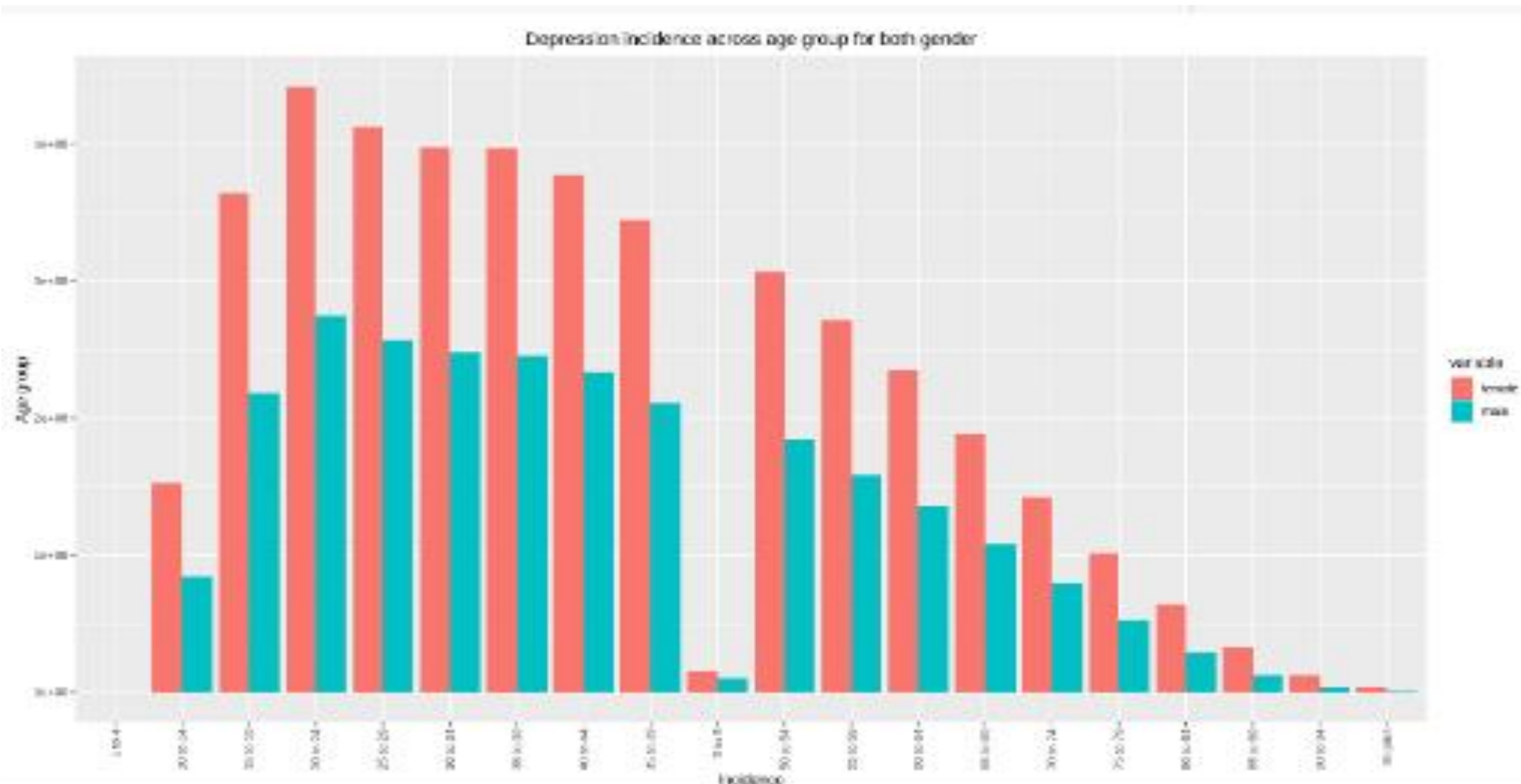
- WHO states 3.8% of the total world population have depression.
- CDC (Centers for Disease Control) states that a person's mental health can change overtime with proper care and treatment
- In this paper, I have attempted to understand depression and the various factors effecting it through exploratory data analysis using data world mental health dataset collected from 1990 to 2019 across different countries of the world.

