

SECTION 4.4 – Contingency Tables and Association

Marginal Distribution

A **marginal distribution** of a variable is a frequency or relative frequency distribution of either the row or column variable in the contingency table.

☺ Exercises:

- 1) A medical trial into the effectiveness of a new medication was carried out. For the people tested, 50 females and 30 males responded positively to the medication, while 70 females and 60 males responded negatively to the medication. Given below is a contingency table with the given information filled in.

	Female	Male
Positive	50	30
Negative	70	60

Construct both a frequency marginal distribution and relative frequency marginal distribution.

Frequency Marginal Distribution

Relative Frequency Marginal Distribution
