



Domestic violence in Colombia

A compilation data of domestic violence in Colombia from 2010 to 2021, was analyzed using numpy, pandas, matplotlib and seaborn libraries. Practicing data visualization and data analysis.

Data link: [Data link](#)

First you should clean and organize the data en then start the analysis.

Domestic violence by gender

As the data shows women are the major victims of domestic violence in Colombia, Figure 1. From 2010 to 2021 366,907 victims were women, while 109,759 victims were men and 304 victims don't report their gender. Furthermore, **for each men victim, 3.3 women suffer domestic violence.**

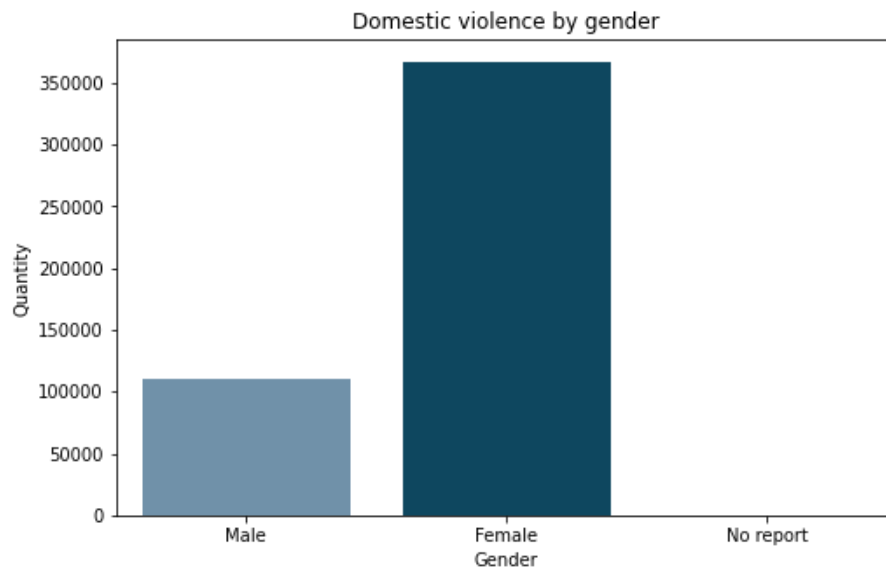


Figure 1. Domestic violence by gender.

Domestic violence by department

Colombia is divided into departments similar to states in other countries such as USA or Brazil. The Figure 2a shows the number of victims per department, as you can see Cundinamarca has the major quantity of victims (255,519), followed by Antioquia (97,758) and Valle del Cauca (78,412). Nevertheless, you should know that those departments have the biggest population in the country, and if you compare the number of victims and the population of each department the results are different. The Figure 2b presents the number



of victims per each ten thousand habitants and the new order is Santander, Boyacá, and Meta, with 270, 265, and 250 victims per ten thousand habitants, respectively.

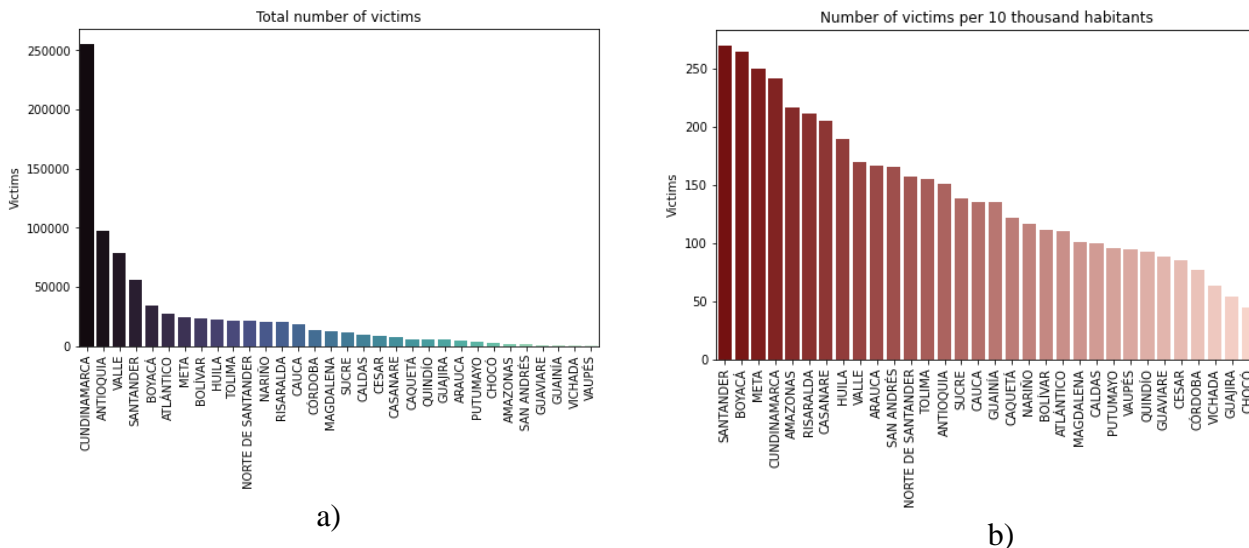


Figure 2. Victims per department.

Weapon used

The Figure 3a, shows that the most used weapon is the blunt weapon type (Figure 3b), followed by no weapon, no report, cold weapon, scopolamine and the least used the firearms.

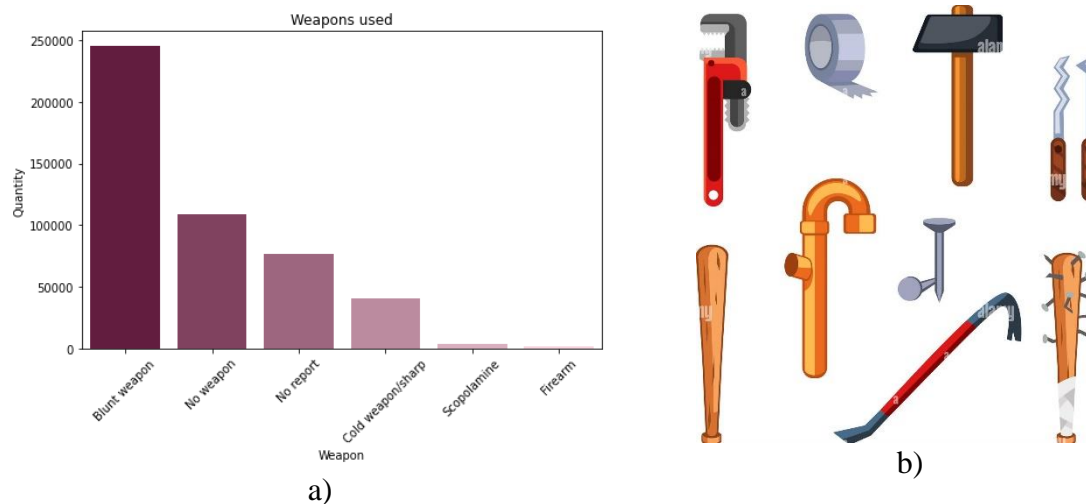


Figure 3. Weapons used.

Conclusion

The data provided for Colombia's domestic violence from 2010 to 2021 shows that women are the principal victims, for each men victim 3.3 women suffer from domestic violence. The

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departments with the major victims per number of habitants are Santander, Boyacá, and Meta. Finally, Blunt weapons were the most used ones in cases of domestic violence. Policies and changes have to be made to protect and avoid domestic violence.

Thanks for watching, to see the code: [Link to code](#)