Research Questions:

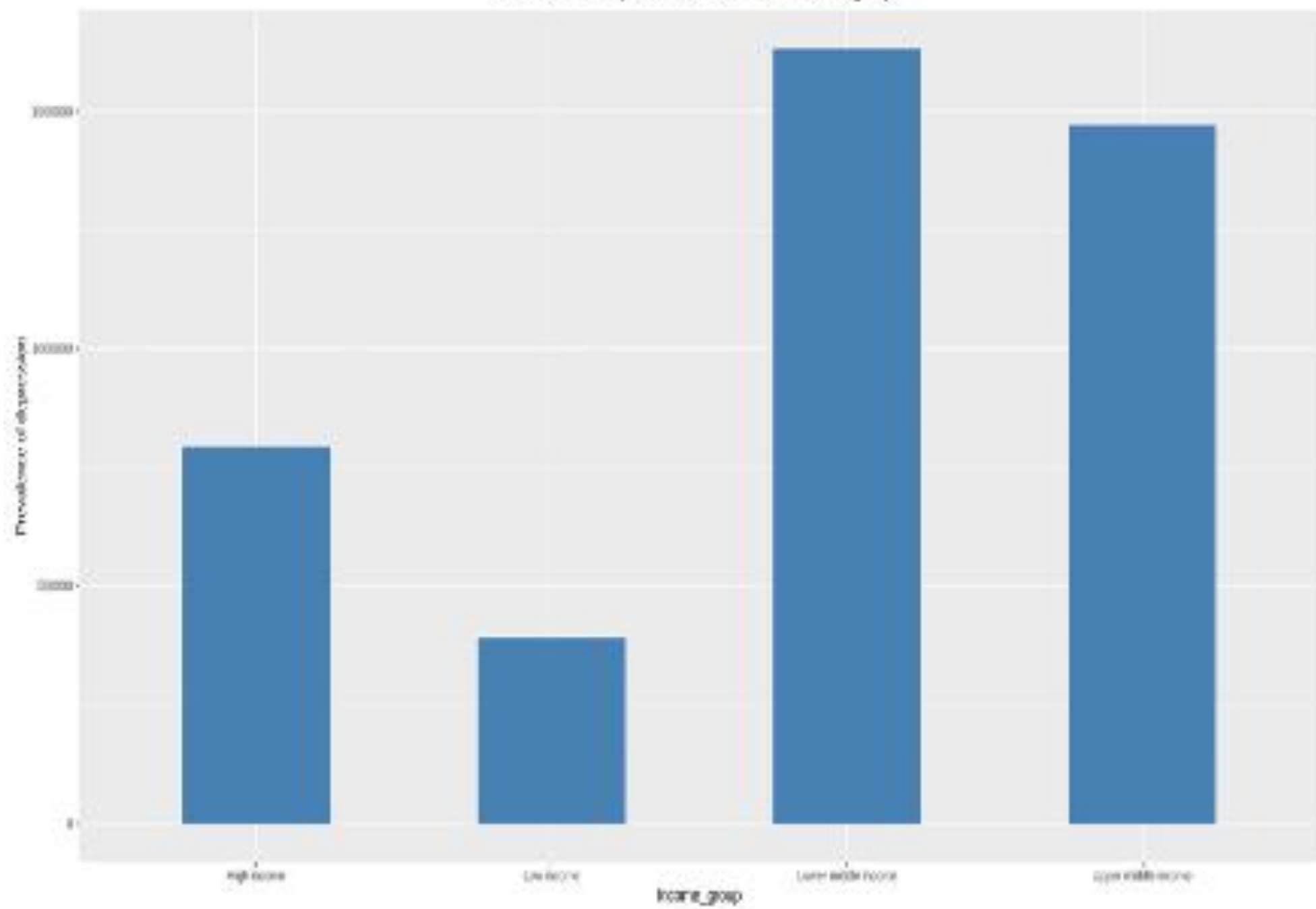
- How level of education of a person can influence depression factor?
- Is there a pattern between factors like age, gender of a person and mental disorders?
- Which country has the most mental disorders reported ?



