|  |  |  |
| --- | --- | --- |
| Iterations | Accuracy of LSTM | Accuracy of LightGCN |
| 1 | 48.00 | 69.29 |
| 2 | 48.25 | 69.28 |
| 3 | 48.96 | 69.27 |
| 4 | 47.94 | 69.24 |
| 5 | 47.24 | 69.21 |
| 6 | 47.31 | 69.07 |
| 7 | 49.36 | 68.97 |
| 8 | 49.86 | 68.83 |
| 9 | 48.15 | 68.45 |
| 10 | 17.00 | 68.21 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Algorithm | | N | Mean | Std. Deviation | Std. Error Mean |
| Accuracy | LightGCN | 10 | 68.8820 | .43194 | .13659 |
| LSTM | 10 | 48.2070 | .93954 | .29711 |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | Leven’s Test for Equality of Variances | | t-test for Equality of Means | | | | | | |
| F | Sig. | t | DF | Sig(2-tailed) | Mean Difference | Std. Error Difference | Lower | Upper |
| Accuracy | Equal Variance  Assumed | 3.730 | .069 | 63.226 | 18 | .000 | 20.67500 | .32700 | 19.98799 | 21.36201 |
| Equal Variance  Not Asuumed |  |  | 63.226 | 12.642 | .000 | 20.67500 | .32700 | 19.96651 | 21.38349 |

