Random Forest

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Company | Score | Mean Absolute Error | Mean Squared Error | Root Mean Squared Error |
| Airtel | 0.9991195169888921 | 2.1533122315933935 | 14.983072098058717 | 3.870797346550025 |
| Tata Motors | 0.9995651255463592 | 1.459956855495498 | 8.889294333457343 | 2.9814919643455933 |
| ITC | 0.9998494790488717 | 0.587921217538507 | 1.470226909614577 | 1.2125291376352887 |
| Cipla | 0.9998404128821924 | 1.565045441231077 | 7.8700705868889695 | 2.8053646085471615 |
| Raymond | 0.9995554324696261 | 2.7205670466170537 | 22.090195590396007 | 4.700020807442878 |
| Bajaj Electricals | 0.9994818570471729 | 1.893172855971946 | 15.27584898948973 | 3.908433060638205 |
| L&T | 0.9997995248180133 | 2.940406573006587 | 41.6530730373732 | 6.4539191997865295 |
| Reliance | 0.999759640404542 | 2.694014260011544 | 47.417975385859435 | 6.886071113912449 |
| SBI | 0.9996652466832032 | 1.0704694121071496 | 3.77416038884499 | 1.9427198431181452 |
| Tata Steel | 0.9994432357325554 | 2.414951708670181 | 22.01017141061674 | 4.691499910542122 |
| TCS | 0.9997655604303459 | 5.338242262983608 | 122.82449352746914 | 11.082621239015126 |

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| --- | --- | --- | --- | --- |
| Company | Score | Mean Absolute Error | Mean Squared Error | Root Mean Squared Error |
| Airtel | 0.03636691662821667 | 95.58365495232083 | 16398.026744510706 | 128.0547802485745 |
| Tata Motors | 0.022296935834536624 | 110.27477351165942 | 19985.28594937957 | 141.36932464074224 |
| ITC | 0.17858657387436538 | 72.93639885138901 | 8023.22941727412 | 89.57248136159967 |
| Cipla | 0.7811133765778417 | 69.94178036717791 | 10794.437549366181 | 103.89628265422292 |
| Raymond | 0.5353479227289363 | 94.12819427564506 | 23088.180236126405 | 151.94795239201613 |
| Bajaj Electricals | 0.7764987064136919 | 40.219720915282394 | 6589.247216720965 | 81.17417826329358 |
| L&T | 0.8027174276287357 | 122.54933423693835 | 40989.739051705226 | 202.45922812187453 |
| Reliance | 0.6576819783685877 | 142.2675608527778 | 67532.26345271753 | 259.86970476128516 |
| SBI | 0.21699656516720167 | 76.40509961377326 | 8827.935078741344 | 93.95709168945868 |
| Tata Steel | 0.2334646889871449 | 127.81743218484101 | 30302.90299541087 | 174.0772902920162 |
| TCS | 0.2644628727367473 | 432.00732589426684 | 385352.9302244724 | 620.7680164316397 |

Decision Tree

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Company | Score | Mean Absolute Error | Mean Squared Error | Root Mean Squared Error |
| Airtel | 0.9992368620001632 | 1.980685423866528 | 12.986226341763112 | 3.6036407065304266 |
| Tata Motors | 0.9992546652559353 | 1.9199947147798737 | 15.235431425035916 | 3.9032590773654667 |
| ITC | 0.999788422898985 | 0.7457379840570588 | 2.0665983375657557 | 1.4375668115137312 |
| Cipla | 0.999764145145484 | 1.9491920846625774 | 11.63122925459735 | 3.410458804119667 |
| Raymond | 0.9993320401395694 | 3.5675212989301444 | 33.190377063828166 | 5.761109013360897 |
| Bajaj Electricals | 0.9991754523492353 | 2.467190434943047 | 24.30924772592916 | 4.93044092611697 |
| L&T | 0.9996911373585288 | 3.765126865666588 | 64.17292173634696 | 8.010800318092254 |
| Reliance | 0.9996582381589276 | 3.5916601095679 | 67.42254053524123 | 8.211122976502132 |
| SBI | 0.9993052533720397 | 1.4647369886721207 | 7.832887896740799 | 2.79872969340392 |
| Tata Steel | 0.9992060221459613 | 3.091274641108972 | 31.387769807561646 | 5.602478898448583 |
| TCS | 0.9995868233851392 | 6.877285705272266 | 216.4660536297661 | 14.712785379722158 |

Linear Regression

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Company | Score | Mean Absolute Error | Mean Squared Error | Root Mean Squared Error |
| Airtel | 0.9991195169888921 | 2.1533122315933935 | 14.983072098058717 | 3.870797346550025 |
| Tata Motors | 0.9996444512004844 | 1.2827347444499821 | 7.267793962928234 | 2.6958846345732663 |
| ITC | 0.999865414545282 | 0.5177215480136214 | 1.3145755171348772 | 1.1465493958547435 |
| Cipla | 0.9998635233038317 | 1.3552706164953015 | 6.730375528209442 | 2.594296730948378 |
| Raymond | 0.9996164317030973 | 2.512867584946238 | 19.05919376012295 | 4.365683653234961 |
| Bajaj Electricals | 0.9996544318414619 | 1.7119505797303762 | 10.188012741659934 | 3.1918666547429475 |
| L&T | 0.9998345397687781 | 2.45515424537645 | 34.37795655084162 | 5.863271829861005 |
| Reliance | 0.9998287544344544 | 2.301891013087706 | 33.78320718384037 | 5.8123323359767 |
| SBI | 0.9997204497467138 | 0.9414575153041137 | 3.151776068240031 | 1.7753242149647006 |
| Tata Steel | 0.9995572964698342 | 2.096082101981949 | 17.501088257257443 | 4.183430202269119 |
| TCS | 0.9998125793353351 | 4.476427273658195 | 98.19096771085111 | 9.909135568295103 |