Supplementary Table 1**.Quantitative Analysis of Six Emotion Labels across 16 Personality Types.**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| MBTI|Pnum | statistics | angry | fear | happy | neutral | sad | surprise |
| ENFJ  36600 | Enum | 22304 | 10667 | 28180 | 21330 | 23651 | 18551 |
| Sume | 7489 | 1231 | 15688 | 4786 | 6906 | 3045 |
| LAE | 0.3358 | 0.1154 | 0.5568 | 0.2244 | 0.2920 | 0.1642 |
| GAE | 0.2046 | 0.0336 | 0.4286 | 0.1308 | 0.1887 | 0.0832 |
| ANL | 0.6094 | 0.2914 | 0.7699 | 0.5828 | 0.6462 | 0.5069 |
| QEL | 8256 | 3198 | 14568 | 7833 | 8943 | 6625 |
| QEG | 11388 | 10667 | 17153 | 12612 | 13398 | 13758 |
| LHEP | 0.2256 | 0.0874 | 0.3980 | 0.2140 | 0.2443 | 0.1810 |
| GHEP | 0.3111 | 0.2914 | 0.4687 | 0.3446 | 0.3661 | 0.3759 |
| ENFP  90800 | Enum | 58073 | 27167 | 67164 | 53218 | 60299 | 45896 |
| Sume | 21033 | 3166 | 35778 | 11512 | 17890 | 7590 |
| LAE | 0.3622 | 0.1165 | 0.5327 | 0.2163 | 0.2967 | 0.1654 |
| GAE | 0.2316 | 0.0349 | 0.3940 | 0.1268 | 0.1970 | 0.0836 |
| ANL | 0.6396 | 0.2992 | 0.7397 | 0.5861 | 0.6641 | 0.5055 |
| QEL | 22341 | 8552 | 33549 | 19894 | 23515 | 16880 |
| QEG | 30029 | 27167 | 40459 | 33046 | 33517 | 33892 |
| LHEP | 0.2460 | 0.0942 | 0.3695 | 0.2191 | 0.2590 | 0.1859 |
| GHEP | 0.3308 | 0.2993 | 0.4456 | 0.3639 | 0.3691 | 0.3733 |
| ENTJ  14500 | Enum | 8819 | 4229 | 11258 | 9504 | 9421 | 7527 |
| Sume | 2977 | 485 | 5816 | 2304 | 2637 | 1208 |
| LAE | 0.3376 | 0.1146 | 0.5166 | 0.2424 | 0.2799 | 0.1605 |
| GAE | 0.2053 | 0.0334 | 0.4011 | 0.1589 | 0.1819 | 0.0833 |
| ANL | 0.6082 | 0.2917 | 0.7764 | 0.6554 | 0.6497 | 0.5191 |
| QEL | 3357 | 1319 | 5521 | 3544 | 3628 | 2641 |
| QEG | 4629 | 4229 | 6516 | 5523 | 5129 | 5524 |
| LHEP | 0.2315 | 0.0910 | 0.3808 | 0.2444 | 0.2502 | 0.1821 |
| GHEP | 0.3192 | 0.2917 | 0.4494 | 0.3809 | 0.3537 | 0.3810 |
| ENTP  21750 | Enum | 14363 | 6824 | 15891 | 13967 | 14571 | 11634 |
| Sume | 5400 | 791 | 7837.5 | 3182 | 3997 | 1998 |
| LAE | 0.3760 | 0.1159 | 0.4932 | 0.2279 | 0.2743 | 0.1718 |
| GAE | 0.2483 | 0.0364 | 0.3603 | 0.1463 | 0.1838 | 0.0919 |
| ANL | 0.6604 | 0.3137 | 0.7306 | 0.6422 | 0.6699 | 0.5349 |
| QEL | 5722 | 2180 | 7656 | 5227 | 5468 | 4162 |
