

# Survey Project:

## Major Problems Faced by Indians

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Indian Institute of Information Technology, Kota

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# Introduction

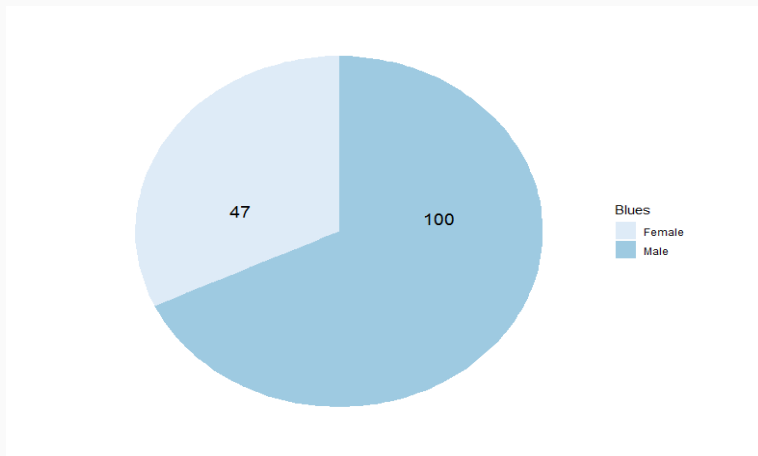
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## Survey Objective

- To analyze different problems faced by Indians and its impact on different age group and salary.

## Summary of data

- Online collected data (Using google form) : 147 samples
- Age group : 13-51 years
- Demographic : People from different cities and villages in various states such as Rajasthan, Telangana, Maharashtra, etc.



