

# Understanding **Domestic Violence** Against Women in a Rural Area

## A Case Study



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## Background

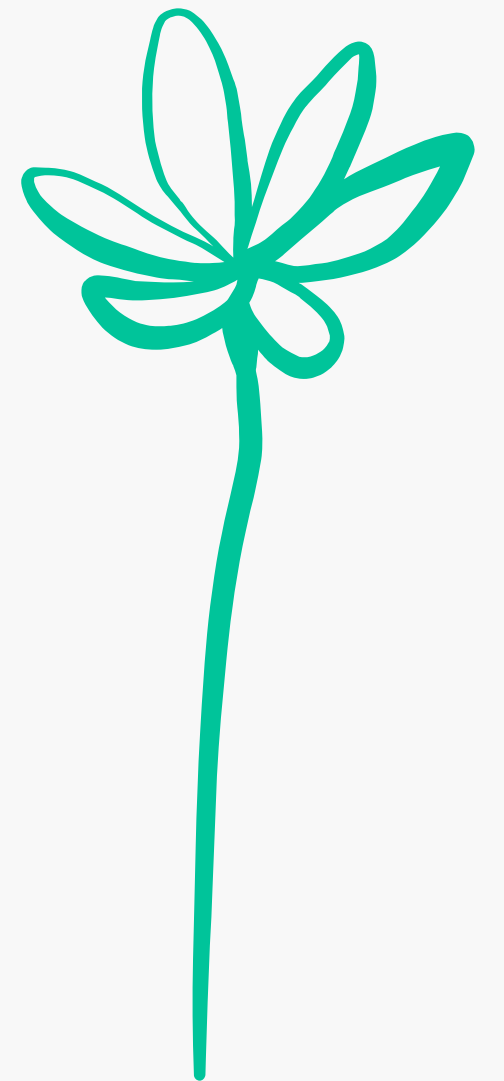
In recent years, domestic violence has increasingly become a pressing issue affecting individuals across various demographics. This case study delves into the correlation between domestic violence and socioeconomic factors, particularly focusing on income distribution and age demographics.

## Objective

The primary objective of this study is to explore how domestic violence impacts income levels across different age groups, shedding light on potential socioeconomic disparities associated with domestic violence.

## About Dataset

This dataset by Fahmida Choudary contains information on domestic violence against women ***in a specific rural area of a developing country***. The data is collected to help understand the correlation between various socio-economic factors and domestic violence.