| QEG | 7595 | 6824 | 9160 | 8076 | 7907 | 8140 |
| LHEP | 0.2631 | 0.1002 | 0.352 | 0.2403 | 0.2514 | 0.1914 |
| GHEP | 0.3492 | 0.3137 | 0.4211 | 0.3713 | 0.3635 | 0.3743 |
| ESFJ  14950 | Enum | 9290 | 4208 | 11218 | 8221 | 9620 | 7738 |
| Sume | 3312 | 490 | 6362 | 1730 | 2853 | 1268 |
| LAE | 0.3565 | 0.1165 | 0.5671 | 0.2104 | 0.2966 | 0.1639 |
| GAE | 0.2215 | 0.0328 | 0.4256 | 0.1157 | 0.1908 | 0.0848 |
| ANL | 0.6214 | 0.2815 | 0.7504 | 0.5499 | 0.6435 | 0.5176 |
| QEL | 3592 | 1260 | 5909 | 2872 | 3733 | 2774 |
| QEG | 4797 | 4208 | 6941 | 5196 | 5254 | 5733 |
| LHEP | 0.2403 | 0.0843 | 0.3953 | 0.1921 | 0.2497 | 0.1856 |
| GHEP | 0.3209 | 0.2815 | 0.4643 | 0.3476 | 0.3514 | 0.3835 |
| ESFP  16600 | Enum | 10401 | 4770 | 12432 | 9549 | 10853 | 8897 |
| Sume | 3695 | 548 | 6798 | 2066 | 3154 | 1500 |
| LAE | 0.3552 | 0.1148 | 0.5468 | 0.2164 | 0.2906 | 0.1687 |
| GAE | 0.2226 | 0.0330 | 0.4095 | 0.1245 | 0.1900 | 0.0904 |
| ANL | 0.6266 | 0.2873 | 0.7489 | 0.5752 | 0.6538 | 0.5360 |
| QEL | 3973 | 1442 | 6390 | 3500 | 4136 | 3356 |
| QEG | 5382 | 4770 | 7622 | 5934 | 6131 | 6199 |
| LHEP | 0.2393 | 0.0869 | 0.3849 | 0.2108 | 0.2492 | 0.2022 |
| GHEP | 0.3242 | 0.2873 | 0.4592 | 0.3575 | 0.3693 | 0.3734 |
| ESTJ  11150 | Enum | 7125 | 3397 | 8306 | 6643 | 7450 | 5782 |
| Sume | 2581 | 384 | 4407 | 1513 | 2100 | 937 |
| LAE | 0.3622 | 0.1129 | 0.5306 | 0.2278 | 0.2819 | 0.1620 |
| GAE | 0.2315 | 0.0344 | 0.3953 | 0.1357 | 0.1884 | 0.0840 |
| ANL | 0.6390 | 0.3047 | 0.7449 | 0.5958 | 0.6682 | 0.5186 |
| QEL | 2763 | 1036 | 4176 | 2489 | 2805 | 2070 |
| QEG | 3690 | 3397 | 4974 | 3988 | 4126 | 4232 |
| LHEP | 0.2478 | 0.0929 | 0.3745 | 0.2232 | 0.2516 | 0.1857 |
| GHEP | 0.3309 | 0.3047 | 0.4461 | 0.3577 | 0.3700 | 0.3796 |
| ESTP  7700 | Enum | 4769 | 2274 | 5759 | 4784 | 4901 | 4129 |
| Sume | 1759 | 259 | 3115 | 1071 | 1355 | 689 |
| LAE | 0.3688 | 0.1139 | 0.5409 | 0.2238 | 0.2765 | 0.1668 |
| GAE | 0.2284 | 0.0336 | 0.4046 | 0.1390 | 0.1760 | 0.0894 |
| ANL | 0.6194 | 0.2953 | 0.7479 | 0.6213 | 0.6365 | 0.5362 |
| QEL | 1848 | 689 | 2894 | 1721 | 1871 | 1508 |
| QEG | 2587 | 2274 | 3509 | 2780 | 2730 | 3128 |
| LHEP | 0.24 | 0.0895 | 0.3758 | 0.2235 | 0.2430 | 0.1958 |