**Figure 1:** Gender Diversity in Survey

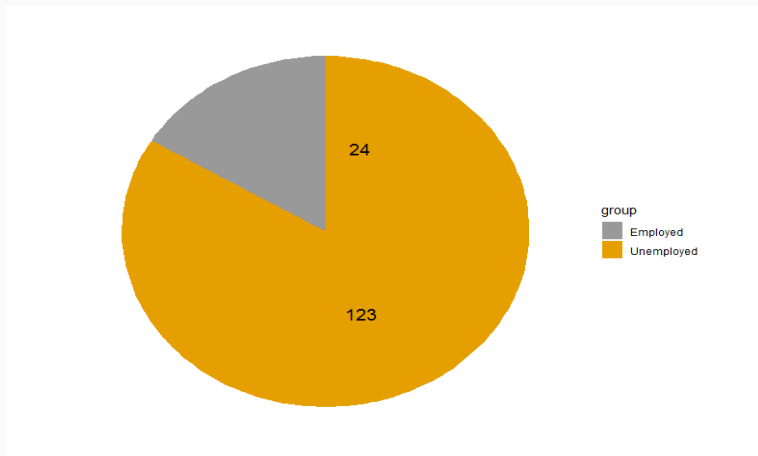


Figure 2: Employed and Unemployed in survey

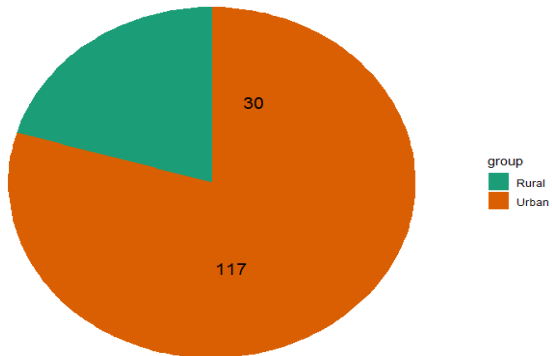


Figure 3: Demographic Diversity in Survey



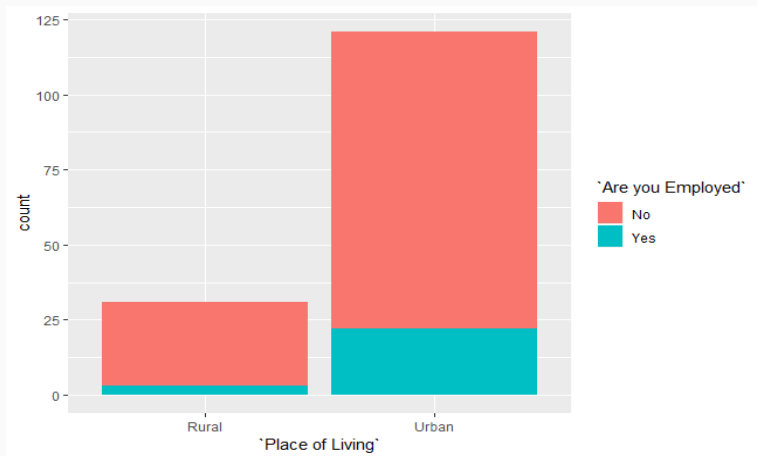


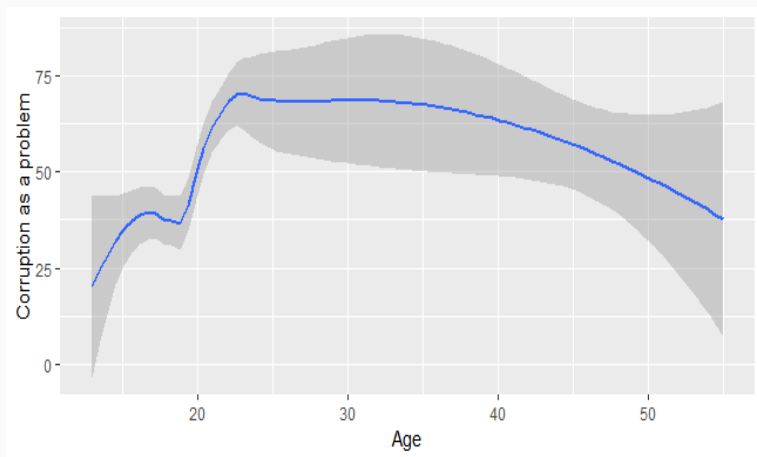
Figure 4: Place of Living vs Employment Status

## Major problems faced by Indians

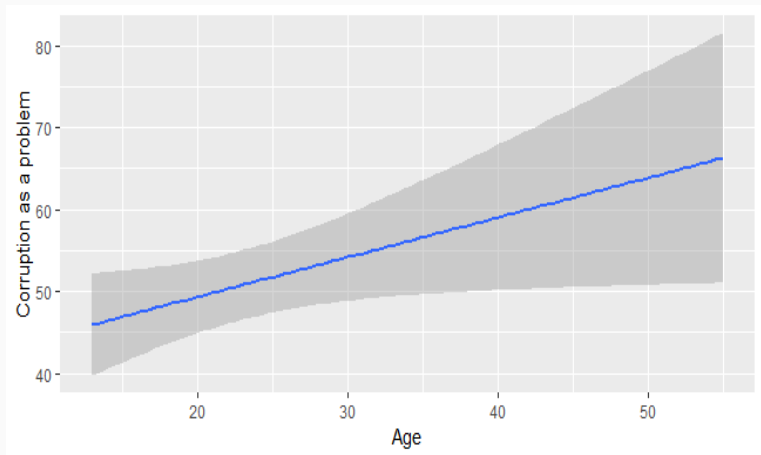
- Corruption
- Reservation
- Safety
- Water scarcity
- Pollution
- Health facility
- Sanitation
- Traffic
- Gender inequality

