

The TTEST Procedure

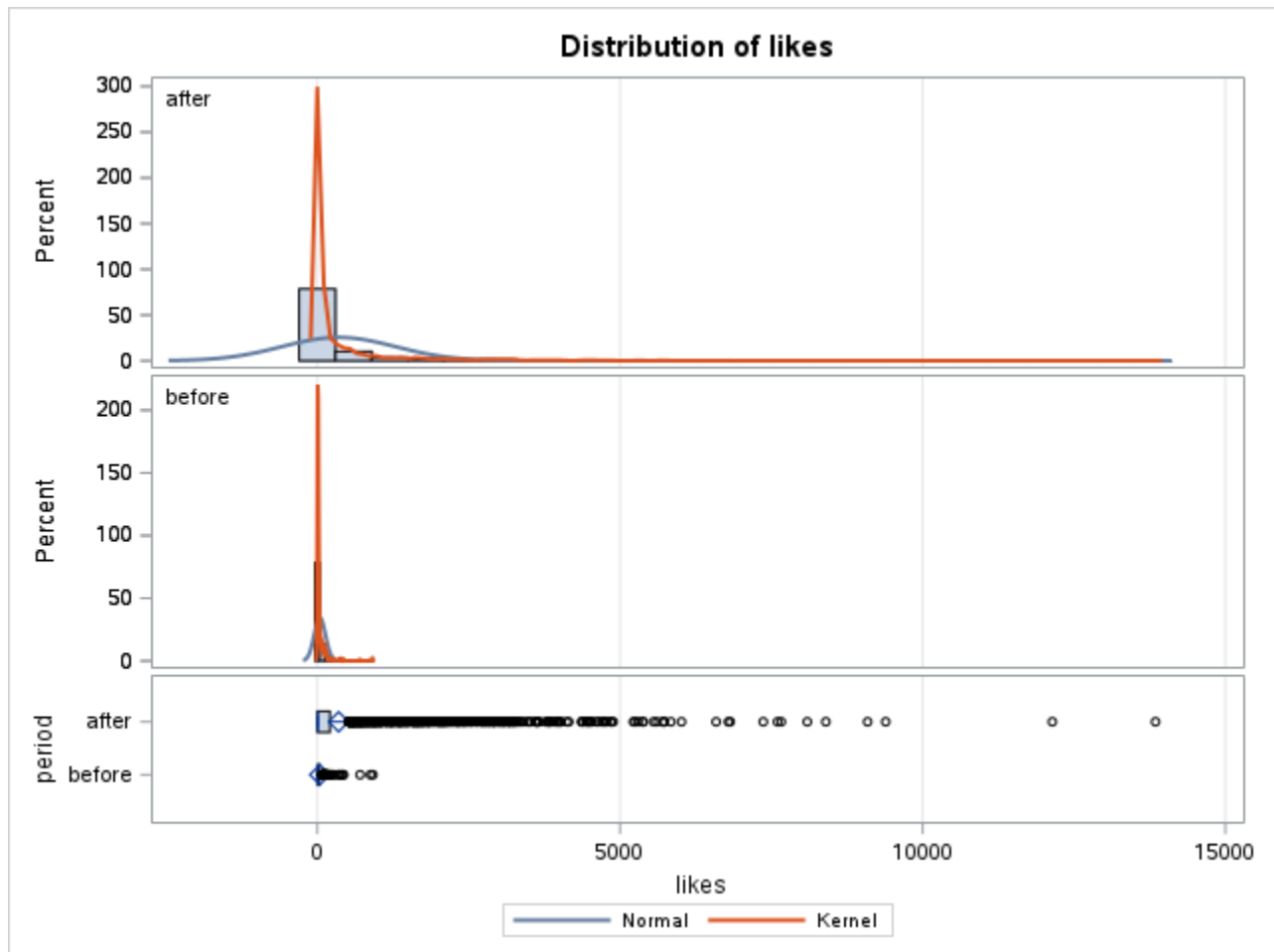
Variable: likes (likes)

