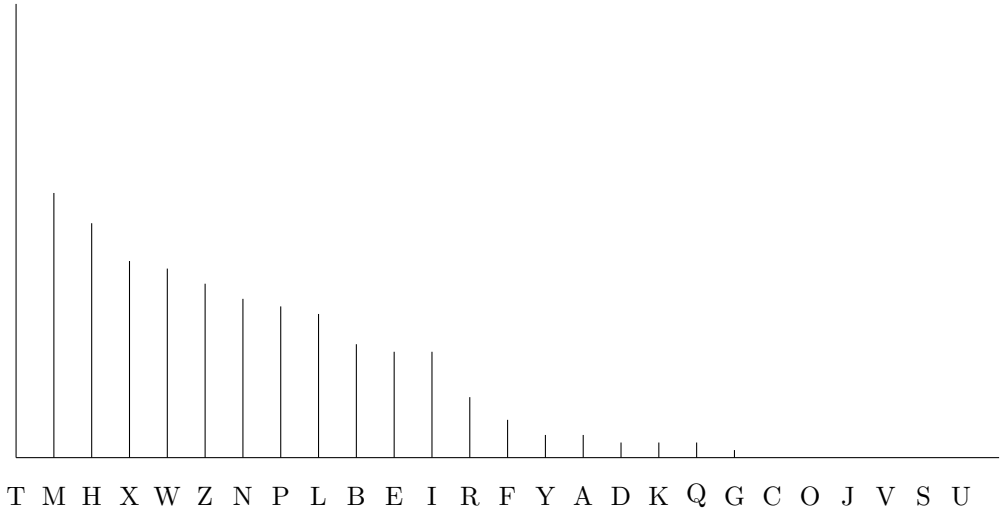
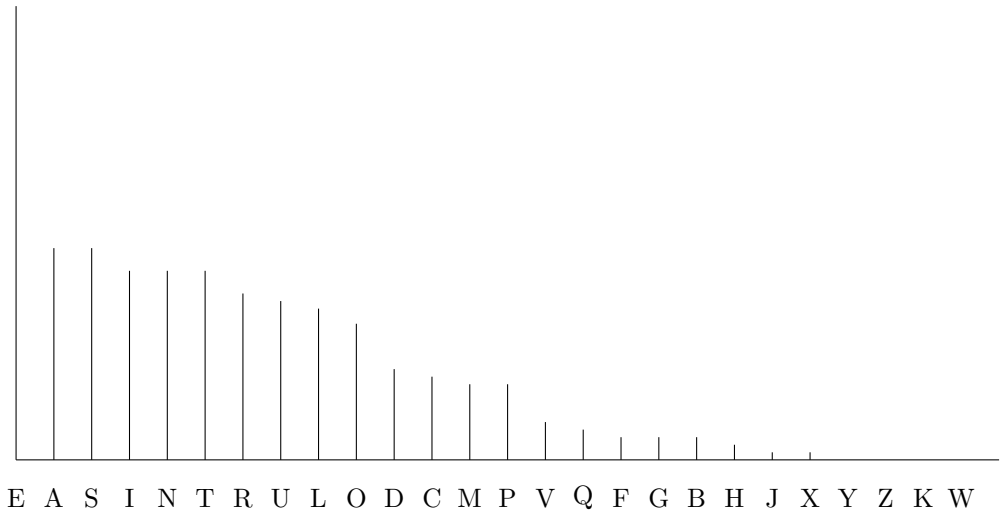


Cryptogrammes/fr-subst-08

Nombre de caractères : 745.

Fréquences :

| | | | | | | | | | | | |
|----------|-----|-------|--|----------|----|------|--|----------|---|------|--|
| T | 131 | 17.58 | | B | 34 | 4.56 | | Q | 6 | 0.81 | |
| M | 77 | 10.34 | | E | 31 | 4.16 | | G | 3 | 0.40 | |
| H | 69 | 9.26 | | I | 31 | 4.16 | | C | 2 | 0.27 | |
| X | 58 | 7.79 | | R | 19 | 2.55 | | O | 2 | 0.27 | |
| W | 56 | 7.52 | | F | 13 | 1.74 | | J | 1 | 0.13 | |
| Z | 51 | 6.85 | | Y | 7 | 0.94 | | V | 1 | 0.13 | |
| N | 47 | 6.31 | | A | 7 | 0.94 | | S | 0 | 0.00 | |
| P | 45 | 6.04 | | D | 6 | 0.81 | | U | 0 | 0.00 | |
| L | 42 | 5.64 | | K | 6 | 0.81 | | | | | |



