

TSTST 2022 Statistics

Mathematical Olympiad Summer Program

EVAN CHEN 《陳誼廷》

June 27, 2022

§1 Summary of scores for TSTST 2022

| | | | | | |
|----------|-------|--------|----|--------|----|
| N | 59 | 1st Q | 9 | Max | 50 |
| μ | 16.86 | Median | 16 | Top 3 | 38 |
| σ | 10.94 | 3rd Q | 22 | Top 12 | 25 |

§2 Problem statistics for TSTST 2022

| | P1 | P2 | P3 | P4 | P5 | P6 | P7 | P8 | P9 |
|-----|-------|-------|------|-------|-------|-------|-------|-------|------|
| 0 | 8 | 47 | 39 | 6 | 28 | 49 | 36 | 39 | 55 |
| 1 | 7 | 0 | 19 | 2 | 12 | 0 | 0 | 5 | 2 |
| 2 | 23 | 4 | 0 | 7 | 3 | 1 | 0 | 3 | 1 |
| 3 | 8 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 0 |
| 4 | 4 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 |
| 5 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 |
| 6 | 1 | 1 | 0 | 2 | 2 | 2 | 1 | 2 | 0 |
| 7 | 8 | 7 | 0 | 41 | 12 | 5 | 20 | 10 | 1 |
| Avg | 2.63 | 1.07 | 0.39 | 5.39 | 2.07 | 0.95 | 2.61 | 1.58 | 0.19 |
| QM | 3.35 | 2.59 | 0.77 | 5.99 | 3.49 | 2.42 | 4.22 | 3.13 | 0.97 |
| #5+ | 9 | 8 | 0 | 43 | 15 | 7 | 22 | 12 | 1 |
| %5+ | %15.3 | %13.6 | %0.0 | %72.9 | %25.4 | %11.9 | %37.3 | %20.3 | %1.7 |

§3 Rankings for TSTST 2022

| Sc | Num | Cu | Per | Sc | Num | Cu | Per | Sc | Num | Cu | Per |
|----|-----|----|-------|----|-----|----|--------|----|-----|----|---------|
| 63 | 0 | 0 | 0.00% | 42 | 0 | 2 | 3.39% | 21 | 0 | 18 | 30.51% |
| 62 | 0 | 0 | 0.00% | 41 | 0 | 2 | 3.39% | 20 | 1 | 19 | 32.20% |
| 61 | 0 | 0 | 0.00% | 40 | 0 | 2 | 3.39% | 19 | 1 | 20 | 33.90% |
| 60 | 0 | 0 | 0.00% | 39 | 0 | 2 | 3.39% | 18 | 4 | 24 | 40.68% |
| 59 | 0 | 0 | 0.00% | 38 | 1 | 3 | 5.08% | 17 | 4 | 28 | 47.46% |
| 58 | 0 | 0 | 0.00% | 37 | 0 | 3 | 5.08% | 16 | 3 | 31 | 52.54% |
| 57 | 0 | 0 | 0.00% | 36 | 0 | 3 | 5.08% | 15 | 2 | 33 | 55.93% |
| 56 | 0 | 0 | 0.00% | 35 | 1 | 4 | 6.78% | 14 | 3 | 36 | 61.02% |
| 55 | 0 | 0 | 0.00% | 34 | 0 | 4 | 6.78% | 13 | 3 | 39 | 66.10% |
| 54 | 0 | 0 | 0.00% | 33 | 1 | 5 | 8.47% | 12 | 1 | 40 | 67.80% |
| 53 | 0 | 0 | 0.00% | 32 | 0 | 5 | 8.47% | 11 | 1 | 41 | 69.49% |
| 52 | 0 | 0 | 0.00% | 31 | 1 | 6 | 10.17% | 10 | 2 | 43 | 72.88% |
| 51 | 0 | 0 | 0.00% | 30 | 2 | 8 | 13.56% | 9 | 2 | 45 | 76.27% |
| 50 | 1 | 1 | 1.69% | 29 | 1 | 9 | 15.25% | 8 | 3 | 48 | 81.36% |
| 49 | 1 | 2 | 3.39% | 28 | 0 | 9 | 15.25% | 7 | 1 | 49 | 83.05% |
| 48 | 0 | 2 | 3.39% | 27 | 2 | 11 | 18.64% | 6 | 1 | 50 | 84.75% |
| 47 | 0 | 2 | 3.39% | 26 | 0 | 11 | 18.64% | 5 | 1 | 51 | 86.44% |
| 46 | 0 | 2 | 3.39% | 25 | 1 | 12 | 20.34% | 4 | 1 | 52 | 88.14% |
| 45 | 0 | 2 | 3.39% | 24 | 0 | 12 | 20.34% | 3 | 2 | 54 | 91.53% |
| 44 | 0 | 2 | 3.39% | 23 | 2 | 14 | 23.73% | 2 | 2 | 56 | 94.92% |
| 43 | 0 | 2 | 3.39% | 22 | 4 | 18 | 30.51% | 1 | 2 | 58 | 98.31% |
| | | | | | | | | 0 | 1 | 59 | 100.00% |

§4 Histogram for TSTST 2022

