| Batch | Agent1 | Agent2 |
|-------|--------|--------|
| 1 | 7.7 | 8.5 |
| 2 | 9.2 | 9.6 |
| 3 | 6.8 | 6.4 |
| 4 | 9.5 | 9.8 |
| 5 | 8.7 | 9.3 |
| 6 | 6.9 | 7.6 |
| 7 | 7.5 | 8.2 |
| 8 | 7.1 | 7.7 |
| 9 | 8.7 | 9.4 |
| 10 | 9.4 | 8.9 |
| 11 | 9.4 | 9.7 |
| 12 | 8.1 | 9.1 |

t-Test: Paired Two Sample for Means

| | Agent1 | Agent2 |
|---|--------|--------|
| Mean | 8.25 | 8.683333333 |
| Variance | 1.059091 | 1.077878788 |
| Observations | 12 | 12 |
| Pearson Correlation | 0.901056 | |
| Hypothesized Mean Difference | 0 | |
| df | 11 | |
| t Stat | -3.26394 | |
| P(T<=t) one-tail | 0.003773 | |
| t Critical one-tail | 1.795885 | |
| P(T<=t) two-tail | 0.007546 | |
| t Critical two-tail | 2.200985 | |

Difference in Means          -0.43333

t = -3.26 with 11 degrees of freedom
The associated two-tailed p value is p = 0.008 this is below 0.05 so it is statistically significant
According to the mean values Agent2 has a higher average value in comparison to Agent1