|  |  |  |
| --- | --- | --- |
| |  | | --- | | Feb 1, 2016 at 9:47pm  [Quote](https://cicada3301.boards.net/post/19/quote/15)[like](https://cicada3301.boards.net/thread/15/simple-gram-stats-runeglish-pages)  Post Options  **Post by mortlach on Feb 1, 2016 at 9:47pm**  (Without comment) 1-gram frequency stats are presented for:   * War and Peace converted to runeglish * The So-Far-Translated-Pages of the Liber Primus * Pages 0 55, in total and divided up into 8 sections by their page border   The graphs show the Mean (black), +- 1 Standard Deviation (blue), +- 2 Standard Deviations (red) fractions. Also, shown are plots of the Cumulative Distribution, and fits.  Raw Data is below the Images   [imgur.com/Vg0xewQ](http://imgur.com/Vg0xewQ)  [imgur.com/7ofy9Dg](http://imgur.com/7ofy9Dg) (Fit Function is  1.08151 -1.09037 e^(-0.104707 x) )   [imgur.com/wd8jEoG](http://imgur.com/wd8jEoG)   [imgur.com/jm36yKL](http://imgur.com/jm36yKL) (Fit Function is 1.09776 -1.09435 e^(-0.100744 x) )   [imgur.com/rsMRswy](http://imgur.com/rsMRswy)   [imgur.com/u1LmG9N](http://imgur.com/u1LmG9N) (Fit Function is 9.24057 -9.23855 e^(-0.00395497 x) )   [imgur.com/D7wpFZG](http://imgur.com/D7wpFZG)    Runeglish War & Peace 1-gram Frequency ᛖ ,ᚪ ,ᚩ ,ᛋ ,ᚾ ,ᛏ ,ᚱ  0.125546,0.079366,0.076820,0.069261,0.066705,0.063959,0.062199  ᛁ ,ᛞ ,ᛚ ,ᚻ ,ᚢ ,ᚳ ,ᚦ  0.059890,0.049569,0.040450,0.039243,0.037794,0.035361,0.030907  ᛗ ,ᚹ ,ᚠ ,ᚣ ,ᛈ ,ᛒ ,ᚷ  0.025832,0.025786,0.023004,0.019388,0.019080,0.014524,0.011036  ᛝ ,ᛠ ,ᛡ ,ᛉ ,ᛂ ,ᛇ ,ᛟ  0.010472,0.005588,0.004336,0.001837,0.001078,0.000678,0.000210  ᛡ ,ᛉ ,ᛂ ,ᛇ ,ᛟ ,ᚫ  0.004336,0.001837,0.001078,0.000678,0.000210,0.000070    Liber Primus Plain Text, 2979 runes, 1-gram Frequency ᛖ ,ᚩ ,ᚪ ,ᛋ ,ᛏ ,ᚱ ,ᛁ  0.12756 ,0.085934,0.072843,0.066800,0.065793,0.064451,0.061765  ᚾ ,ᚢ ,ᛞ ,ᚦ ,ᛚ ,ᚹ ,ᚳ  0.060758,0.051359,0.039274,0.038603,0.036589,0.032896,0.030547  ᚻ ,ᚣ ,ᛗ ,ᚠ ,ᛈ ,ᛒ ,ᚷ  0.030211,0.026519,0.025511,0.016112,0.013763,0.013427,0.013427  ᛡ ,ᛉ ,ᛂ ,ᚫ  0.005370,0.001678,0.001007,0.000671   Pages 0 to 55, 12956 runes, 1-gram Frequency ᛟ ,ᚪ ,ᛁ ,ᛡ ,ᛠ ,ᛚ ,ᛉ  0.037974,0.037202,0.036353,0.036276,0.035504,0.035504,0.035350  ᚩ ,ᚠ ,ᚦ ,ᛝ ,ᛂ ,ᚢ ,ᚣ  0.035350,0.035350,0.035118,0.035041,0.034732,0.034732,0.034578  ᚾ ,ᛒ ,ᛈ ,ᚫ ,ᚳ ,ᛏ ,ᛞ  0.034424,0.034347,0.034347,0.034347,0.034192,0.034115,0.033883  ᛖ ,ᚷ ,ᛗ ,ᛋ ,ᚱ ,ᚻ ,ᚹ  0.033883,0.033806,0.033652,0.033498,0.032726,0.031954,0.030950  ᛗ ,ᛋ ,ᚱ ,ᚻ ,ᚹ ,ᛇ  0.033652,0.033498,0.032726,0.031954,0.030950,0.030796    Section 1, Pages 0 to 2, 729 runes, 1-gram Frequency ᚠ ,ᛞ ,ᛚ ,ᚻ ,ᚦ ,ᛝ ,ᚷ  