

Industrial Accidents

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Project Title: Industrial Labor Accidents

Source: Kaggle dataset

INTRODUCTION :

Labor death is a very common issue in industrial field. The following dataset shows the death in different deaths in different regions in different countries. The different variables present in the data set is shown below:

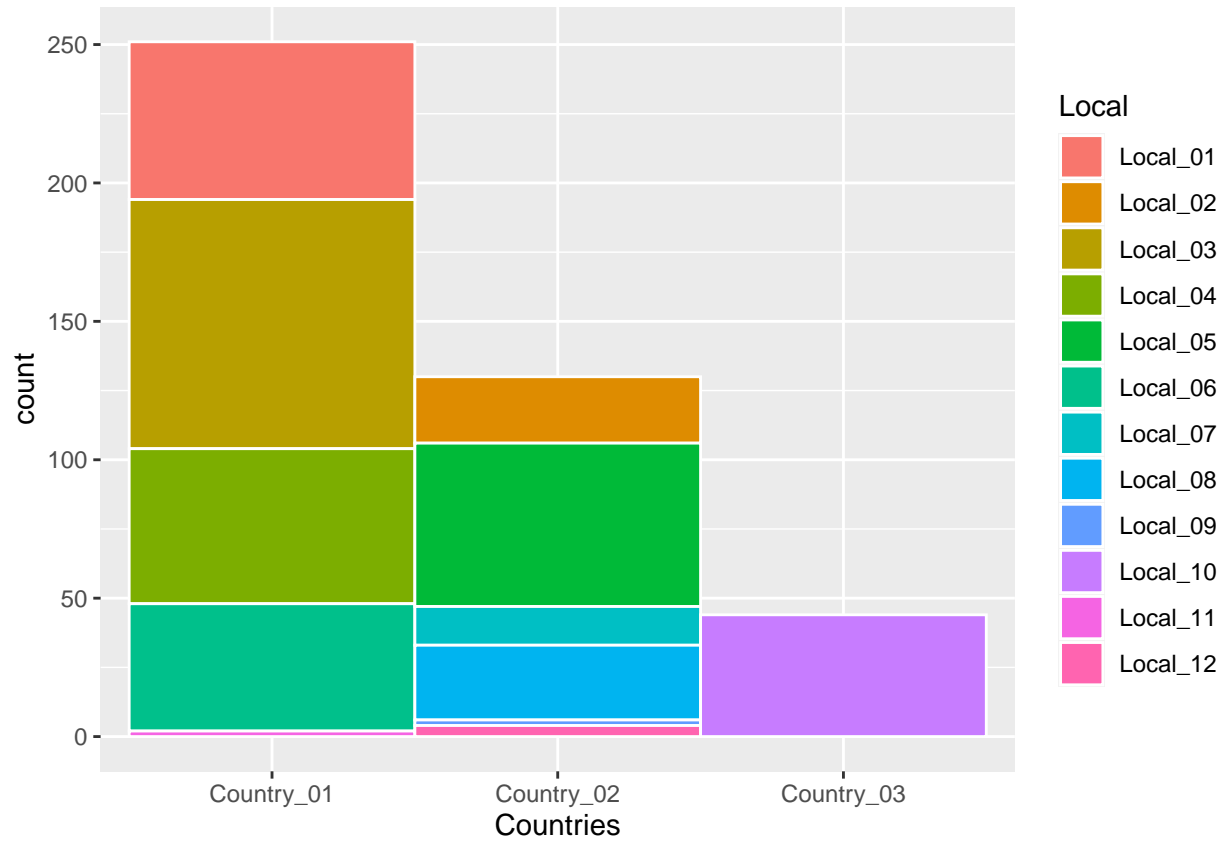
```
## [1] "X"                                "Data"
## [3] "Countries"                       "Local"
## [5] "Industry.Sector"                 "Accident.Level"
## [7] "Potential.Accident.Level"        "Genre"
## [9] "Employee.or.Third.Party"         "Critical.Risk"

## X          Data Countries    Local Industry.Sector Accident.Level
## 1 0  1/1/2016 0:00 Country_01 Local_01      Mining          I
## 2 1  1/2/2016 0:00 Country_02 Local_02      Mining          I
## 3 2  1/6/2016 0:00 Country_01 Local_03      Mining          I
## 4 3  1/8/2016 0:00 Country_01 Local_04      Mining          I
## 5 4  1/10/2016 0:00 Country_01 Local_04      Mining          IV
## 6 5  1/12/2016 0:00 Country_02 Local_05      Metals          I
## Potential.Accident.Level Genre Employee.or.Third.Party Critical.Risk
## 1                      IV Male           Third Party      Pressed
## 2                      IV Male           Employee Pressurized Systems
## 3                      III Male      Third Party (Remote) Manual Tools
## 4                      I  Male           Third Party      Others
## 5                      IV Male           Third Party      Others
## 6                      III Male      Third Party (Remote) Pressurized Systems
```