## Relation between different factors

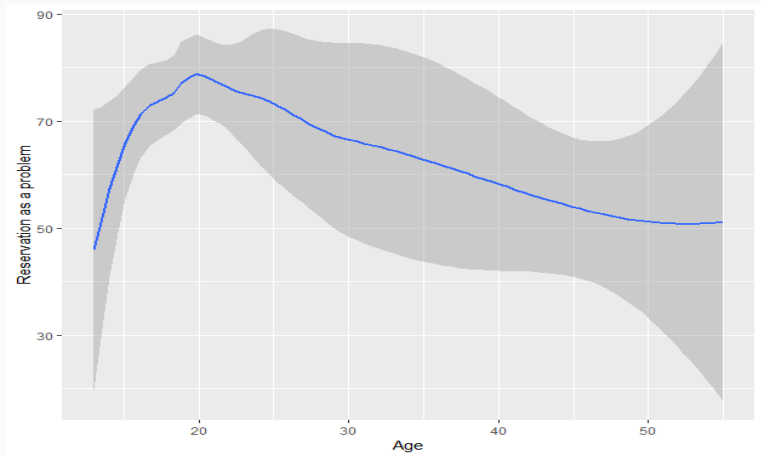
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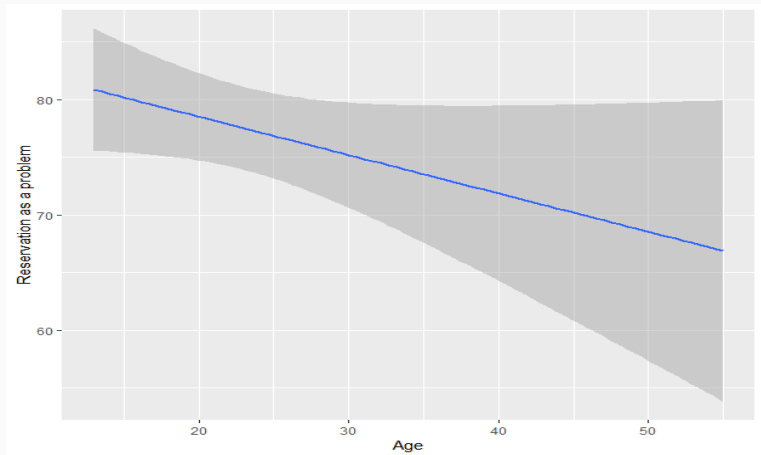
**Figure 5:** Percentage of Corruption -Age



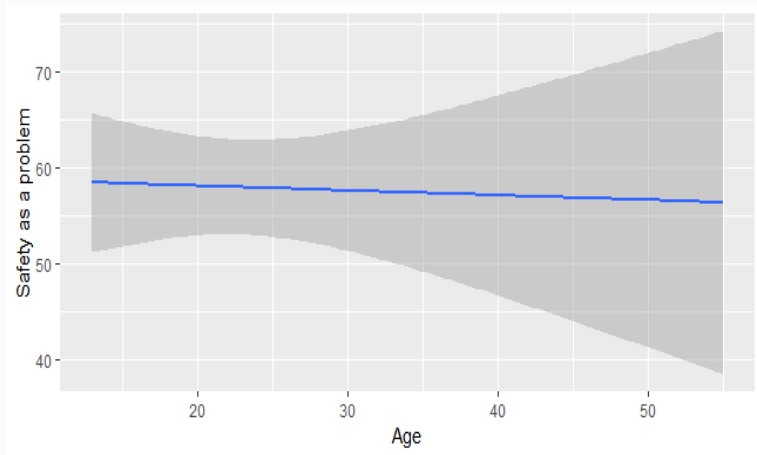
**Figure 6:** Linear Model of Percentage of Corruption -Age (p-value: 0.02)



**Figure 7:** Percentage of Reservation -Age



**Figure 8:** Linear Model of Percentage of Reservation -Age (p-value: 0.67)



**Figure 9:** Linear Model of Percentage of Safety as problem -Age (p-value: 0.09)



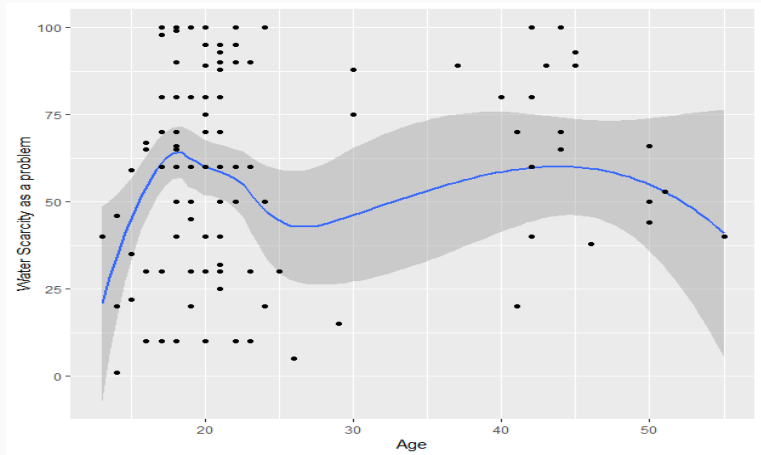
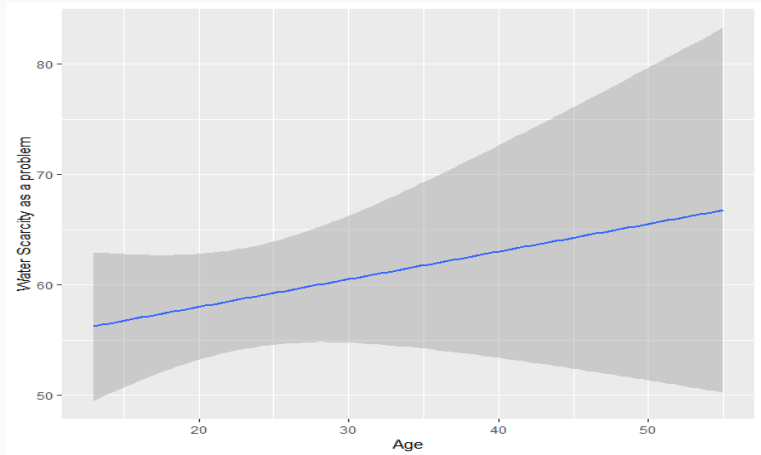