# Incidence of Domestic Violence by Income

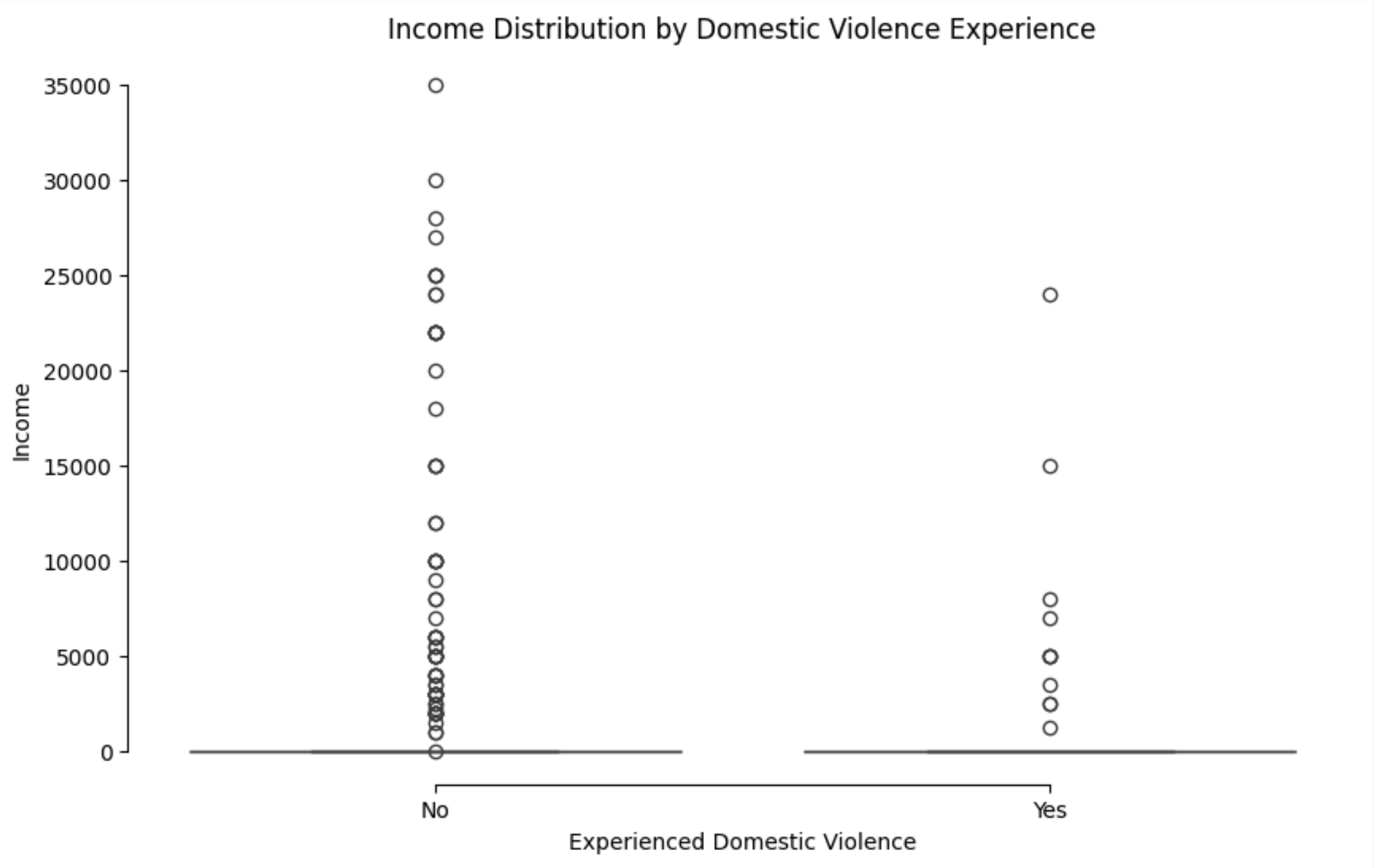
Individuals who experienced domestic violence consistently showed lower income levels compared to those who did not, irrespective of their marital or employment status.

## Marital Status

Among both married and unmarried individuals, those who experienced domestic violence had significantly lower incomes than those who did not.

## Employment Status

Individuals who experienced domestic violence consistently showed lower income levels compared to those who did not, irrespective of their employment status.



