|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | Overweight | |  |
|  |  | Yes | No |  |
| Poverty Level | Above | **JOINT**  **DISTRIBUTION** | | **MARGINAL DISTRIBUTION** |
| Below |
|  |  | **MARGINAL DISTRIBUTION** | | **GRAND TOTAL** |

* Note that rows and columns should sum to marginal values
* Marginal Values in Conditioned tables are always 1

**3** 2-way tables to know:

1. Counts
2. *Relative Proportions (if you want to)*
3. Treatment Conditional Proportions (Treatment will be column)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| COUNTS |  | Overweight | |  |
|  |  | Yes | No |  |
| Poverty Level | Above | **A** | **B** | **A+B = R1** |
| Below | **C** | **D** | **C+D = R2** |
|  |  | **A+C = C1** | **B+D = C2** | **A+B+C+D =G** |

RELATIVE PROPORTIONS

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | Overweight | |  |
|  |  | Yes | No |  |
| Poverty Level | Above | A/G | B/G | R1/G |
| Below | C/G | D/G | R2/G |
|  |  | C1/G | C2/G | 1 |

ROW CONDITIONED PROPORTIONS

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | Overweight | |  |
|  |  | Yes | No |  |
| Poverty Level | Above | A/R1 | B/R1 | 1 |
| Below | C/R2 | D/R2 | 1 |

COLUMN CONDITIONED PROPORTIONS

|  |  |  |  |
| --- | --- | --- | --- |
|  |  | Poverty Level | |
|  |  | Above | Below |
| Overweight | Yes | A/C1 | B/C2 |
| No | C/C1 | D/C2 |
|  |  | 1 | 1 |