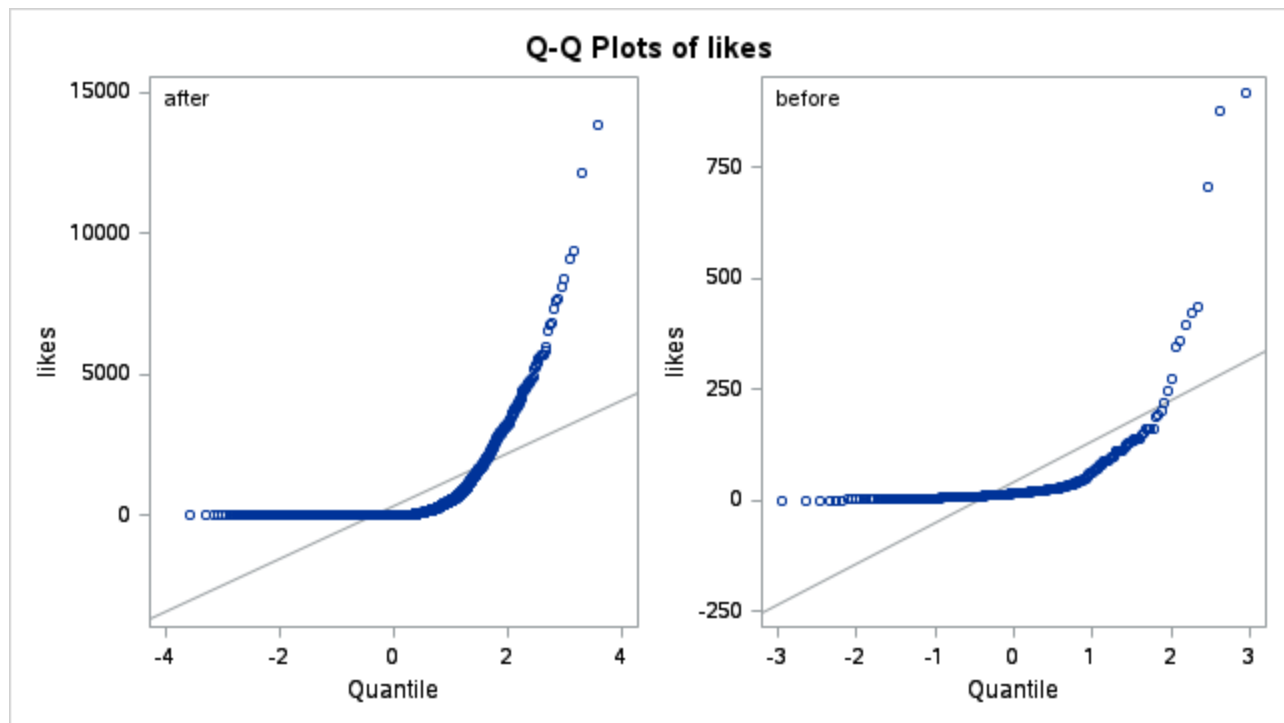
| period     | Method        | N    | Mean    | Std Dev | Std Err | Minimum | Maximum |
|------------|---------------|------|---------|---------|---------|---------|---------|
| after      |               | 3399 | 352.4   | 936.3   | 16.0596 | 0       | 13846.0 |
| before     |               | 379  | 41.8232 | 92.5359 | 4.7533  | 0       | 919.0   |
| Diff (1-2) | Pooled        |      | 310.5   | 888.7   | 48.1258 |         |         |
| Diff (1-2) | Satterthwaite |      | 310.5   |         | 16.7483 |         |         |

| period     | Method        | Mean    | 95% CL Mean |         | Std Dev | 95% CL Std Dev |         |
|------------|---------------|---------|-------------|---------|---------|----------------|---------|
| after      |               | 352.4   | 320.9       | 383.9   | 936.3   | 914.6          | 959.1   |
| before     |               | 41.8232 | 32.4771     | 51.1693 | 92.5359 | 86.3838        | 99.6388 |
| Diff (1-2) | Pooled        | 310.5   | 216.2       | 404.9   | 888.7   | 869.1          | 909.2   |
| Diff (1-2) | Satterthwaite | 310.5   | 277.7       | 343.4   |         |                |         |

| Method        | Variances | DF   | t Value | Pr >  t |
|---------------|-----------|------|---------|---------|
| Pooled        | Equal     | 3776 | 6.45    | <.0001  |
| Satterthwaite | Unequal   | 3760 | 18.54   | <.0001  |

| Equality of Variances |        |        |         |        |
|-----------------------|--------|--------|---------|--------|
| Method                | Num DF | Den DF | F Value | Pr > F |
| Folded F              | 3398   | 378    | 102.38  | <.0001 |





The NPAR1WAY Procedure

| Wilcoxon Scores (Rank Sums) for Variable likes<br>Classified by Variable period |      |               |                   |                  |            |
|---|------|---------------|-------------------|------------------|------------|
| period  | N    | Sum of Scores | Expected Under H0 | Std Dev Under H0 | Mean Score |
| before  | 379  | 743191.0      | 716120.50         | 20113.6266       | 1960.92612 |
| after   | 3399 | 6395340.0     | 6422410.50        | 20113.6266       | 1881.53575 |
| Average scores were used for ties.  |      |               |                   |                  |            |

| Wilcoxon Two-Sample Test                   |        |        |         |                 |         |
|--|--------|--------|---------|-----------------|---------|
| Statistic                                  | Z      | Pr > Z | Pr >  Z | t Approximation |         |
|  |        |        |         | Pr > Z          | Pr >  Z |
| 743191.0                                   | 1.3459 | 0.0892 | 0.1783  | 0.0892          | 0.1784  |
| Z includes a continuity correction of 0.5. |        |        |         |                 |         |

| Kruskal-Wallis Test |    |            |
|---------------------|----|------------|
| Chi-Square          | DF | Pr > ChiSq |
| 1.8114              | 1  | 0.1783     |