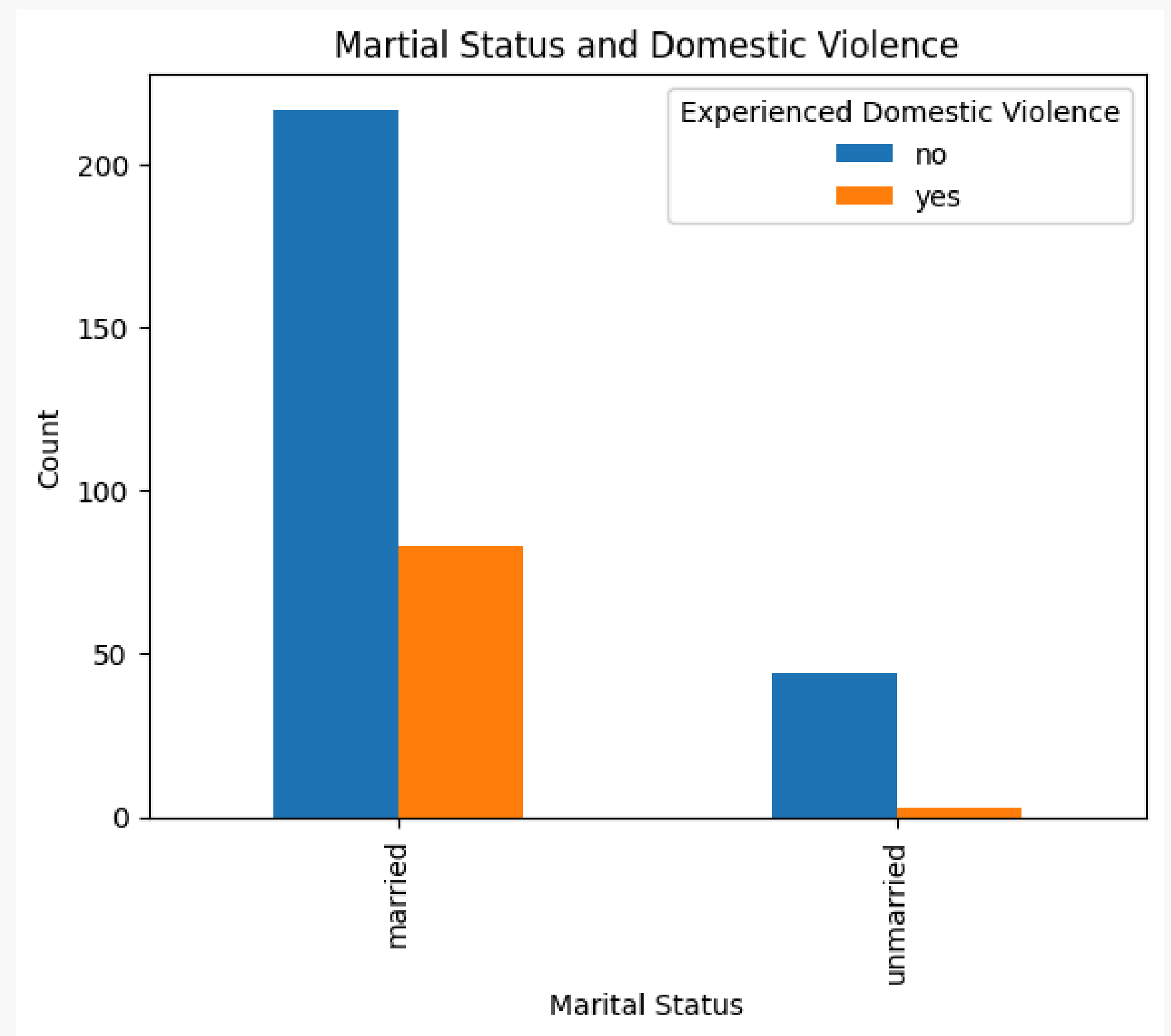
## Marital Status Impact

The financial disparity between those who experienced domestic violence and those who did not was more pronounced among the unmarried group.

### Unmarried Individuals

Experienced domestic violence were more likely to fall into lower income brackets compared to their married counterparts.

This suggests that being unmarried may exacerbate the economic impact of domestic violence, potentially due to lack of shared financial resources or social support.



