

MTH 1210

Lab 3 Qualitative Data and Contingency Tables

Part A: Contingency Tables and Conditional Probabilities

Recall from **Lab 1** that in a study to investigate the hypothesis that victims of violence exhibit more violent behavior toward others, a researcher searched court records to find 908 individuals who had been victims of abuse as children. She then found 667 individuals, with similar demographic characteristics, who had not been abused as children. She then searched through subsequent years of court records to determine how many of the people in each of these groups committed violent crimes later in life. The file **violence.mtw** contains the data.

We'll make a *contingency table* of the data on violent behavior.

1. Open the data in the MINITAB *worksheet* **violence.mtw**.
2. Make a contingency table of the data of the data:

STAT > TABLES > DESCRIPTIVE STATISTICS

This will take you to a dialog box.

Under 'Categorical Variables':

ROWS: Select one categorical variable (double click)

COLUMNS: Select the other categorical variable (double click)

< OK >

This will produce the contingency table in the Session window.

3. Please answer Questions 1 and 2 on the Answer Sheet.