Figure 10: Percentage of Water Scarcity as problem -Age



**Figure 11:** Linear Model of Percentage of Water Scarcity as problem -Age  
(p-value: 0.14)

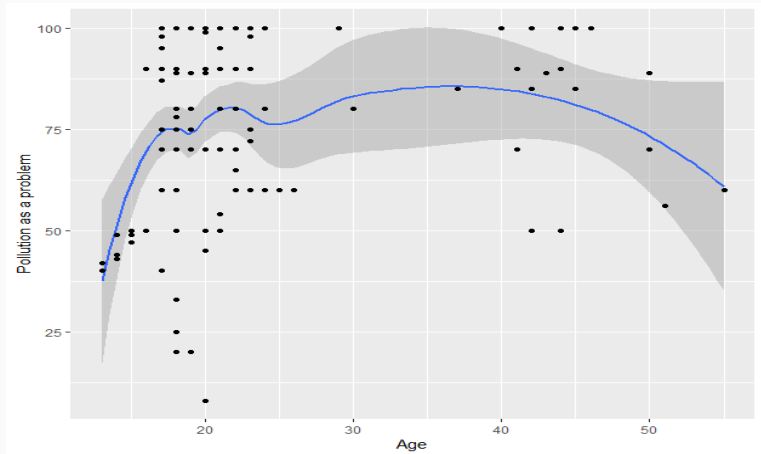
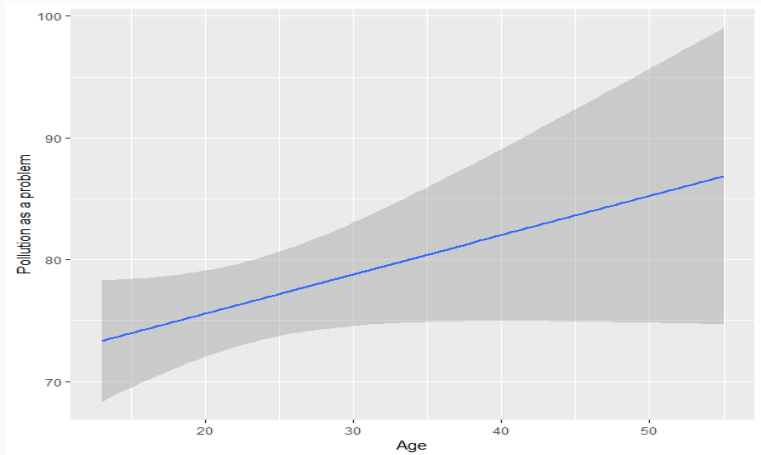


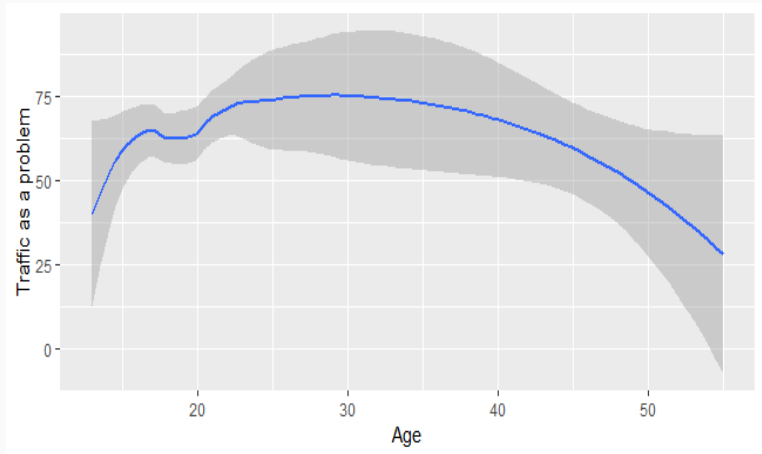
Figure 12: Percentage of Pollution as problem -Age