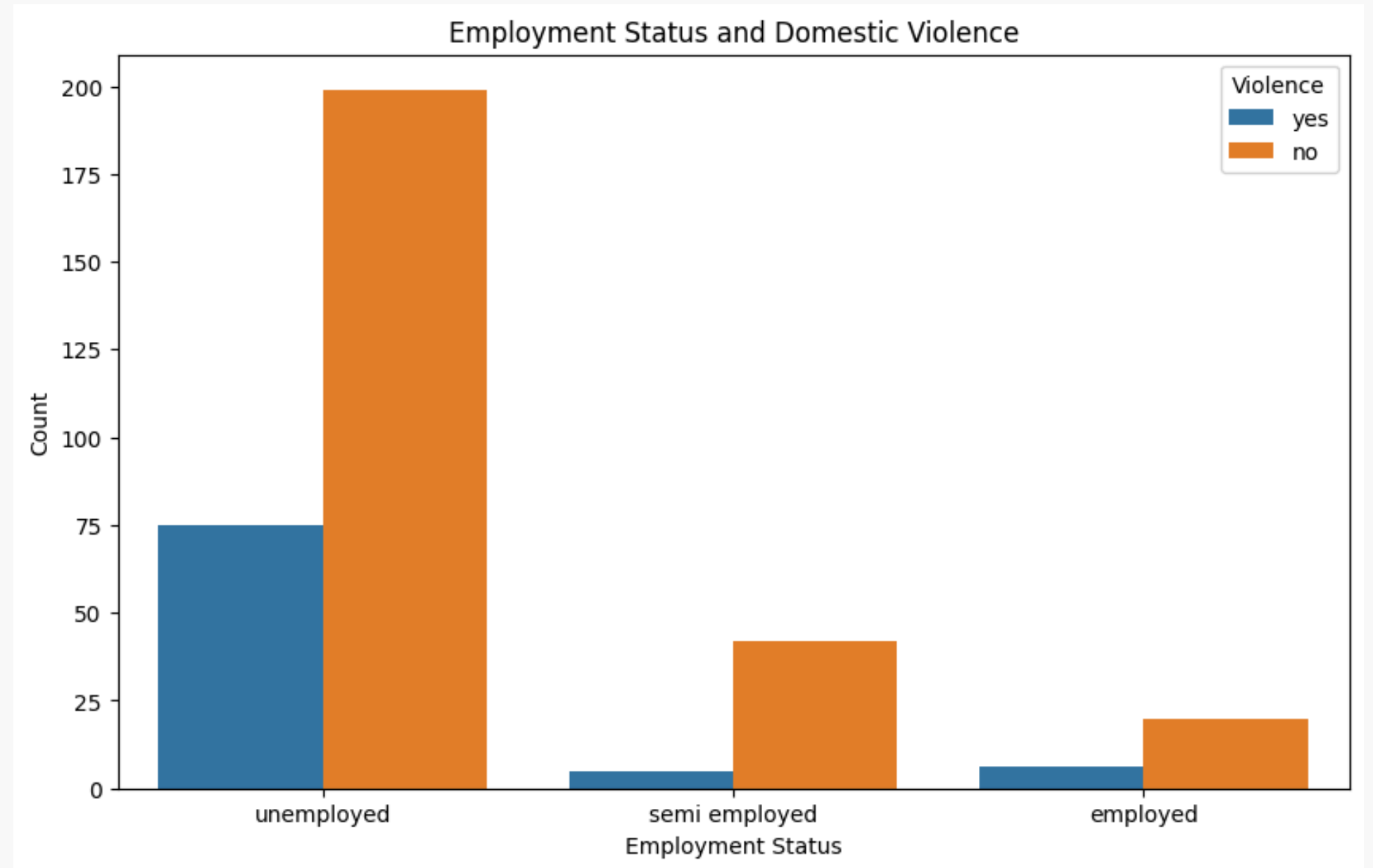
# Employment Status Influence

The economic impact of domestic violence was most severe among those without stable, full-time employment.

## Unemployed and Semi-employed

are individuals who were victims of domestic violence had significantly lower incomes than those who did not experience violence.

This highlights the critical need for employment support and economic empowerment programs for domestic violence victims to help mitigate financial hardships.



