**T-test p-values: Comparing Accuracy of Different Power Voting Methods Against the Equal-Power MethodT-test p-values (Alternate Hypothesis: Other Methods Have Greater Accuracy): Comparing Accuracy of Different Power Voting Methods Against the Equal-Power Method**

| Datasets | Number of models | Inv. Entropy | CRH | Acc | LOO | Shap | Regression |
|---|---|---|---|---|---|---|---|
| | 5 | 0.4534473712 | 9.29E-15 | 2.05E-18 | 2.00E-13 | 1.03E-20 | 7.75E-20 |
| Phising Borda | 10 | 0.3879717144 | 2.65E-13 | 3.37E-19 | 4.47E-19 | 9.34E-20 | 3.55E-19 |
| | 15 | 0.4459811059 | 1.46E-12 | 2.21E-17 | 6.07E-19 | 7.17E-19 | 8.93E-19 |
| | 5 | 0.5 | 4.16E-07 | 1.41E-17 | 2.01E-08 | 1.23E-20 | 3.74E-19 |
| Phising Plurality | 10 | 5.57E-16 | 2.55E-16 | 2.69E-19 | 2.57E-19 | 1.22E-19 | 1.44E-19 |
| | 15 | 0.5 | 7.54E-13 | 7.15E-18 | 1.36E-19 | 2.92E-19 | 1.81E-19 |
| | 3 | 0.5 | 0.4068209518 | 4.21E-16 | 1.00E+00 | 5.48E-17 | 0.06112723121 |
| DMOZ Borda | 5 | 0.4996599237 | 3.15E-11 | 8.37E-19 | 1.00E+00 | 4.52E-21 | 0.00402161612 |
| | 7 | 0.4996325776 | 2.53E-10 | 1.29E-16 | 1.00E+00 | 2.43E-22 | 0.0001547274858 |
| | 10 | 0.5 | 2.25E-08 | 5.39E-13 | 1.00E+00 | 1.10E-19 | 0.003269470332 |
| | 3 | 1.00E+00 | 2.92E-07 | 8.01E-24 | 1.00E+00 | 1.00E+00 | 1.00E+00 |
| DMOZ Plurality | 5 | 2.00E-25 | 8.21E-25 | 1.37E-38 | 1.00E+00 | 1.06E-38 | 4.82E-25 |
| | 7 | 1.83E-10 | 6.02E-29 | 3.16E-30 | 1.00E+00 | 3.65E-33 | 5.17E-11 |
| | 10 | 2.61E-23 | 4.34E-25 | 1.67E-28 | 0.02701886396 | 1.09E-30 | 3.10E-23 |
| | 8 | 5.11E-16 | 0.0004012123724 | 3.14E-14 | 7.02E-12 | 7.64E-25 | 1.21E-26 |
| CINIC-10 LF Borda | 12 | 1.97E-20 | 4.13E-05 | 5.77E-16 | 8.08E-12 | 2.89E-23 | 4.75E-26 |
| | 16 | 9.12E-24 | 3.10E-05 | 4.72E-19 | 1.00E+00 | 2.04E-25 | 1.62E-24 |
| | 8 | 5.97E-36 | 6.32E-22 | 3.86E-28 | 0.01701413038 | 7.64E-39 | 3.39E-31 |
| CINIC-10 LF Plurality | 12 | 6.52E-33 | 3.56E-15 | 3.57E-28 | 1.49E-39 | 4.67E-39 | 9.47E-38 |
| | 16 | 5.28E-31 | 3.90E-17 | 2.02E-27 | 5.43E-33 | 7.55E-40 | 4.06E-34 |
| | 8 | 2.36E-10 | 0.801558538 | 2.53E-19 | 1.00E+00 | 1.38E-33 | 2.56E-38 |
| CINIC-10 CI Borda | 12 | 2.63E-12 | 0.9276157766 | 1.65E-18 | 1.00E+00 | 4.59E-37 | 2.84E-48 |
| | 16 | 0.3007153161 | 1.00E+00 | 2.48E-23 | 3.03E-18 | 9.85E-44 | 3.48E-55 |
| | 8 | 1.18E-25 | 1.13E-10 | 6.90E-32 | 1.00E+00 | 2.20E-38 | 3.78E-31 |
| CINIC-10 CI Plurality | 12 | 1.07E-27 | 3.67E-11 | 2.92E-28 | 1.00E+00 | 3.55E-44 | 3.30E-48 |
| | 16 | 2.44E-23 | 1.64E-05 | 9.99E-35 | 1.00E+00 | 2.21E-49 | 3.88E-55 |
| | 3 | 0.4150417437 | 0.3892220237 | 0.3771931561 | 0.9290552595 | 0.4240594004 | 0.1607407156 |