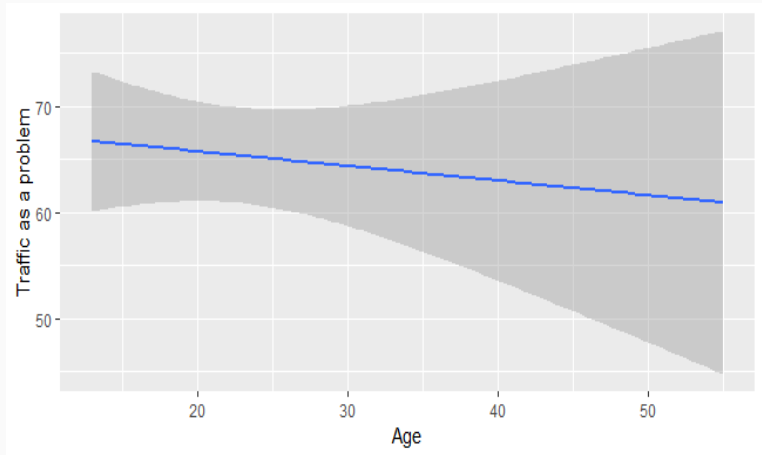
**Figure 13:** Linear Model of Percentage of Pollution as problem -Age (p-value: 0.04)



**Figure 14:** Place of living vs sanitation



**Figure 15:** Percentage of Traffic as problem -Age



**Figure 16:** Linear Model of Percentage of Traffic as problem -Age (p-value: 0.55)

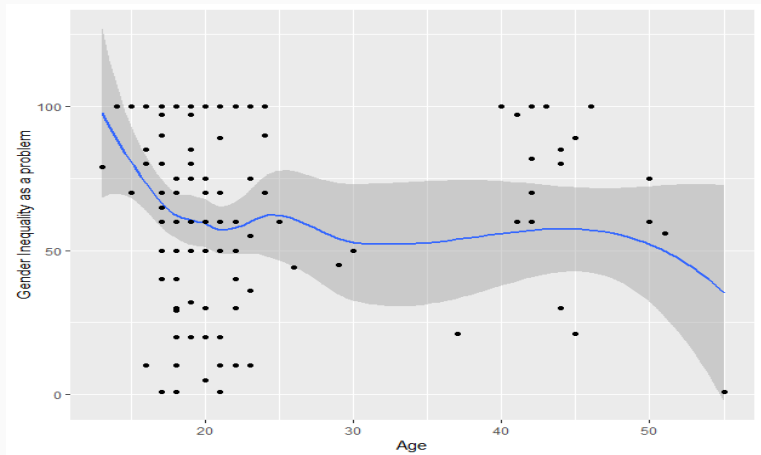
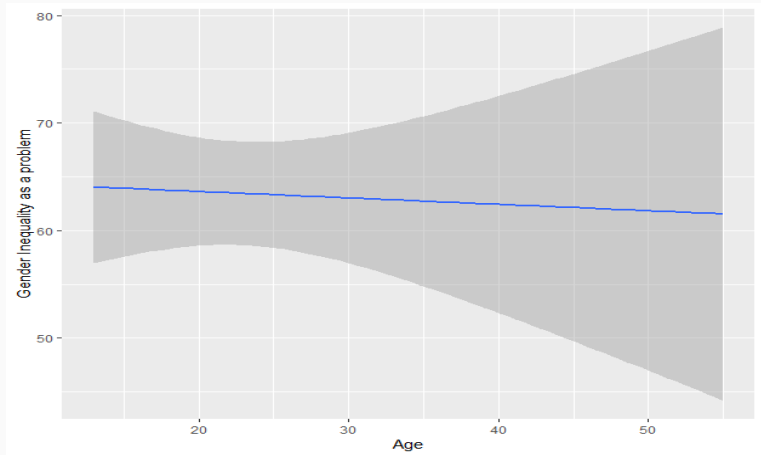
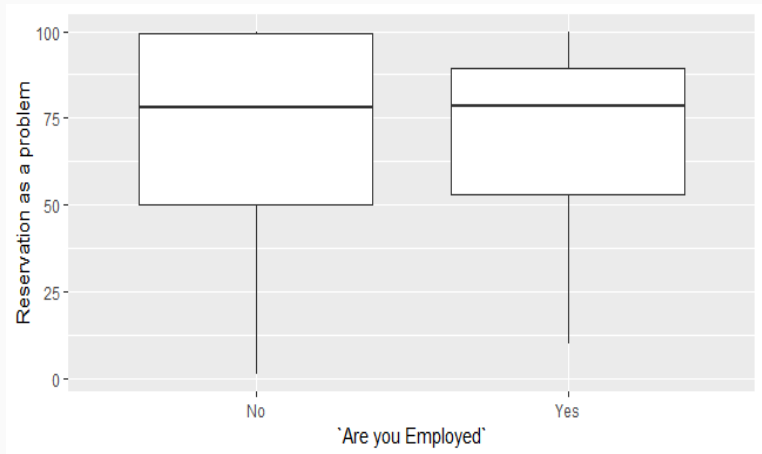


