

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 ² |
|-------|----------|-------------------|------------------|
| 1 | 34 | 29 | 841 |
| 2 | 43 | 38 | 1444 |
| 3 | 54 | 47 | 2209 |
| 4 | 63 | 22 | 484 |
| 5 | 71 | 40 | 1600 |
| 6 | 114 | 31 | 961 |
| 7 | 137 | 40 | 1600 |
| 8 | 192 | 31 | 961 |
| 9 | 203 | 39 | 1521 |
| 10 | 214 | 48 | 2304 |
| | Total | 365 | 13925 |

STRATUM F-J

| S.No. | Page No. | No. of words(y2i) | y2i ² |
|-------|----------|-------------------|------------------|
| 1 | 239 | 37 | 1369 |
| 2 | 260 | 21 | 441 |
| 3 | 271 | 45 | 2025 |
| 4 | 289 | 12 | 144 |
| | Total | 115 | 3979 |

STRATUM P-T

| S.No. | Page No. | No. of words(y4i) | y4i ² |
|-------|----------|-------------------|------------------|
| 1 | 443 | 18 | 324 |
| 2 | 444 | 17 | 289 |
| 3 | 449 | 24 | 576 |
| 4 | 454 | 15 | 225 |
| | Total | 74 | 1414 |

STRATUM K-O

| S.No. | Page No. | No. of words(y3i) | y3i ² |
|-------|----------|-------------------|------------------|
| 1 | 298 | 28 | 784 |
| 2 | 312 | 38 | 1444 |
| 3 | 335 | 47 | 2209 |
| 4 | 353 | 10 | 100 |
| 5 | 374 | 20 | 400 |
| | Total | 143 | 4937 |

STRATUM U-Z

| S.No. | Page No. | No. of words(y5i) | y5i ² |
|-------|----------|-------------------|------------------|
| 1 | 461 | 33 | 1089 |
| 2 | 466 | 43 | 1849 |
| 3 | 479 | 17 | 289 |
| 4 | 490 | 46 | 2116 |
| 5 | 531 | 39 | 1521 |
| | Total | 178 | 6864 |

Calculations

| Sr. No. | ni | ΣY_i | $Y_i = \Sigma Y_i / n_i$ | Ni | NiYi | $(1 - f_i) / n_i$ | Wi | Si² | $((1 - f_i) / n_i) W_i^2 S_i^2$ |
|---------|----|--------------|--------------------------|-----|----------|-------------------|----------|-----------|---------------------------------|
| 1 | 10 | 365 | 36.5 | 230 | 8395.0 | 0.095652 | 0.418182 | 66.944444 | 1.119797 |
| 2 | 4 | 115 | 28.75 | 67 | 1926.25 | 0.235075 | 0.121818 | 224.25 | 0.782279 |
| 3 | 5 | 143 | 28.6 | 134 | 3832.4 | 0.192537 | 0.243636 | 211.8 | 2.4206 |
| 4 | 4 | 74 | 18.5 | 26 | 481.0 | 0.211538 | 0.047273 | 15.0 | 0.007091 |
| 5 | 5 | 178 | 35.6 | 93 | 3310.8 | 0.189247 | 0.169091 | 131.8 | 0.713157 |
| Total | | | | | 17945.45 | | | | 5.042924 |