0.046639,0.042524,0.041152,0.041152,0.041152,0.039780,0.039780  ᛠ ,ᛉ ,ᚾ ,ᚳ ,ᛈ ,ᛟ ,ᚣ  0.038408,0.038408,0.038408,0.038408,0.037037,0.034293,0.034293  ᛖ ,ᛂ ,ᛁ ,ᚫ ,ᛡ ,ᛒ ,ᛏ  0.032921,0.032921,0.032921,0.032921,0.031550,0.031550,0.031550  ᛋ ,ᚹ ,ᚱ ,ᚢ ,ᚩ ,ᚪ ,ᛗ  0.031550,0.030178,0.030178,0.028806,0.027434,0.026063,0.024691  ᚱ ,ᚢ ,ᚩ ,ᚪ ,ᛗ ,ᛇ  0.030178,0.028806,0.027434,0.026063,0.024691,0.023319    Section 2, Pages 3 to 7, 1145 runes, 1-gram Frequency ᚳ ,ᛠ ,ᛚ ,ᛉ ,ᛇ ,ᛡ ,ᛈ  0.045414,0.043668,0.043668,0.042794,0.042794,0.040174,0.038427  ᛂ ,ᛁ ,ᚷ ,ᛝ ,ᚣ ,ᚫ ,ᛟ  0.037554,0.037554,0.037554,0.036681,0.036681,0.035807,0.034934  ᛗ ,ᛞ ,ᚻ ,ᛏ ,ᚾ ,ᚱ ,ᚪ  0.034061,0.033187,0.033187,0.032314,0.032314,0.031441,0.030567  ᛋ ,ᚦ ,ᚢ ,ᛖ ,ᛒ ,ᚹ ,ᚩ  0.029694,0.029694,0.029694,0.027947,0.027074,0.026200,0.026200  ᚢ ,ᛖ ,ᛒ ,ᚹ ,ᚩ ,ᚠ  0.029694,0.027947,0.027074,0.026200,0.026200,0.022707   Section 3, Pages 8 to 14, 1729 runes, 1-gram Frequency ᛉ ,ᚾ ,ᚦ ,ᚢ ,ᛡ ,ᛟ ,ᚠ  0.045112,0.039907,0.039907,0.039907,0.039329,0.038750,0.038172  ᛠ ,ᚪ ,ᛚ ,ᚳ ,ᛏ ,ᛋ ,ᚩ  0.037015,0.037015,0.036437,0.036437,0.035280,0.035280,0.035280  ᚣ ,ᛝ ,ᚷ ,ᛗ ,ᛖ ,ᛒ ,ᛈ  0.035280,0.033545,0.033545,0.032967,0.032388,0.031810,0.031810  ᚹ ,ᛇ ,ᚻ ,ᚫ ,ᛞ ,ᛁ ,ᚱ  0.031810,0.030075,0.030075,0.030075,0.029496,0.028918,0.028918  ᚻ ,ᚫ ,ᛞ ,ᛁ ,ᚱ ,ᛂ  0.030075,0.030075,0.029496,0.028918,0.028918,0.025448    Section 4, Pages 15 to 22, 1903 runes, 1-gram Frequency ᛡ ,ᛂ ,ᛟ ,ᚪ ,ᚩ ,ᚦ ,ᛁ  0.040462,0.039936,0.039411,0.039411,0.039411,0.039411,0.038360  ᛈ ,ᚠ ,ᚷ ,ᛞ ,ᚳ ,ᛠ ,ᛝ  0.037835,0.037835,0.037309,0.036784,0.036784,0.036258,0.036258  ᚫ ,ᛚ ,ᚱ ,ᚢ ,ᛗ ,ᛒ ,ᛉ  0.035207,0.033631,0.033631,0.033631,0.033105,0.033105,0.033105  ᛏ ,ᚾ ,ᛋ ,ᚣ ,ᛖ ,ᛇ ,ᚻ  0.031529,0.029952,0.029427,0.028901,0.028376,0.027325,0.027325  ᛋ ,ᚣ ,ᛖ ,ᛇ ,ᚻ ,ᚹ  0.029427,0.028901,0.028376,0.027325,0.027325,0.026274    Section 5, Pages 23 to 26, 1021 runes, 1-gram Frequency ᚢ ,ᛋ ,ᛖ ,ᛠ ,ᚪ ,ᚩ ,ᚾ  0.043095,0.042115,0.041136,0.040156,0.040156,0.039177,0.038197  ᛏ ,ᛝ ,ᛒ ,ᚷ ,ᚦ ,ᚣ ,ᚠ  0.037218,0.036239,0.036239,0.036239,0.036239,0.036239,0.036239  ᛡ ,ᛟ ,ᛁ ,ᛚ ,ᛈ ,ᚱ ,ᚻ  0.034280,0.034280,0.034280,0.033300,0.033300,0.033300,0.032321  ᚹ ,ᛗ ,ᛉ ,ᚫ ,ᚳ ,ᛂ ,ᛞ  0.032321,0.031341,0.031341,0.030362,0.029383,0.026444,0.024485  ᛉ ,ᚫ ,ᚳ ,ᛂ ,ᛞ ,ᛇ  0.031341,0.030362,0.029383,0.026444,0.024485,0.020568   Section 6, Pages 27 to 32, 1433 runes, 1-gram Frequency ᛒ ,ᛞ ,ᛖ ,ᛁ ,ᚱ ,ᚪ ,ᛟ  0.043963,0.039776,0.038381,0.038381,0.038381,0.037683,0.036985  ᛚ ,ᚹ ,ᚠ ,ᛡ ,ᛂ ,ᚩ ,ᛠ  0.036287,0.036287,0.036287,0.035589,0.035589,0.035589,0.034891  ᛗ ,ᛈ ,ᛝ ,ᚻ ,ᚦ ,ᛏ ,ᛇ  0.034891,0.034891,0.034194,0.033496,0.032798,0.032100,0.032100  