Bigrammes :

| | T | M | H | X | W | Z | N | P | L | B | E | I | R | F | Y | A | D | K | Q | G | C | O | J | V | S | U |
|---|----|----|----|----|---|----|----|----|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T | 4 | 30 | 20 | 2 | 3 | 13 | 13 | 12 | 9 | 7 | 5 | | 5 | 3 | 1 | 1 | 1 | | 2 | | | | | | | |
| M | 8 | 6 | 2 | 11 | 9 | 7 | 3 | 1 | 2 | 3 | 4 | 4 | 5 | 2 | 1 | 1 | | 4 | 1 | 1 | | 1 | | | | |
| H | 8 | 10 | 4 | 4 | 6 | 11 | 1 | 2 | 1 | 6 | 9 | 2 | | | 1 | 3 | | | | | | 1 | | | | |
| X | 12 | 6 | 13 | | 1 | 6 | 5 | 3 | | | 3 | 3 | 1 | | 1 | 1 | | 1 | 1 | | | | 1 | | | |
| W | | 4 | 12 | 6 | | 3 | 5 | 4 | 8 | 2 | 5 | | | 2 | 2 | | 1 | | 1 | 1 | | | | | | |
| Z | 13 | 2 | 1 | 7 | 3 | 3 | 6 | 4 | 1 | 3 | 1 | 3 | 1 | 1 | | | 1 | | | 1 | | | | | | |
| N | 23 | | 1 | 5 | 4 | | 5 | | 5 | 1 | 1 | 1 | | | | 1 | | | | | | | | | | |
| P | 14 | 7 | 1 | 3 | 4 | 2 | | 2 | | 5 | 1 | 3 | 1 | 1 | 1 | | | | | | | | | | | |
| L | 4 | 7 | 2 | 3 | 1 | 4 | 2 | 9 | | 4 | 1 | | 1 | 2 | | | | | | | 2 | | | | | |
| B | 16 | 2 | | 2 | 5 | | | 1 | 2 | | | 3 | 2 | | | | | 1 | | | | | | | | |
| E | 10 | | | 6 | 4 | 1 | 1 | | 1 | | | 5 | | 1 | | | 2 | | | | | | | | | |
| I | | 1 | 13 | 4 | | 1 | | 4 | 6 | 1 | | | 1 | | | | | | | | | | | | | |
| R | 6 | 1 | | 3 | 5 | | | | 1 | | | 2 | 1 | | | | | | | | | | | | | |
| F | 2 | | | | 3 | | 3 | 1 | | | | 1 | 1 | 1 | | | 1 | | | | | | | | | |
| Y | 4 | | | | 2 | | | | | | | 1 | | | | | | | | | | | | | | |
| A | 3 | | | 1 | 1 | | 1 | 1 | | | | | | | | | | | | | | | | | | |
| D | | | | 1 | 2 | | 1 | | | | | 1 | | | | | | | | | | 1 | | | | |
| K | | | | | | | | | 6 | | | | | | | | | | | | | | | | | |
| Q | 2 | | | | 2 | | 1 | 1 | | | | | | | | | | | | | | | | | | |
| G | 1 | | | | | | | | | | | 2 | | | | | | | | | | | | | | |
| C | | | | | | | | | | 2 | | | | | | | | | | | | | | | | |
| O | | 1 | | | 1 | | | | | | | | | | | | | | | | | | | | | |
| J | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| V | | | | | | | | | | | | | | | | | | | 1 | | | | | | | |
| S | | | | | | | | | | | | | | | | | | | | | | | | | | |
| U | | | | | | | | | | | | | | | | | | | | | | | | | | |

Bigrammes répétés : FF (1, 0.13), HH (4, 0.54), MM (6, 0.81), NN (5, 0.67), PP (2, 0.27), RR (1, 0.13), TT (4, 0.54), ZZ (3, 0.40).

Motifs abba : [511 : TZZT] [691 : WMMW] [741 : MTTM]

Motifs abab : [513 : ZTZT] [708 : ZTZT]