Figure 17: Percentage of Gender Inequality as problem -Age





**Figure 18:** Linear Model of Percentage of Gender Inequality as problem -Age  
(p-value: 0.53)



**Figure 19:** Percentage of Reservation as Problem vs Employment Status

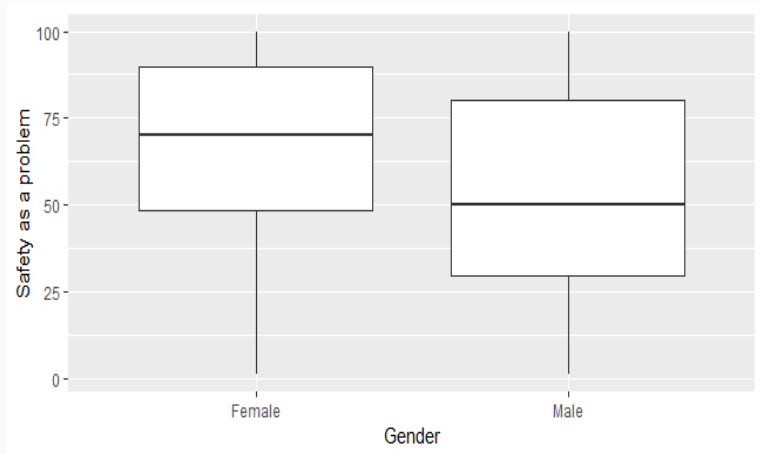
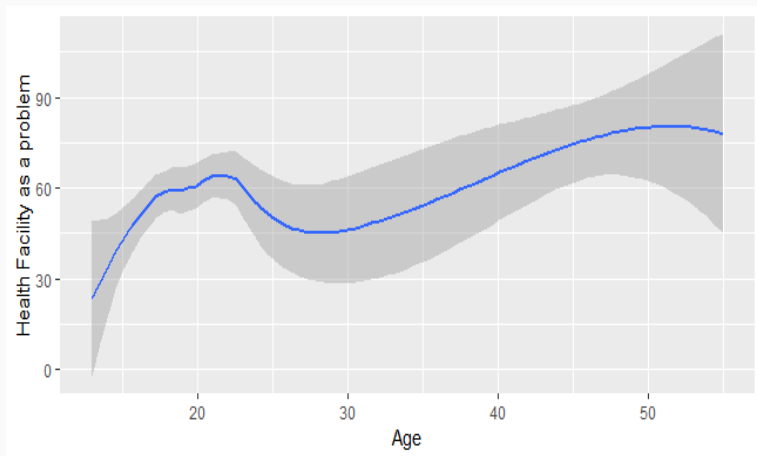
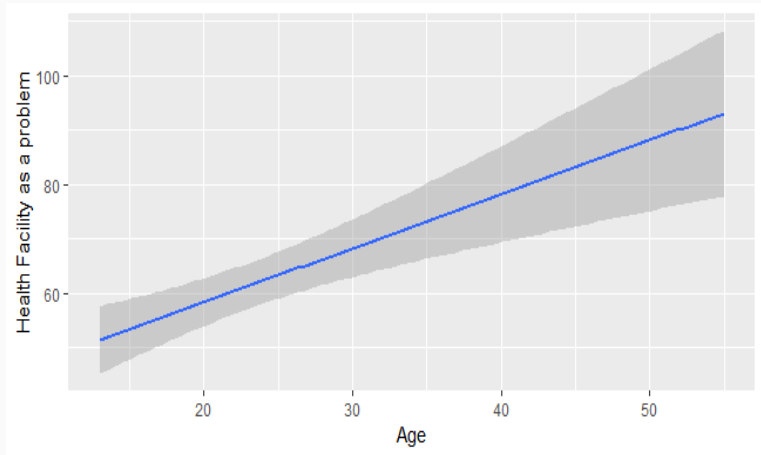


