|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Ranks** | | | | |
|  | | N | Mean Rank | Sum of Ranks |
| After - Before | Negative Ranks | 39a | 42.36 | 1652.00 |
| Positive Ranks | 41b | 38.73 | 1588.00 |
| Ties | 0c |  |  |
| Total | 80 |  |  |
| a. After < Before | | | | |
| b. After > Before | | | | |
| c. After = Before | | | | |

|  |  |
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| **Test Statisticsa** | |
|  | After - Before |
| Z | -.153b |
| Asymp. Sig. (2-tailed) | .878 |
| a. Wilcoxon Signed Ranks Test | |
| b. Based on positive ranks. | |

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| **Ranks** | | | | |
|  | | N | Mean Rank | Sum of Ranks |
| CAR After - CAR Before | Negative Ranks | 39a | 42.36 | 1652.00 |
| Positive Ranks | 41b | 38.73 | 1588.00 |
| Ties | 0c |  |  |
| Total | 80 |  |  |
| TVA After - TVA Before | Negative Ranks | 5d | 3.00 | 15.00 |
| Positive Ranks | 0e | .00 | .00 |
| Ties | 75f |  |  |
| Total | 80 |  |  |
| BAS After - BAS Before | Negative Ranks | 64g | 39.84 | 2549.50 |
| Positive Ranks | 13h | 34.88 | 453.50 |
| Ties | 3i |  |  |
| Total | 80 |  |  |
| a. CAR After < CAR Before | | | | |
| b. CAR After > CAR Before | | | | |
| c. CAR After = CAR Before | | | | |
| d. TVA After < TVA Before | | | | |
| e. TVA After > TVA Before | | | | |
| f. TVA After = TVA Before | | | | |
| g. BAS After < BAS Before | | | | |
| h. BAS After > BAS Before | | | | |
| i. BAS After = BAS Before | | | | |

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| **Test Statisticsa** | | | |
|  | CAR After - CAR Before | TVA After - TVA Before | BAS After - BAS Before |
| Z | -.153b | -2.023b | -5.322b |
| Asymp. Sig. (2-tailed) | .878 | .043 | .000 |
| a. Wilcoxon Signed Ranks Test | | | |
| b. Based on positive ranks. | | | |