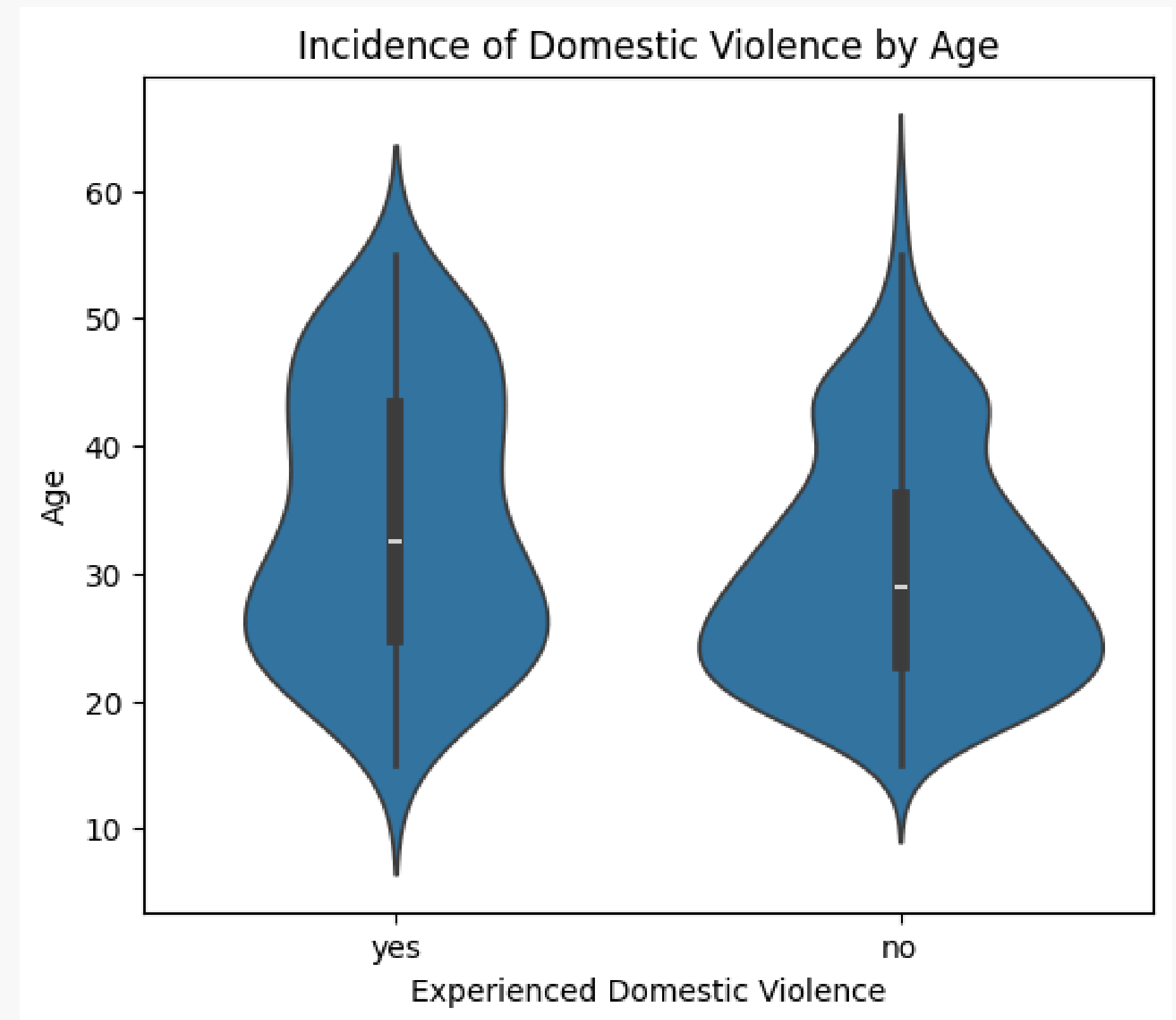
## Age and Domestic Violence

The incidence of domestic violence was highest among individuals in their 20s and 30s, with a noticeable decline in older age groups.

### Younger victims

Victims in their 20s and 30s also exhibited a wider range of income disparities, often correlating with lower income levels.

The decline in domestic violence incidence with age may reflect changes in relationship dynamics, increased economic stability, or different reporting tendencies among older individuals.



