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# Dice vs Loaded Dice Statistical Analysis Summary

| | Sample | # Rolls | # of sides | Times Value Augmented | % Prob ++ | Sum Rolls | Max Roll | Min Roll | Range | Median | Mean | Mode | Std Dev |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Dice | 1 | 100 | 5 | – | – | 304 | 5 | 1 | 1–5 | 3 | 3.04 | 5 | 1.449 |
| LoadedDice | | | 5 | 5 | 5% | 311 | 5 | 1 | 1–5 | 3 | 3.11 | 4 | 1.413 |
| Dice | 2 | 100 | 5 | – | – | 333 | 5 | 1 | 1–5 | 3.5 | 3.33 | 5 | 1.422 |
| LoadedDice | | | 5 | 9 | 9% | 317 | 5 | 1 | 1–5 | 3 | 3.17 | 5 | 1.471 |
| Dice | 3 | 100 | 5 | – | – | 267 | 5 | 1 | 1–5 | 2 | 2.67 | 1 | 1.429 |
| LoadedDice | | | 5 | 11 | 11% | 307 | 5 | 1 | 1–5 | 3 | 3.07 | 2 | 1.437 |
| 5 SIDE AVG | | Dice Object | – | – | | 301.333 | 5 | 1 | 1–5 | 2.833 | 3.013 | 3.667 | 1.433 |
| | | LoadedDice Object | 8.333 | 8.33% | | 311.667 | 5 | 1 | 1–5 | 3.000 | 3.065 | 3.667 | 1.437 |
| Dice | 4 | 100 | 6 | – | – | 393 | 6 | 1 | 1–6 | 4 | 3.93 | 5 | 1.760 |
| LoadedDice | | | 6 | 9 | 9% | 374 | 6 | 1 | 1–6 | 4 | 3.74 | 6 | 1.829 |
| Dice | 5 | 100 | 6 | – | – | 366 | 6 | 1 | 1–6 | 4 | 3.66 | 5 | 1.765 |
| LoadedDice | | | 6 | 10 | 10% | 391 | 6 | 1 | 1–6 | 4 | 3.91 | 6 | 1.700 |
| Dice | 6 | 100 | 6 | – | – | 373 | 6 | 1 | 1–6 | 4 | 3.73 | 6 | 1.830 |
| LoadedDice | | | 6 | 7 | 7% | 335 | 6 | 1 | 1–6 | 3 | 3.35 | 4 | 1.591 |
| 6 SIDE AVG | | Dice Object | – | – | | 377.333 | 5 | 1 | 1–5 | 4.000 | 3.773 | 5.333 | 1.785 |
| | | LoadedDice Object | 8.667 | 8.67% | | 366.667 | 5 | 1 | 1–6 | 3.667 | 3.720 | 5.333 | 1.746 |
| Dice | 7 | 100 | 7 | – | – | 399 | 7 | 1 | 1–7 | 4 | 3.99 | 5 | 2.033 |
| LoadedDice | | | 7 | 7 | 7% | 408 | 7 | 1 | 1–7 | 4 | 4.08 | 7 | 2.038 |
| Dice | 8 | 100 | 7 | – | – | 392 | 7 | 1 | 1–7 | 4 | 3.92 | 2 | 1.958 |
| LoadedDice | | | 7 | 4 | 4% | 415 | 7 | 1 | 1–7 | 4 | 4.15 | 5 | 1.987 |
| Dice | 9 | 100 | 7 | – | – | 410 | 7 | 1 | 1–7 | 4 | 4.1 | 7 | 2.120 |
| LoadedDice | | | 7 | 9 | 9% | 409 | 7 | 1 | 1–7 | 4 | 4.09 | 5 | 1.975 |
| 7 SIDE AVG | | Dice Object | – | – | | 400.333 | 5 | 1 | 1–5 | 4.000 | 4.003 | 4.667 | 2.037 |
| | | LoadedDice Object | 6.667 | 6.67% | | 410.667 | 5 | 1 | 1–7 | 4.000 | 4.055 | 5.167 | 2.018 |
| Dice | 10 | 100 | 8 | – | – | 490 | 8 | 1 | 1–8 | 5 | 4.9 | 8 | 2.263 |