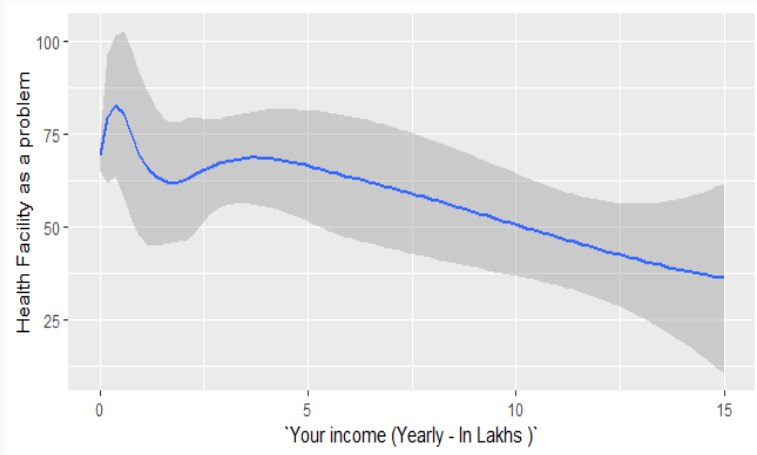
Figure 20: Percentage of Safety as Problem vs Gender



**Figure 21:** Percentage of Health Facility as problem -Age



**Figure 22:** Linear Model of Percentage of Health Facility as problem -Age  
(p-value: 0.19)



**Figure 23:** Percentage of Health facility as a problem vs Annual Income (p-value: 0.24)

# Problems

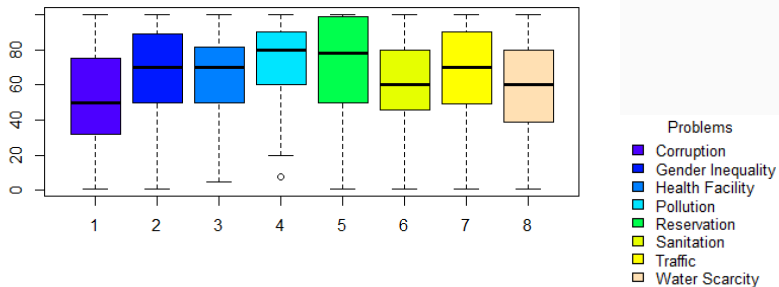


Figure 24: Problems

# Linear Model Result

```
call:
lm(formula = Age ~ `Place of Living` + `Rate corruption as a problem ( Enter number between 1-100)` +
  `Rate Pollution as a problem ( Enter number between 1-100)` +
  `Rate Safety as a problem ( Enter number between 1-100)` +
  `Rate Sanitation as a problem ( Enter number between 1-100)` +
  `Rate Gender Inequality as a problem ( Enter number between 1-100)` +
  `Rate Reservation as a problem ( Enter number between 1-100)` +
  `Rate Traffic as a problem ( Enter number between 1-100)` +
  `Rate water scarcity as a problem ( Enter number between 1-100)`)
```

```
Residual standard error: 8.602 on 136 degrees of freedom
(1 observation deleted due to missingness)
Multiple R-squared:  0.1964,    Adjusted R-squared:  0.1433 
F-statistic: 3.694 on 9 and 136 DF,  p-value: 0.0003619
```

Figure 25: Linear Model Results



# Conclusion

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# Conclusion

- People between Age 17-25 years sees reservation as a major problem.
- The working class faces the most number of problems mainly traffic and corruption.
- People having more income do not think health facility as a major problem.
- Unemployed people finds reservation as a major problem.
- Safety is a major Problem for Females as compared to Males.

Thank You