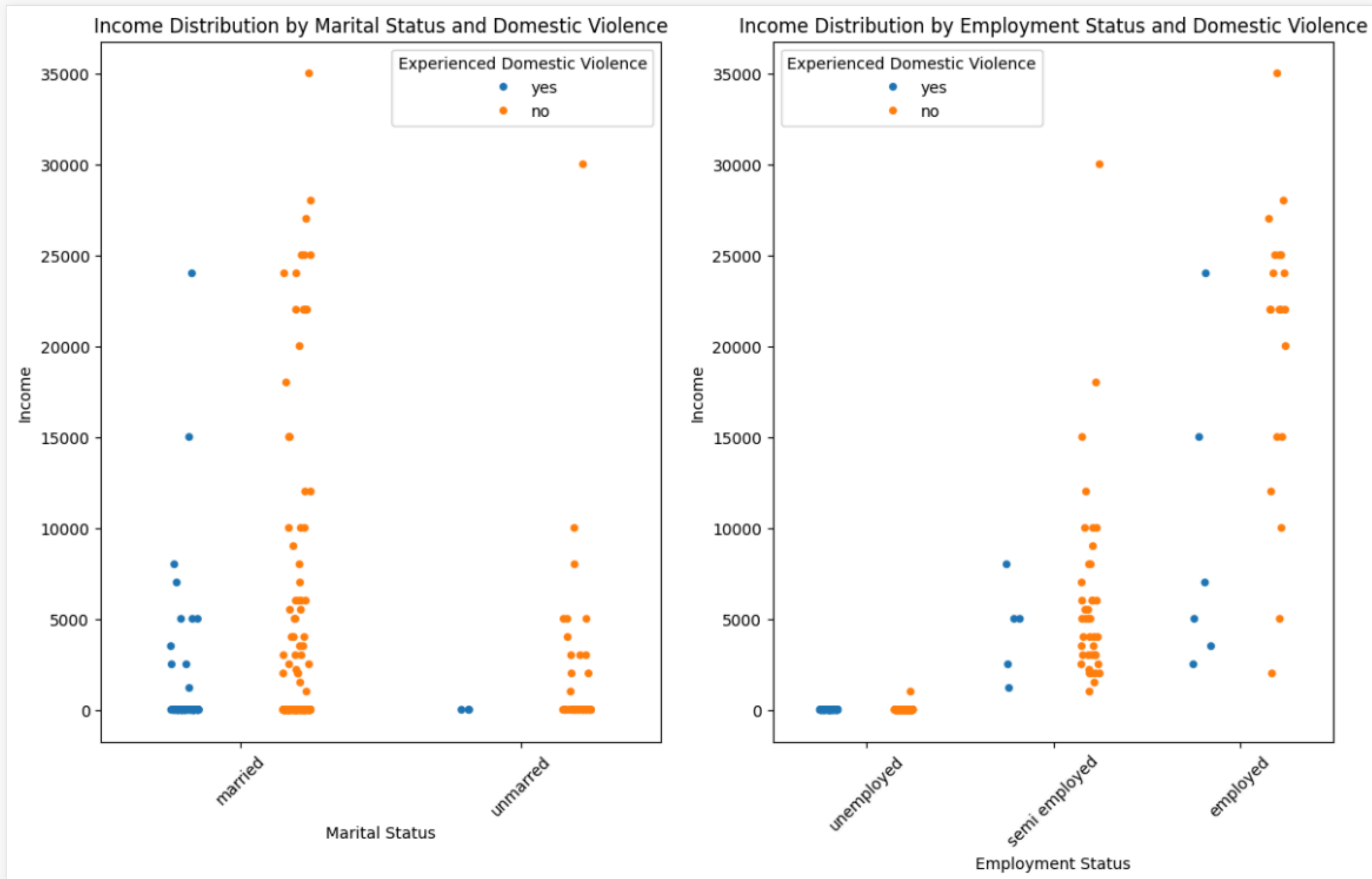
# Detailed Analysis

Income Distribution by Marital Status and Domestic Violence

v

Income Distribution by Employment and Domestic Violence



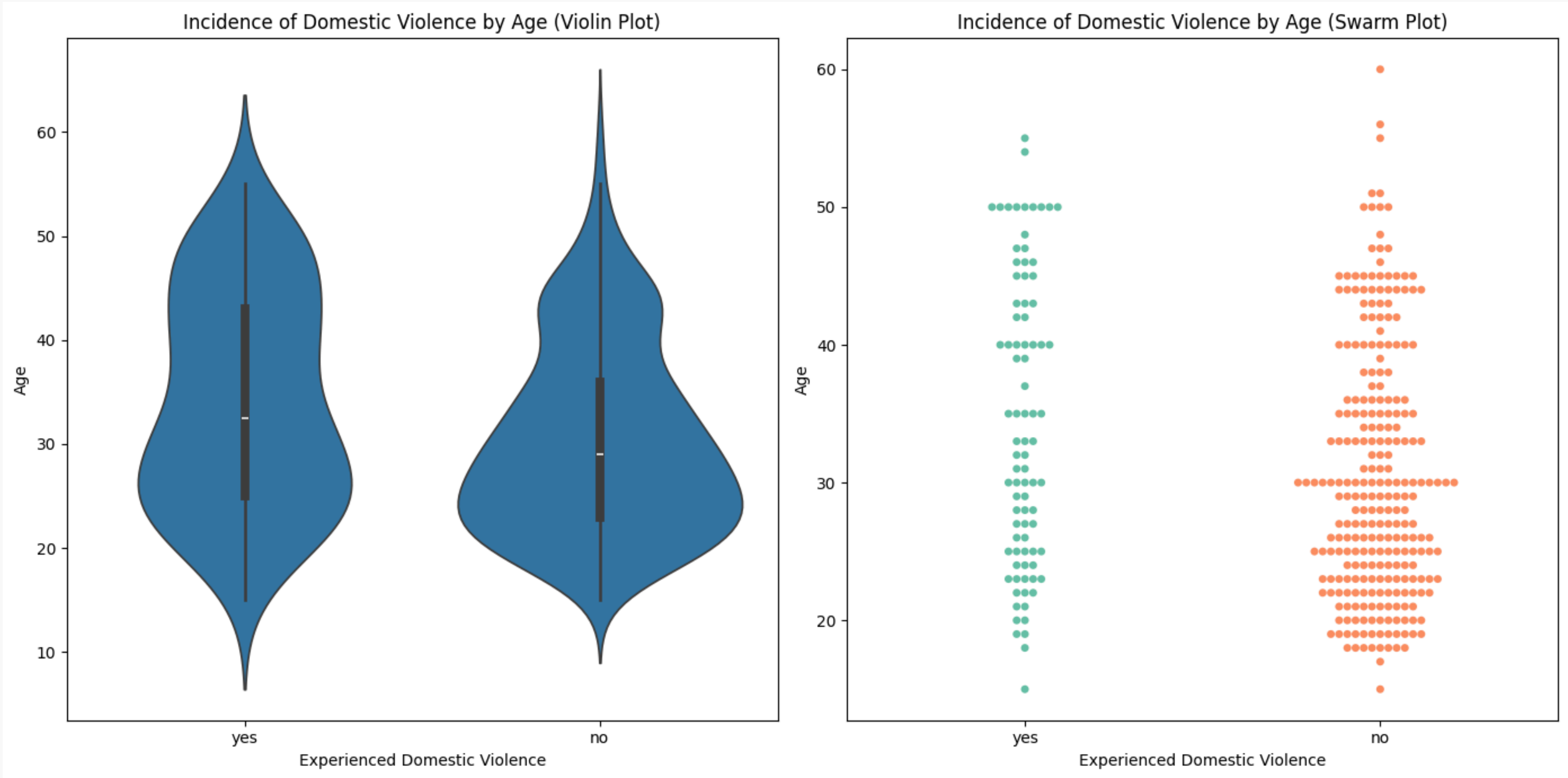


# Detailed Analysis

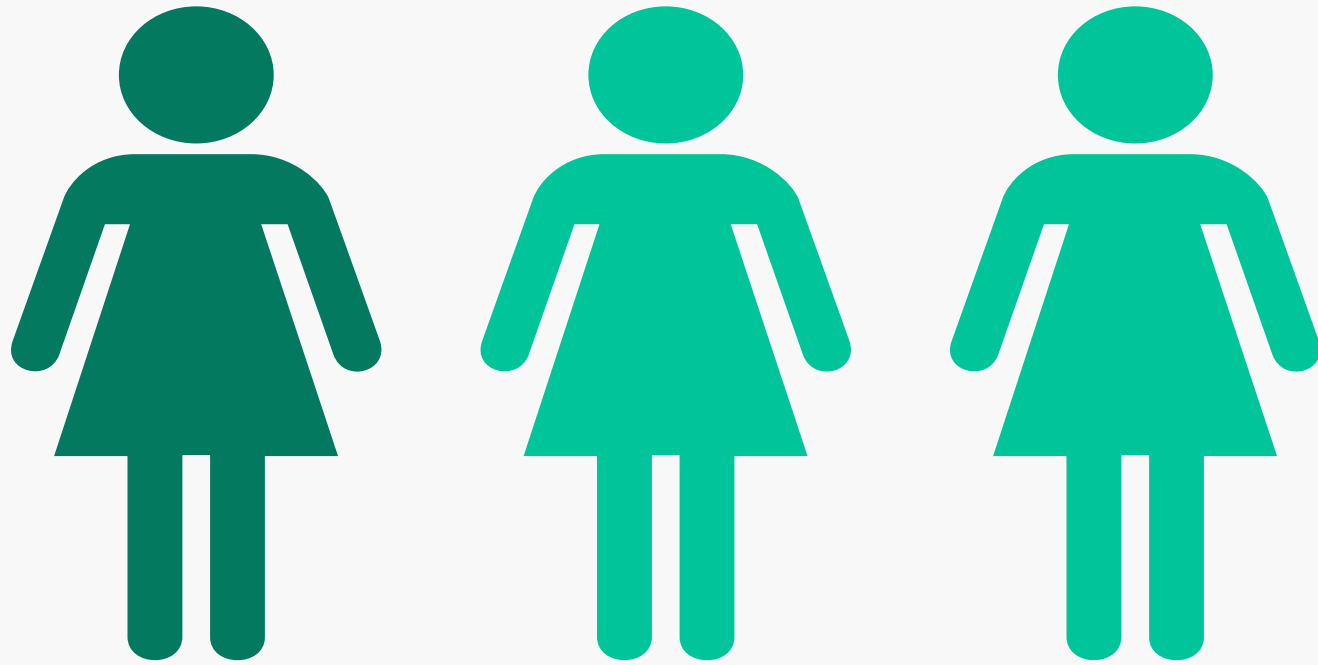
Incidence of Domestic Violence (Violin Plot)

v

Incidence of Domestic Violence (Swarm Plot)

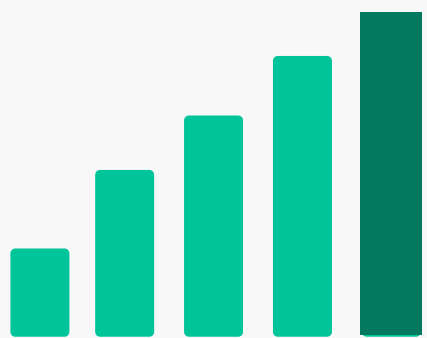


# Fractional Representation



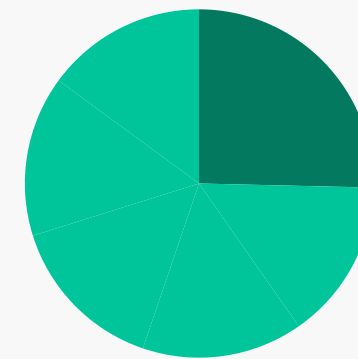
**1 IN 3**

In rural areas, approximately 1 in 3 individuals have experienced **domestic violence**



**1 IN 5**

Approximately 1 in 5 individuals in **(36-45) age** group have experienced domestic violence.



**1 IN 6**

Approximately 1 in 6 individuals in **(18-44) age** group have experienced domestic violence.

## **Conclusion**

The study underscores a clear link between domestic violence and socioeconomic outcomes, emphasising the need for targeted interventions to address income disparities among survivors.

## **Recommendations**

- Policy initiatives should focus on economic support
- Awareness campaigns
- Enhanced support services for survivors

## **Future Directions**

Further research should explore longitudinal impacts and effective strategies for economic empowerment of survivors.

## Original Analysis and Report by



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[Google Colab - Link](#)

## Dataset Source

[Domestic Violence Against Women](#)

by FAHMIDA CHOWDHURY - Kaggle