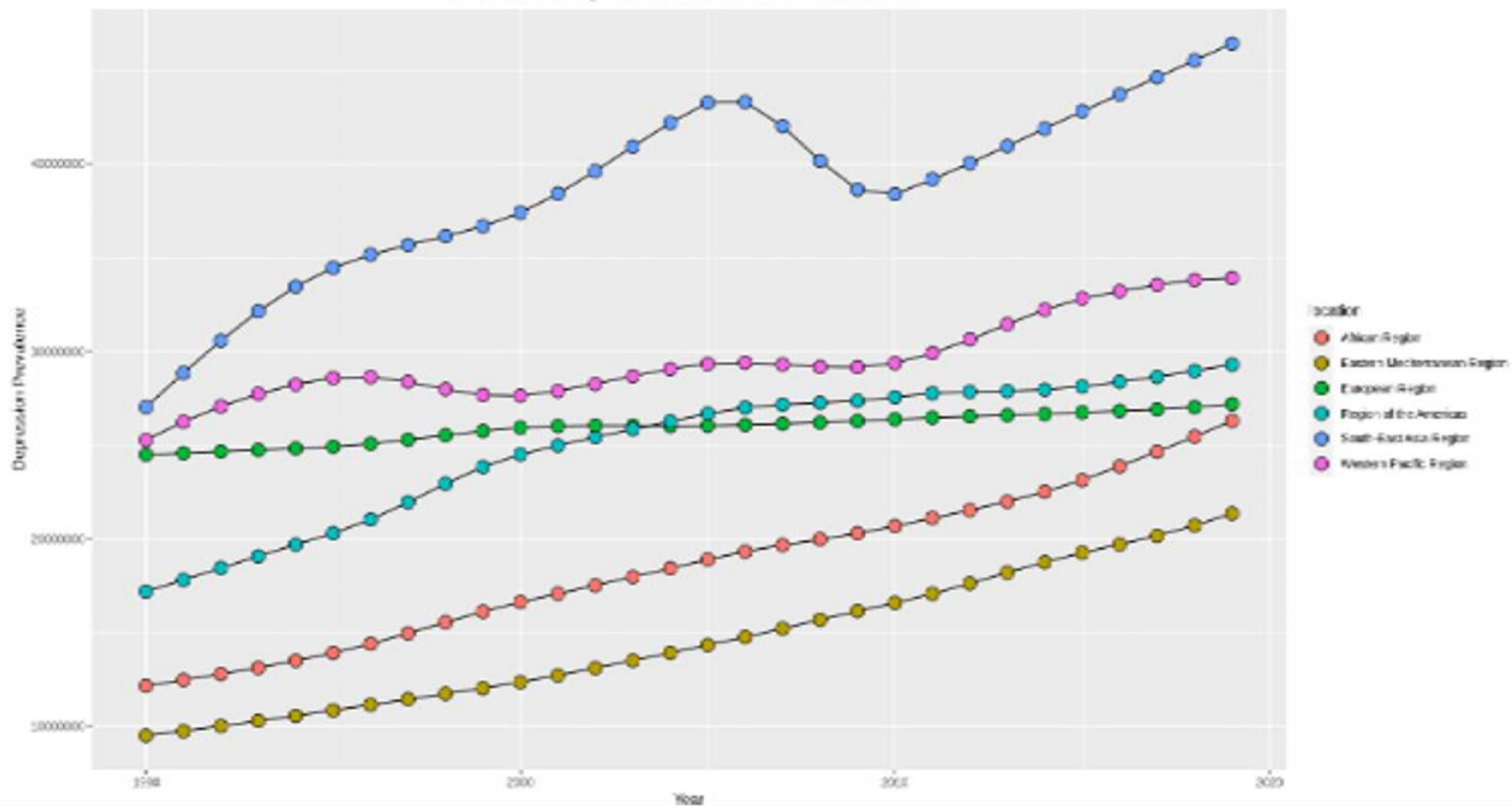
Incidence of depression across age group for both genders.