| GHEP | 0.3360 | 0.2953 | 0.4557 | 0.3610 | 0.3545 | 0.4062 |
| INFJ  72050 | Enum | 44857 | 22145 | 53938 | 43792 | 48196 | 36899 |
| Sume | 15509 | 2588 | 28599 | 9814 | 14393 | 6117 |
| LAE | 0.3457 | 0.1169 | 0.5302 | 0.2241 | 0.2986 | 0.1658 |
| GAE | 0.2153 | 0.0359 | 0.3969 | 0.1362 | 0.1998 | 0.0849 |
| ANL | 0.6226 | 0.3074 | 0.7486 | 0.6078 | 0.6689 | 0.51213 |
| QEL | 16898 | 6930 | 26944 | 16021 | 18868 | 13440 |
| QEG | 23261 | 22145 | 32292 | 26117 | 26774 | 27323 |
| LHEP | 0.2345 | 0.0962 | 0.3740 | 0.2224 | 0.2619 | 0.1865 |
| GHEP | 0.3228 | 0.3074 | 0.4482 | 0.3625 | 0.3716 | 0.3792 |
| INFP  96000 | Enum | 61115 | 30269 | 70185 | 59676 | 63979 | 49263 |
| Sume | 22299 | 3514 | 35782 | 13484 | 19181 | 8154 |
| LAE | 0.3649 | 0.1161 | 0.5099 | 0.2260 | 0.2998 | 0.1655 |
| GAE | 0.2323 | 0.0366 | 0.3727 | 0.1405 | 0.1998 | 0.0849 |
| ANL | 0.6366 | 0.3153 | 0.7311 | 0.6216 | 0.6664 | 0.5132 |
| QEL | 23899 | 9381 | 34995 | 22340 | 25216 | 17922 |
| QEG | 31961 | 30269 | 41697 | 34023 | 35833 | 36179 |
| LHEP | 0.2489 | 0.0977 | 0.3645 | 0.2327 | 0.2627 | 0.1867 |
| GHEP | 0.3329 | 0.3153 | 0.4343 | 0.3544 | 0.3732 | 0.3769 |
| INTJ  29600 | Enum | 18613 | 9034 | 22263 | 19424 | 19247 | 15622 |
| Sume | 6514 | 1035 | 11287 | 4629 | 5466 | 2626 |
| LAE | 0.3500 | 0.1146 | 0.5070 | 0.2383 | 0.2840 | 0.1681 |
| GAE | 0.2201 | 0.0350 | 0.3813 | 0.1564 | 0.1846 | 0.0887 |
| ANL | 0.6288 | 0.3052 | 0.7521 | 0.6562 | 0.6502 | 0.5278 |
| QEL | 7159 | 2729 | 10997 | 7365 | 7359 | 5752 |
| QEG | 9590 | 9034 | 12931 | 11046 | 10801 | 11551 |
| LHEP | 0.2419 | 0.0922 | 0.3715 | 0.2488 | 0.2486 | 0.1943 |
| GHEP | 0.3240 | 0.3052 | 0.4369 | 0.3732 | 0.3649 | 0.3902 |
| INTP  36750 | Enum | 24314 | 11700 | 26250 | 24248 | 24866 | 19800 |
| Sume | 9076 | 1389 | 12456 | 5691 | 7105 | 3381 |
| LAE | 0.3733 | 0.1187 | 0.4745 | 0.2347 | 0.2857 | 0.1707 |
| GAE | 0.2470 | 0.0378 | 0.3390 | 0.1549 | 0.1933 | 0.0920 |
| ANL | 0.6616 | 0.3184 | 0.7143 | 0.65981 | 0.6766 | 0.5388 |
| QEL | 9563 | 3784 | 12439 | 9094 | 9674 | 7051 |
| QEG | 12800 | 11700 | 15313 | 13676 | 13573 | 13659 |
| LHEP | 0.2602 | 0.1030 | 0.3385 | 0.2475 | 0.2632 | 0.1919 |