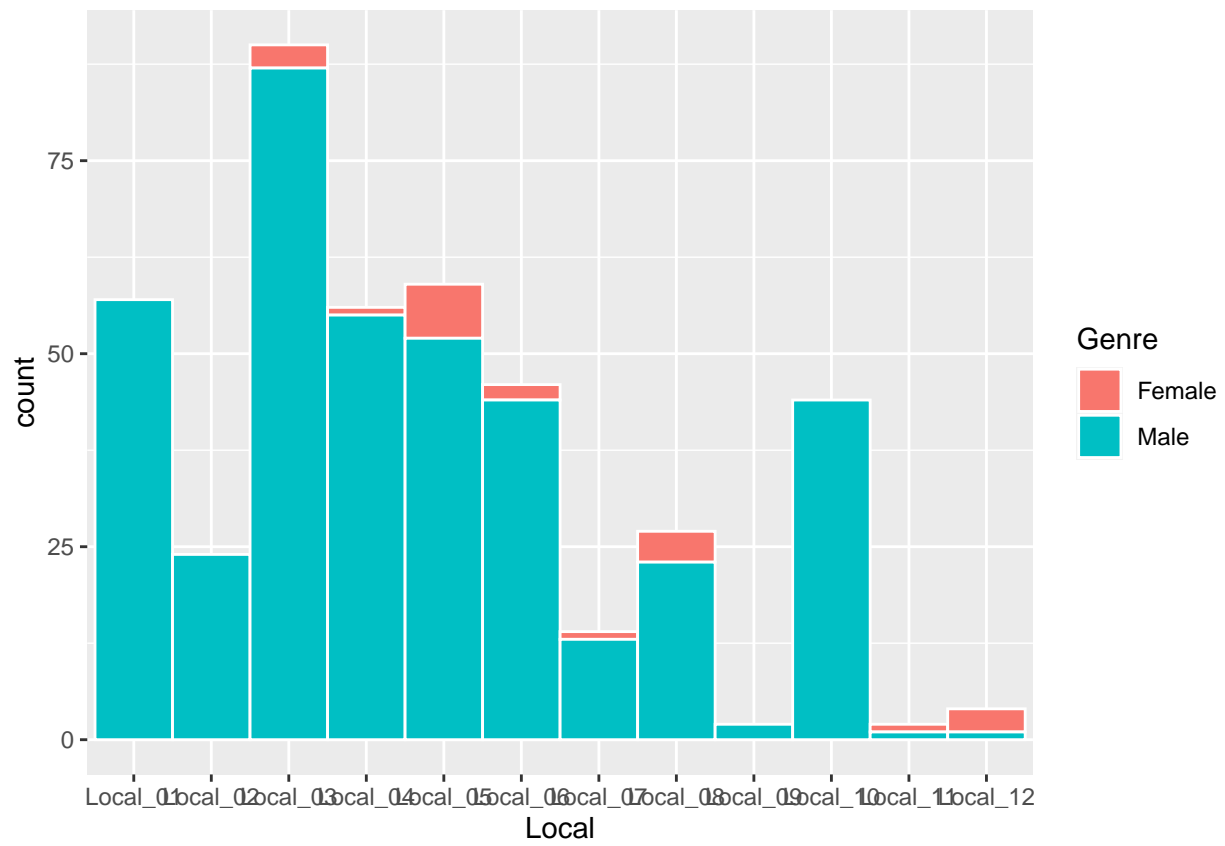
Now we describe the variables above: *X*: It is the index of the given dataset *Data*: The dates of accidents *Countries*: Countries where the accident occurred *Local*: The locality where accident occurred *Industry.Sector*:The industry type where the accident occurred *Accident.Level*: The level of accident occurred *Potential.Accident.Level* : Estimated level of accident *Genre*: Gender of the victim *Employee.or.Third.Party*: Victim's organisation status *Critical risk*: Condition of the victim

Plots and Graphs:

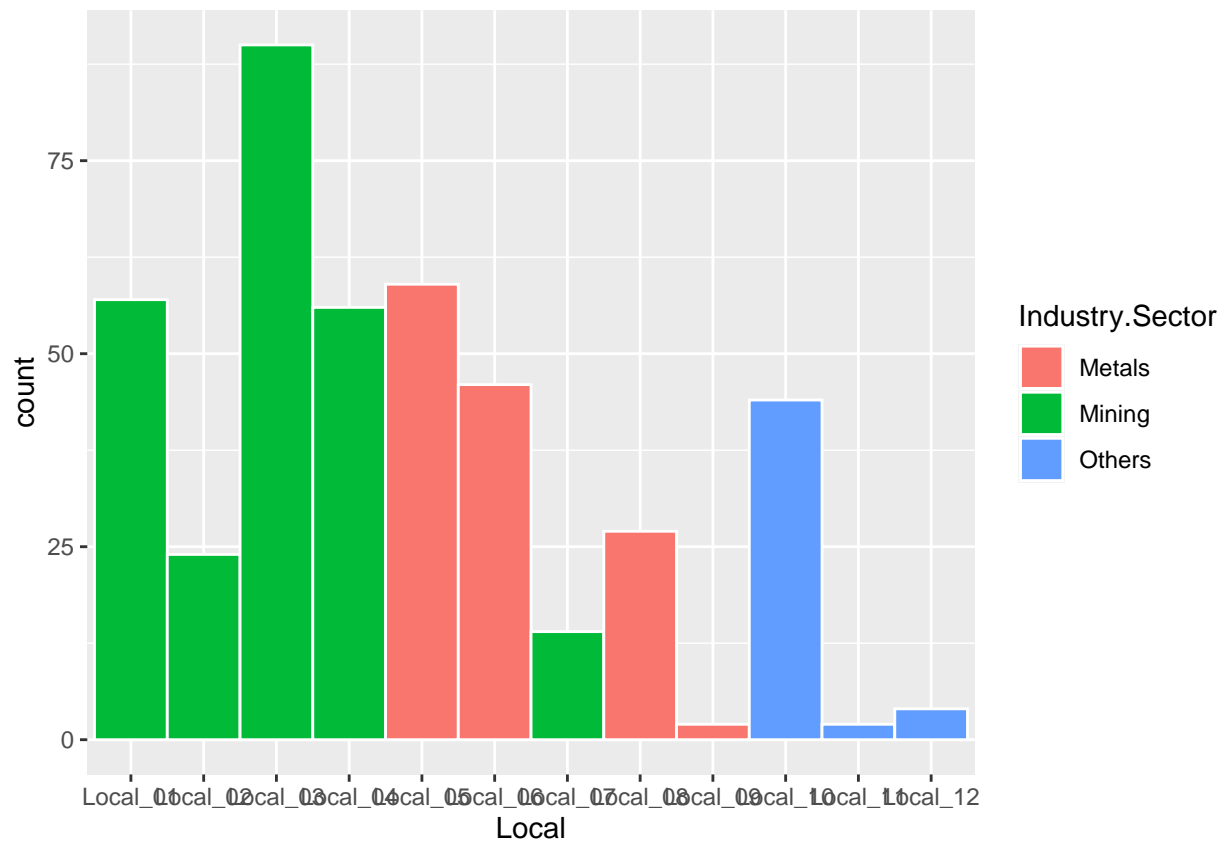
Accidents in countries:



