## Frequency of Letters in Ciphertext for

## Exercise Set \#1, Exercise B

| Arranged alphabetically |  | Arranged in order of decreasing frequency |  |
| :---: | :---: | :---: | :---: |
| Letter | Frequency (per 10,000 letters) | Letter | Frequency (per 10,000 letters) |
| A | 839 | R | 1398 |
| B | 333 | Z | 903 |
| C | 237 | K | 839 |
| D | 344 | A | 839 |
| E | 0 | I | 688 |
| F | 290 | Y | 613 |
| G | 366 | J | 602 |
| H | 129 | Q | 495 |
| I | 688 | T | 452 |
| J | 602 | X | 419 |
| K | 839 | G | 366 |
| L | 11 | D | 344 |
| M | 11 | B | 333 |
| N | 269 | F | 290 |
| O | 43 | N | 269 |
| P | 183 | C | 237 |
| Q | 495 | W | 226 |
| R | 1398 | P | 183 |
| S | 151 | S | 151 |
| T | 452 | U | 140 |
| U | 140 | H | 129 |
| V | 22 | O | 43 |
| W | 226 | V | 22 |
| X | 419 | L | 11 |
| Y | 613 | M | 11 |
| Z | 903 | E | 0 |

There were a total of 930 letters in the text. However, the frequencies have been normalized to occurences per 10,000 characters of text. Thus, for example, a frequency of 11 in the table corresponds to 1 occurrence of the letter in the ciphertext.