| | 4 | 0.5469394571 | 0.4701200992 | 0.3841699844 | 0.9637399693 | 0.06100567736 | 0.04906998362 |
| | 5 | 0.631887055 | 0.3913293257 | 0.2910286622 | 0.9788111313 | 0.1194858119 | 0.02248870809 |
| | 6 | 0.9142640167 | 0.3754912903 | 0.3331229866 | 0.9789955517 | 0.8910976995 | 0.0535972124 |
| | 7 | 0.8032444182 | 0.4661217978 | 0.2784939081 | 0.9292321462 | 0.5731597502 | 0.01636224576 |
| | 8 | 0.3555609531 | 0.4018739091 | 0.2642179965 | 0.9244055854 | 0.5336733593 | 0.1889939229 |
| MNIST Borda | 9 | 0.5777608064 | 0.6539094159 | 0.4370841319 | 0.9890451588 | 0.3859349734 | 0.0608157599 |
| | 10 | 0.4258535411 | 0.5018093078 | 0.3921264442 | 0.9786184913 | 0.2187920852 | 0.01780087946 |
| | 11 | 0.4293028849 | 0.4520031872 | 0.4364379628 | 0.955920361 | 0.6430550758 | 0.09385115661 |
| | 12 | 0.3164935445 | 0.4522455895 | 0.2870087762 | 0.9614185193 | 0.02332910537 | 0.181446422 |
| | 13 | 0.4343091145 | 0.4238915903 | 0.3818152632 | 0.9922724629 | 1.00E+00 | 0.03709154896 |
| | 14 | 0.6019305965 | 0.4295310879 | 0.4163230144 | 0.9610320249 | 0.7670841549 | 0.08495255228 |
| | 15 | 0.5189841039 | 0.4407468124 | 0.1548060682 | 0.9304557932 | 0.5909587908 | 0.01144787535 |
| | 16 | 0.5286800433 | 0.4862443739 | 0.3520065847 | 0.9946111672 | 0.7879987185 | 0.01918734418 |
| | 3 | 0.3242476856 | 0.3107934849 | 0.2840582464 | 0.9327343834 | 0.3430590188 | 0.1271798683 |
| | 4 | 0.4716291603 | 0.398193382 | 0.3276838374 | 0.9631508403 | 0.04505727358 | 0.03593609652 |
| | 5 | 0.5547057044 | 0.3273143492 | 0.2106487014 | 0.9783682502 | 0.0827068011 | 0.01505050738 |
| | 6 | 0.9112356269 | 0.3028865779 | 0.2645683821 | 0.978195675 | 0.8480053549 | 0.04386919816 |
| | 7 | 0.793910622 | 0.3670098114 | 0.1783740867 | 0.9251453785 | 0.4427999293 | 0.009988420897 |
| | 8 | 0.2075386692 | 0.2720750552 | 0.1709213358 | 0.9215061141 | 0.3405408443 | 0.1135636095 |
| MNIST Plurality | 9 | 0.4618592104 | 0.5476467302 | 0.3154892031 | 0.9886657698 | 0.273778157 | 0.03602825951 |
| | 10 | 0.3640608132 | 0.4660232715 | 0.3441863201 | 0.9780251853 | 0.1861026573 | 0.01623360561 |
| | 11 | 0.3433594744 | 0.3882236653 | 0.3597260467 | 0.9554826838 | 0.5985272395 | 0.07042862483 |
| | 12 | 0.2967614955 | 0.4186244095 | 0.2659232696 | 0.9611512079 | 0.01829292514 | 0.1615968895 |
| | 13 | 0.3844041628 | 0.3663802566 | 0.3178446676 | 0.9921159315 | 1.00E+00 | 0.02716496189 |
| | 14 | 0.524125072 | 0.3409536701 | 0.342704673 | 0.9597035949 | 0.6858650842 | 0.06043293245 |
| | 15 | 0.457663839 | 0.3592053955 | 0.1063797504 | 0.929124814 | 0.5023735553 | 0.01305779677 |
| | 16 | 0.4130137158 | 0.38806372 | 0.241599936 | 0.9944840376 | 0.7154848019 | 0.01327338662 |