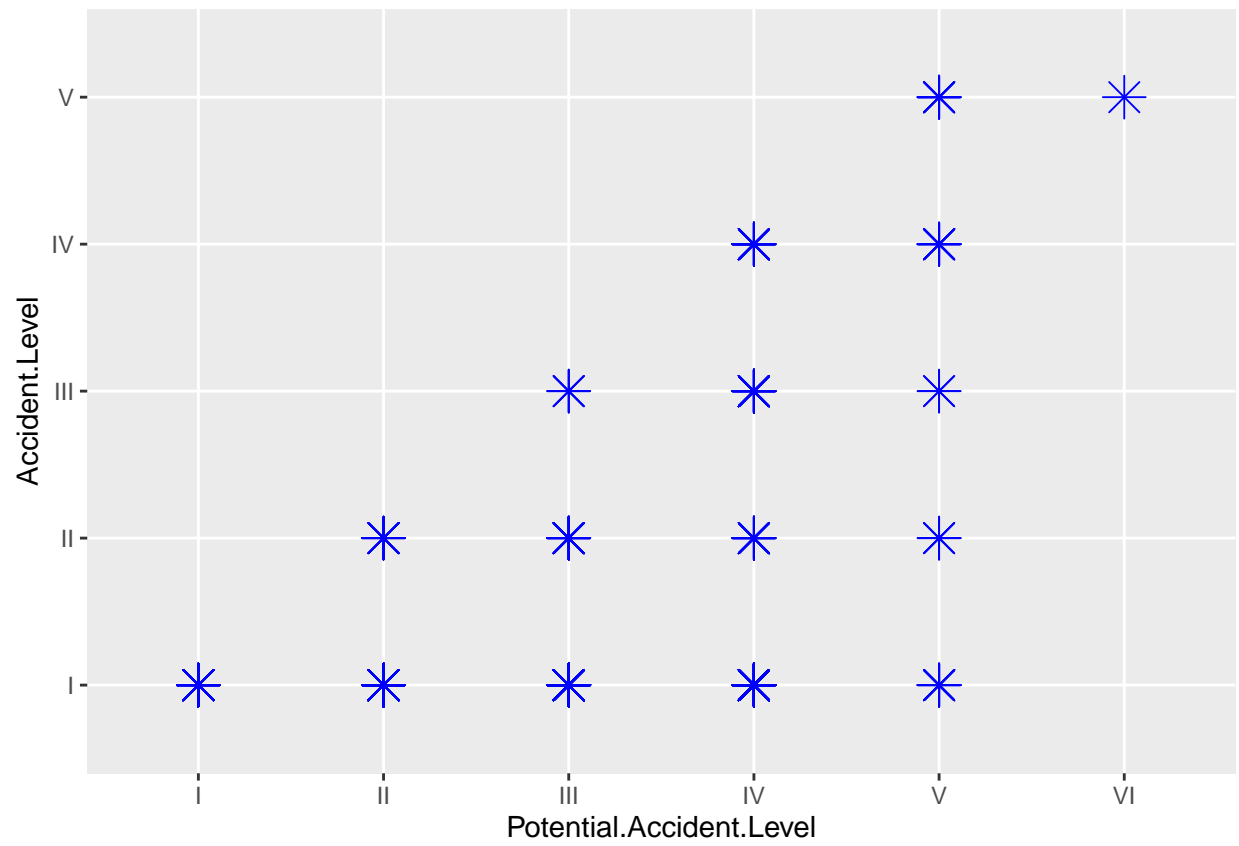
Accidents in localities with respect to Gender:



Accidents in localities with respect to industry :

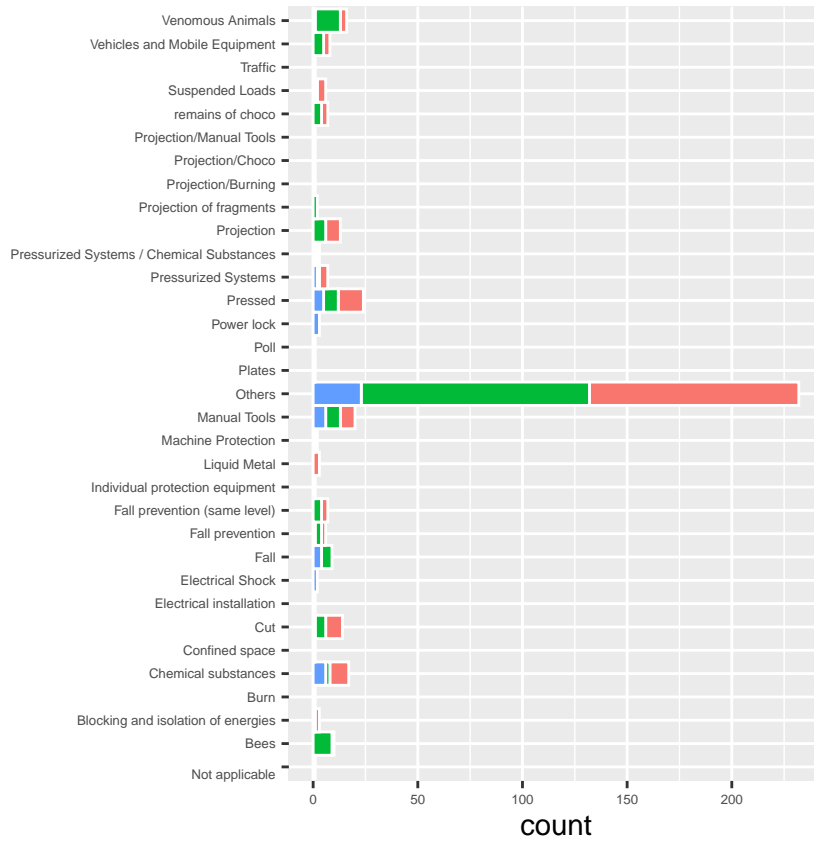


Accident level vs Potential accident level:



Critical Risk along with victim status:

Critical.Risk



Employee.or.Third.Party