| GHEP | 0.3483 | 0.3184 | 0.4167 | 0.3721 | 0.3693 | 0.3717 |
| ISFJ  37050 | Enum | 22633 | 10842 | 27601 | 21676 | 23649 | 18422 |
| Sume | 8186 | 1252 | 15482 | 4554 | 7071 | 3007 |
| LAE | 0.3617 | 0.1155 | 0.5610 | 0.2101 | 0.2990 | 0.1632 |
| GAE | 0.2209 | 0.0338 | 0.4179 | 0.1229 | 0.1909 | 0.0811 |
| ANL | 0.6109 | 0.2926 | 0.7450 | 0.5850 | 0.6383 | 0.4972 |
| QEL | 8664 | 3229 | 14542 | 7921 | 9305 | 6375 |
| QEG | 11781 | 10842 | 17435 | 13248 | 13273 | 13350 |
| LHEP | 0.2338 | 0.0872 | 0.3925 | 0.2138 | 0.2511 | 0.1721 |
| GHEP | 0.3180 | 0.2926 | 0.4706 | 0.3576 | 0.3582 | 0.3603 |
| ISFP  35550 | Enum | 22419 | 10892 | 25997 | 21017 | 23242 | 18123 |
| Sume | 8335 | 1282 | 13940 | 4555.84 | 6846 | 3014 |
| LAE | 0.3718 | 0.1177 | 0.5362 | 0.2168 | 0.2945 | 0.1663 |
| GAE | 0.2345 | 0.0361 | 0.3921 | 0.1282 | 0.1926 | 0.0848 |
| ANL | 0.6307 | 0.3064 | 0.7313 | 0.5912 | 0.6538 | 0.5098 |
| QEL | 8774 | 3387 | 13368 | 8016 | 8963 | 6566 |
| QEG | 11777 | 10892 | 15928 | 13105 | 12808 | 13394 |
| LHEP | 0.2468 | 0.0953 | 0.3760 | 0.2255 | 0.2521 | 0.1847 |
| GHEP | 0.3313 | 0.3064 | 0.4480 | 0.3686 | 0.3603 | 0.3768 |
| ISTJ  23600 | Enum | 14941 | 7158 | 17279 | 14918 | 15564 | 12518 |
| Sume | 5426 | 813 | 8945 | 3360 | 4513 | 2113 |
| LAE | 0.3631 | 0.1135 | 0.5177 | 0.2252 | 0.2899 | 0.1688 |
| GAE | 0.2299 | 0.0344 | 0.3790 | 0.1424 | 0.1912 | 0.0895 |
| ANL | 0.6331 | 0.3033 | 0.7322 | 0.6321 | 0.6595 | 0.5304 |
| QEL | 5818 | 2079 | 8660 | 5386 | 6106 | 4763 |
| QEG | 7950 | 7158 | 10384 | 8454 | 8568 | 9341 |
| LHEP | 0.2465 | 0.0881 | 0.3669 | 0.2282 | 0.2587 | 0.2018 |
| GHEP | 0.3369 | 0.3033 | 0.44 | 0.3582 | 0.3631 | 0.3958 |
| ISTP  22250 | Enum | 14475 | 7000 | 16050 | 14178 | 14601 | 12125 |
| Sume | 5534 | 785 | 8057 | 3181 | 4142 | 2062 |
| LAE | 0.3823 | 0.1122 | 0.5020 | 0.2244 | 0.2837 | 0.1701 |
| GAE | 0.2487 | 0.0353 | 0.3621 | 0.1430 | 0.1862 | 0.0927 |
| ANL | 0.6506 | 0.3146 | 0.7213 | 0.6372 | 0.6562 | 0.5450 |
| QEL | 5767 | 2057 | 7921 | 5257 | 5568 | 4254 |
| QEG | 7733 | 7000 | 9631 | 8081 | 8187 | 8377 |
| LHEP | 0.2592 | 0.0924 | 0.356 | 0.23627 | 0.2502 | 0.1912 |
| GHEP | 0.3476 | 0.3146 | 0.4329 | 0.3632 | 0.3680 | 0.3765 |