

Symbiosis Statistical Institute, Pune

M.Sc. (Applied Statistics)

SLDM: Warming-up Assignment

Domestic Violence against women

To be submitted by 7th Aug 2024

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Instructions: 1. Form a group of size 3 (2 is also allowed) and work as a team

2. Use preferably python lib

3. This carries 20 marks (which will be reduced to 5 for IE purpose)

Domestic violence against women is a significant issue in many developing countries. Understanding the factors that contribute to this violence can help in creating effective interventions and policies. This dataset aims to provide a basis for analysis and research in this critical area.

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

The dataset includes the following columns:

- ID: Serial number of the record.
- Age: Age of the respondent.
- Education: Educational attainment of the respondent
- Employment: Employment status of the respondent.
- Income: Income level of the respondent (0 indicating no income).
- Marital status: Marital status of the respondent (married or unmarried)
- Substance abuse: Whether the male member is drugs or alcohol addict
- Economic status: Ten types of economic status is recorded- Level 10 for poor ... Level 1: High
- Violence: Indicates whether the respondent has experienced domestic violence (yes or no).

Your task is to use the given data

- Identify the risk factors for domestic violence against women.
- Write a report summarizing your findings (use power point slides)
Attach code if used separately
- **Ensure your presentation uses professional business language, as it is a business report.**