| LoadedDice | | | 8 | 10 | 10% | 464 | 8 | 1 | 1–8 | 4.5 | 4.64 | 3 | 2.153 |
| Dice | 11 | 100 | 8 | – | – | 445 | 8 | 1 | 1–8 | 4 | 4.45 | 2 | 2.346 |
| LoadedDice | | | 8 | 6 | 6% | 463 | 8 | 1 | 1–8 | 5 | 4.63 | 8 | 2.321 |
| Dice | 12 | 100 | 8 | – | – | 411 | 8 | 1 | 1–8 | 4 | 4.11 | 2 | 2.150 |
| LoadedDice | | | 8 | 12 | 12% | 489 | 8 | 1 | 1–8 | 5 | 4.89 | 3 | 2.188 |
| 8 SIDE AVG | | Dice Object | – | – | | 448.667 | 5 | 1 | 1–5 | 4.333 | 4.487 | 4.000 | 2.253 |
| | | LoadedDice Object | 9.333 | 9.33% | | 472.000 | 5 | 1 | 1–8 | 4.833 | 4.603 | 4.333 | 2.237 |
| Dice | 13 | 100 | 9 | – | – | 489 | 9 | 1 | 1–9 | 5 | 4.89 | 4 | 2.530 |
| LoadedDice | | | 9 | 12 | 12% | 519 | 9 | 1 | 1–9 | 5 | 5.19 | 8 | 2.688 |
| Dice | 14 | 100 | 9 | – | – | 534 | 9 | 1 | 1–9 | 6 | 5.34 | 7 | 2.583 |
| LoadedDice | | | 9 | 8 | 8% | 516 | 9 | 1 | 1–9 | 5 | 5.16 | 6 | 2.569 |
| Dice | 15 | 100 | 9 | – | – | 526 | 9 | 1 | 1–9 | 5 | 5.26 | 8 | 2.695 |
| LoadedDice | | | 9 | 7 | 7% | 569 | 9 | 1 | 1–9 | 6 | 5.69 | 9 | 2.589 |
| 9 SIDE AVG | | Dice Object | – | – | | 516.333 | 5 | 1 | 1–5 | 5.333 | 5.163 | 6.333 | 2.603 |
| | | LoadedDice Object | 9.000 | 9.00% | | 534.667 | 5 | 1 | 1–9 | 5.333 | 5.255 | 7.000 | 2.609 |
| Dice | 16 | 100 | 10 | – | – | 541 | 10 | 1 | 1–10 | 5 | 5.41 | 8 | 2.882 |
| LoadedDice | | | 10 | 11 | 11% | 536 | 10 | 1 | 1–10 | 5 | 5.36 | 3 | 2.787 |
| Dice | 17 | 100 | 10 | – | – | 564 | 10 | 1 | 1–10 | 5.5 | 5.64 | 7 | 2.820 |
| LoadedDice | | | 10 | 10 | 10% | 591 | 10 | 1 | 1–10 | 6 | 5.91 | 10 | 3.025 |
| Dice | 18 | 100 | 10 | – | – | 555 | 10 | 1 | 1–10 | 6 | 5.55 | 10 | 3.063 |
| LoadedDice | | | 10 | 12 | 12% | 572 | 10 | 1 | 1–10 | 6 | 5.72 | 9 | 2.871 |
| 10 SIDE AVG | | Dice Object | – | – | | 553.333 | 5 | 1 | 1–5 | 5.500 | 5.533 | 8.333 | 2.921 |
| | | LoadedDice Object | 11.000 | 11.00% | | 566.333 | 5 | 1 | 1–10 | 5.667 | 5.598 | 7.833 | 2.908 |
| Dice AVG | | 100 | 7.5 | – | – | 432.888889 | 7.5 | 1 | 1–7.5 | 4.33333333 | 4.32888889 | 5.38888889 | 2.17203539 |
| LoadedDice AVG | | 100 | 7.5 | 8.83333333 | 8.83% | 443.666667 | 7.5 | 1 | 1–7.5 | 4.41666667 | 4.43666667 | 5.72222222 | 2.14633904 |
| Difference | | 0 | 0 | – | – | 10.7777778 | 0 | 0 | 0 | 0.08333333 | 0.10777778 | 0.33333333 | -0.0256963 |