



Research Laboratory for the Development of Ecuador

Analysis of Violence Against Women.

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Research Question

- 1) How does employment influence the likelihood of experiencing violence within marriage or union in women?*
- 2) How is jealousy associated with the prevalence and perception of abuse in women in intimate partner relationships?*



Data and Methodology



Data

- National Institute of Statistics and Census (INEC)
- National Survey on Family Relationships and Gender Violence against Women (ENVIGMU).

Methodology

- Data cleaning
- Construction of violence variables
- Test performance
- Comparison

Results

1

Ø H0: The proportion of married women who have suffered violence is the same among those who work and those who do not work (1).

Ø H1: The proportion of married women who have suffered violence is different between those who work and those who do not work (1).

2

Ø H0: There is no difference in the proportion of women who believe that the abuse was due to jealousy versus those who do not believe it was due to jealousy (2).

Ø H1: There is a difference in the proportion of women who believe that the abuse was due to jealousy versus those who do not believe it was (2).



Results

2-sample test for equality of proportions with continuity correction

$X\text{-squared} = 36.045$, $df = 1$, $p\text{-value} = 9.64e-10$

alternative hypothesis: greater

95 percent confidence interval:

0.04208053 1.00000000

sample estimates:

prop 1 prop 2

0.4491349 0.3910603

2-sample test for equality of proportions with continuity correction

$X\text{-squared} = 59.842$, $df = 1$, $p\text{-value} = 1$

alternative hypothesis: greater

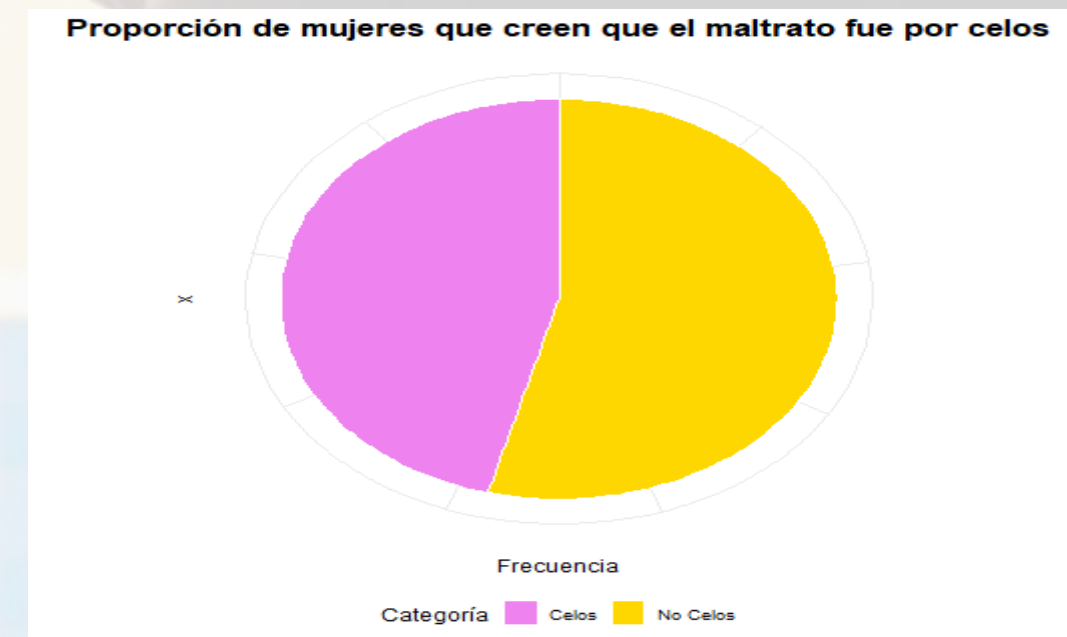
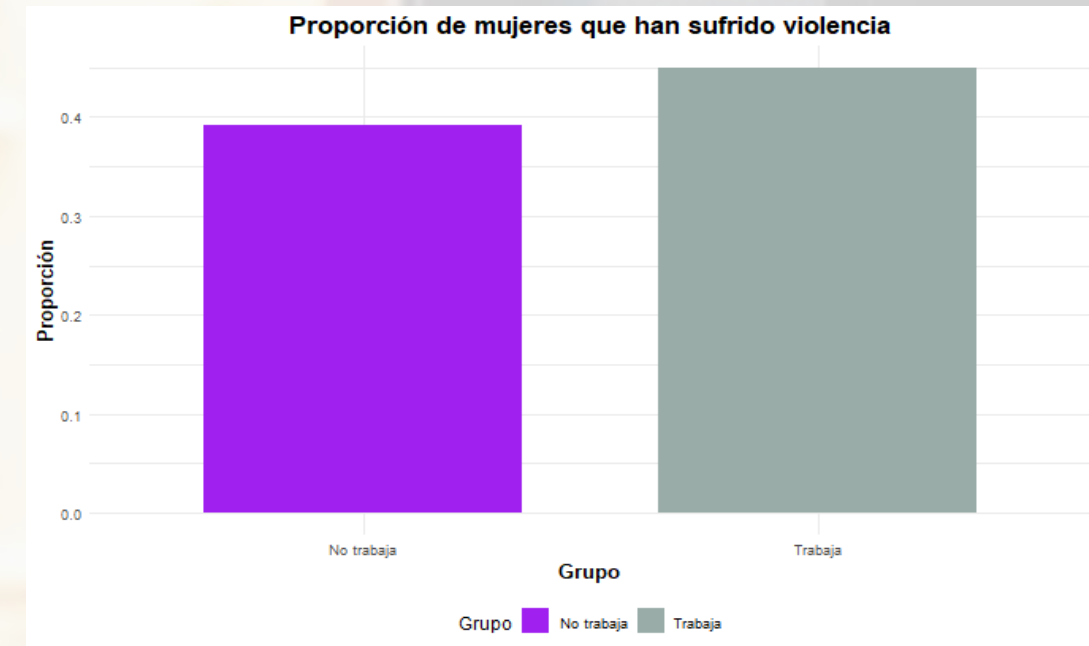
95 percent confidence interval:

-0.09952215 1.00000000

sample estimates:

prop 1 prop 2

0.4587894 0.5407639



Analysis of Results

Generality of the Content

