

# Tabulation and Observations

| Strata | No. of Pages | Sample Size | Pages No.                                   |
|--------|--------------|-------------|---|
| A-E    | 230          | 10          | 34, 43, 54, 63, 71, 114, 137, 192, 203, 214 |
| F-J    | 67           | 4           | 239, 260, 271, 289                          |
| K-O    | 134          | 5           | 298, 312, 335, 353, 374                     |
| P-T    | 26           | 4           | 443, 444, 449, 454                          |
| U-Z    | 93           | 5           | 461, 466, 479, 490, 531                     |
|        | 550          | 28          |   |

## STRATUM A-E

| S.No. | Page No. | No. of words(y1i) | y1i <sup>2</sup> |
|-------|----------|-------------------|------------------|
| 1     | 34       | 39                | 1521             |
| 2     | 43       | 17                | 289              |
| 3     | 54       | 38                | 1444             |
| 4     | 63       | 47                | 2209             |
| 5     | 71       | 47                | 2209             |
| 6     | 114      | 14                | 196              |
| 7     | 137      | 23                | 529              |
| 8     | 192      | 12                | 144              |
| 9     | 203      | 17                | 289              |
| 10    | 214      | 31                | 961              |
|       | Total    | 285               | 9791             |

## STRATUM F-J

| S.No. | Page No. | No. of words(y2i) | y2i <sup>2</sup> |
|-------|----------|-------------------|------------------|
| 1     | 239      | 31                | 961              |
| 2     | 260      | 41                | 1681             |
| 3     | 271      | 25                | 625              |
| 4     | 289      | 49                | 2401             |
|       | Total    | 146               | 5668             |

## STRATUM P-T

| S.No. | Page No. | No. of words(y4i) | y4i <sup>2</sup> |
|-------|----------|-------------------|------------------|
| 1     | 443      | 24                | 576              |
| 2     | 444      | 32                | 1024             |
| 3     | 449      | 12                | 144              |
| 4     | 454      | 47                | 2209             |
|       | Total    | 115               | 3953             |

## STRATUM K-O

| S.No. | Page No. | No. of words(y3i) | y3i <sup>2</sup> |
|-------|----------|-------------------|------------------|
| 1     | 298      | 47                | 2209             |
| 2     | 312      | 35                | 1225             |
| 3     | 335      | 42                | 1764             |
| 4     | 353      | 30                | 900              |
| 5     | 374      | 33                | 1089             |
|       | Total    | 187               | 7187             |

## STRATUM U-Z

| S.No. | Page No. | No. of words(y5i) | y5i <sup>2</sup> |
|-------|----------|-------------------|------------------|
| 1     | 461      | 11                | 121              |
| 2     | 466      | 48                | 2304             |
| 3     | 479      | 28                | 784              |
| 4     | 490      | 43                | 1849             |
| 5     | 531      | 22                | 484              |
|       | Total    | 152               | 5542             |

# Calculations

| Sr. No. | ni | $\Sigma Y_i$ | $Y_i = \Sigma Y_i / n_i$ | Ni  | NiYi    | $(1 - f_i) / n_i$ | Wi       | Si <sup>2</sup> | $((1 - f_i) / n_i) W_i^2 S_i^2$ |
|---------|----|--------------|--------------------------|-----|---------|-------------------|----------|-----------------|---------------------------------|
| 1       | 10 | 285          | 28.5                     | 230 | 6555.0  | 0.095652          | 0.418182 | 185.388889      | 3.101048                        |
| 2       | 4  | 146          | 36.5                     | 67  | 2445.5  | 0.235075          | 0.121818 | 113.0           | 0.394192                        |
| 3       | 5  | 187          | 37.4                     | 134 | 5011.6  | 0.192537          | 0.243636 | 48.3            | 0.552007                        |
| 4       | 4  | 115          | 28.75                    | 26  | 747.5   | 0.211538          | 0.047273 | 215.583333      | 0.101913                        |
| 5       | 5  | 152          | 30.4                     | 93  | 2827.2  | 0.189247          | 0.169091 | 230.3           | 1.246132                        |
| Total   |    |              |                          |     | 17586.8 |                   |          |                 | 5.395292                        |