ᚫ ,ᛋ ,ᛉ ,ᚣ ,ᚷ ,ᚢ ,ᚾ  0.032100,0.031402,0.031402,0.031402,0.030007,0.029309,0.028611  ᛉ ,ᚣ ,ᚷ ,ᚢ ,ᚾ ,ᚳ  0.031402,0.031402,0.030007,0.029309,0.028611,0.027215   Section 7, Pages 33 to 39, 1680 runes, 1-gram Frequency ᚪ ,ᛁ ,ᚢ ,ᛟ ,ᚹ ,ᚫ ,ᚳ  0.042261,0.041071,0.039881,0.039285,0.038095,0.038095,0.036904  ᛏ ,ᛋ ,ᚾ ,ᚻ ,ᚣ ,ᚷ ,ᛞ  0.036309,0.036309,0.036309,0.036309,0.036309,0.035714,0.035119  ᛚ ,ᛗ ,ᛝ ,ᛉ ,ᚱ ,ᛂ ,ᛡ  0.034523,0.034523,0.033928,0.033928,0.033333,0.032738,0.032142  ᛒ ,ᚦ ,ᛠ ,ᛈ ,ᛖ ,ᛇ ,ᚩ  0.031547,0.031547,0.030952,0.030952,0.029761,0.029166,0.029166  ᛠ ,ᛈ ,ᛖ ,ᛇ ,ᚩ ,ᚠ  0.030952,0.030952,0.029761,0.029166,0.029166,0.023809  Section 8, Pages 40 to 55, 3316 runes, 1-gram Frequency ᚩ ,ᛟ ,ᚠ ,ᛂ ,ᛖ ,ᚪ ,ᛁ  0.039807,0.039505,0.039505,0.039203,0.037997,0.037092,0.036791  ᚣ ,ᛒ ,ᚫ ,ᛗ ,ᛡ ,ᛏ ,ᚾ  0.036791,0.036188,0.036188,0.035886,0.034981,0.034981,0.034378  ᛝ ,ᛇ ,ᛋ ,ᛈ ,ᚦ ,ᛚ ,ᚢ  0.034077,0.034077,0.033474,0.033474,0.033172,0.032870,0.032870  ᛞ ,ᚱ ,ᛠ ,ᛉ ,ᚻ ,ᚳ ,ᚷ  0.032569,0.032267,0.031966,0.031966,0.030156,0.029855,0.029252  ᛠ ,ᛉ ,ᚻ ,ᚳ ,ᚷ ,ᚹ  0.031966,0.031966,0.030156,0.029855,0.029252,0.028649 | | *Last Edit:* Feb 2, 2016 at 7:45pm by [mortlach](https://cicada3301.boards.net/user/3) | |
| |  |  | | --- | --- | | [helicotrema](https://cicada3301.boards.net/user/103) New Member *  helicotrema Avatar  Posts: 3 | Dec 22, 2018 at 11:42pm  [Quote](https://cicada3301.boards.net/post/113/quote/15)[like](https://cicada3301.boards.net/thread/15/simple-gram-stats-runeglish-pages)  Post Options  **Post by helicotrema on Dec 22, 2018 at 11:42pm**  Why did you choose War and Peace? I never read it because its too long but does it represent the content of Cicada3301 "speak". Maybe the content should be a Zen Buddist document or one written by Leonardo di Pisa? | |  | |
| |  |  | | --- | --- | | [mortlach](https://cicada3301.boards.net/user/3) Administrator *****  mortlach Avatar  Posts: 36 | Jan 3, 2019 at 6:59pm  [Quote](https://cicada3301.boards.net/post/117/quote/15)[like](https://cicada3301.boards.net/thread/15/simple-gram-stats-runeglish-pages)  Post Options  **Post by mortlach on Jan 3, 2019 at 6:59pm**  Why choose War and Peace? It's a long book with many words.   I agree that it's not a true representation of "cicada-speak" but, does it have to be?  We don't have enough text from the puzzle makers to get a good representation of their language, so we have to choose something.  In later versions the entire Project Guttenburg catalog was used, then the entire google n-gram data-base (all converted to runeglish). | |  | |