**Oneway**

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| **Notes** |  |  |
| Output Created |  | 16-OCT-2024 11:01:37 |
| Comments |  |  |
| Input | Active Dataset | DataSet4 |
| Filter | <none> |
| Weight | <none> |
| Split File | <none> |
| N of Rows in Working Data File | 100 |
| Missing Value Handling | Definition of Missing | User-defined missing values are treated as missing. |
| Cases Used | Statistics for each analysis are based on cases with no missing data for any variable in the analysis. |
| Syntax |  | ONEWAY DeliveryTime BY CarrierID /ES=OVERALL /MISSING ANALYSIS /CRITERIA=CILEVEL(0.95) /POSTHOC=TUKEY BONFERRONI ALPHA(0.05). |
| Resources | Processor Time | 00:00:00,00 |
| Elapsed Time | 00:00:00,02 |

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| **ANOVA** |  |  |  |  |  |
| DeliveryTime |  |  |  |  |  |
|  | Sum of Squares | df | Mean Square | F | Sig. |
| Between Groups | 8,181 | 2 | 4,090 | 152,568 | <,001 |
| Within Groups | 2,601 | 97 | ,027 |  |  |
| Total | 10,781 | 99 |  |  |  |

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| **ANOVA Effect Sizes**a |  |  |  |  |
|  |  | Point Estimate | 95% Confidence Interval |  |
|  | Lower | Upper |
| DeliveryTime | Eta-squared | ,759 | ,671 | ,809 |
| Epsilon-squared | ,754 | ,664 | ,805 |
| Omega-squared Fixed-effect | ,752 | ,662 | ,803 |
| Omega-squared Random-effect | ,602 | ,495 | ,671 |

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| a. Eta-squared and Epsilon-squared are estimated based on the fixed-effect model. |  |  |  |  |

**Post Hoc Tests**

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| **Multiple Comparisons** |  |  |  |  |  |  |
| Dependent Variable: DeliveryTime |  |  |  |  |  |  |
|  | (I) CarrierID | (J) CarrierID | Mean Difference (I-J) | Std. Error | Sig. | 95% Confidence Interval |
| Lower Bound |
| Tukey HSD | 1 | 2 | -,1230\* | ,0400 | ,008 | -,218 |
| 3 | -,6594\* | ,0400 | <,001 | -,755 |
| 2 | 1 | ,1230\* | ,0400 | ,008 | ,028 |
| 3 | -,5364\* | ,0403 | <,001 | -,632 |
| 3 | 1 | ,6594\* | ,0400 | <,001 | ,564 |
| 2 | ,5364\* | ,0403 | <,001 | ,440 |
| Bonferroni | 1 | 2 | -,1230\* | ,0400 | ,008 | -,220 |
| 3 | -,6594\* | ,0400 | <,001 | -,757 |
| 2 | 1 | ,1230\* | ,0400 | ,008 | ,026 |
| 3 | -,5364\* | ,0403 | <,001 | -,635 |
| 3 | 1 | ,6594\* | ,0400 | <,001 | ,562 |
| 2 | ,5364\* | ,0403 | <,001 | ,438 |

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| **Multiple Comparisons** |  |  |  |
| Dependent Variable: DeliveryTime |  |  |  |
|  | (I) CarrierID | (J) CarrierID | 95% Confidence Interval |
| Upper Bound |
| Tukey HSD | 1 | 2 | -,028 |
| 3 | -,564 |
| 2 | 1 | ,218 |
| 3 | -,440 |
| 3 | 1 | ,755 |
| 2 | ,632 |
| Bonferroni | 1 | 2 | -,026 |
| 3 | -,562 |
| 2 | 1 | ,220 |
| 3 | -,438 |
| 3 | 1 | ,757 |
| 2 | ,635 |

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| \*. The mean difference is significant at the 0.05 level. |  |  |  |

**Homogeneous Subsets**

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| **DeliveryTime** |  |  |  |  |  |
|  | CarrierID | N | Subset for alpha = 0.05 |  |  |
| 1 | 2 | 3 |
| Tukey HSDa,b | 1 | 34 | 5,059 |  |  |
| 2 | 33 |  | 5,182 |  |
| 3 | 33 |  |  | 5,718 |
| Sig. |  | 1,000 | 1,000 | 1,000 |

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| Means for groups in homogeneous subsets are displayed. |  |  |  |  |  |
| a. Uses Harmonic Mean Sample Size = 33,327. |  |  |  |  |  |
| b. The group sizes are unequal. The harmonic mean of the group sizes is used. Type I error levels are not guaranteed. |  |  |  |  |  |