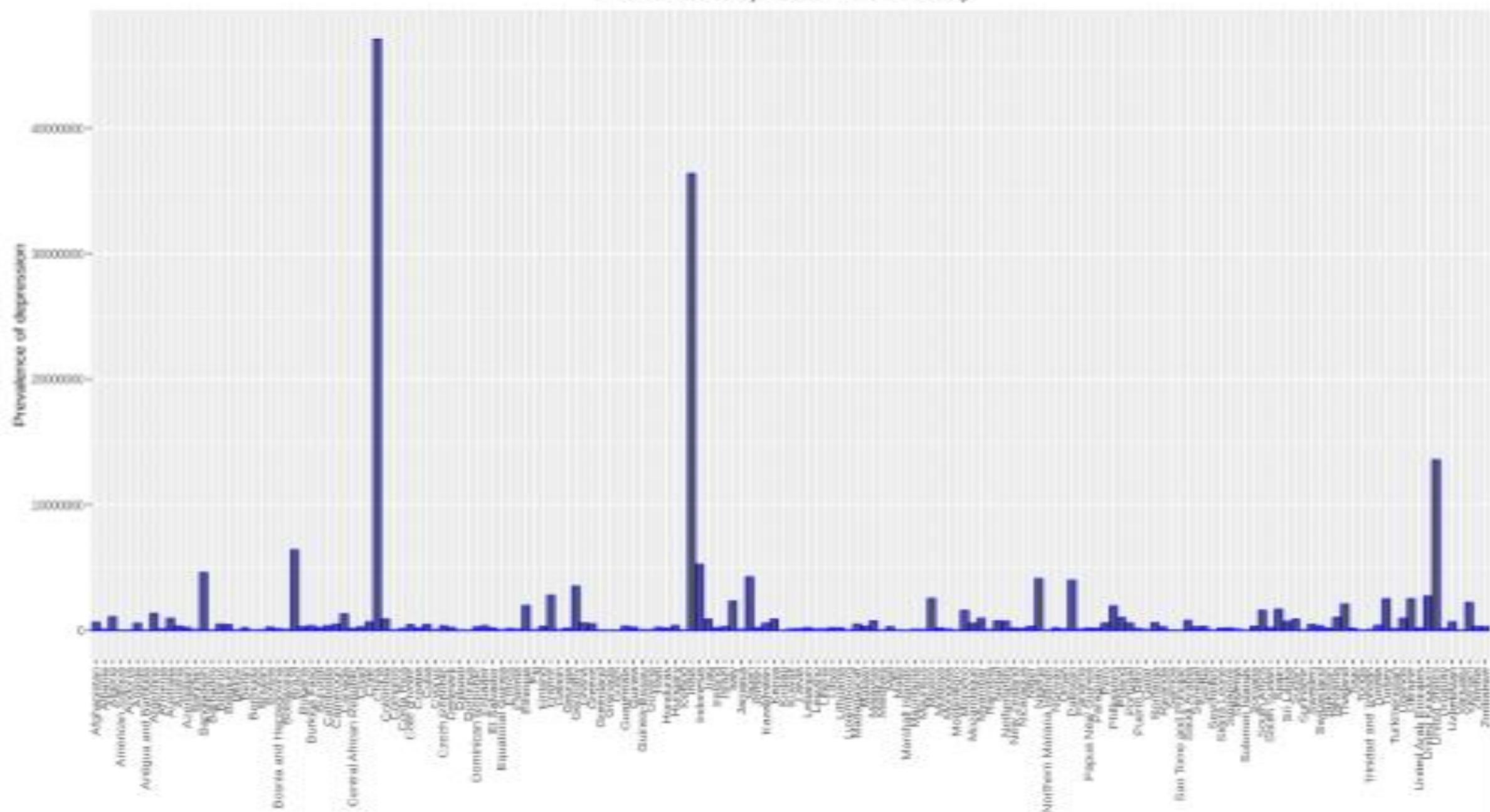
Prevalence of Depression across different income groups



Prevalence of depression across World from 1990 to 2019



Prevalence of Depression across the country



Conclusion

- Female population have a higher susceptibility to develop depression.
- Age group from 20 –49 exhibit a higher depression rate.
- Income group of a country and depression rate did not show any pattern in their relation.
- Level of education and depression were found to be inversely proportional.