

|                  |           |    |   |
|------------------|-----------|----|---|
| paste from pivot | clear all | n  | p |
|                  |           | 28 | 4 |

|             |       |
|-------------|-------|
| Transformer | T_row |
|             | 2     |

5a

|       |       |              |       |              |         |
|-------|-------|--------------|-------|--------------|---------|
| T²    | alpha | T² Crit.Val. | F     | F Crit. Val. | p-value |
| 0.417 | 0.05  | 6.997        | 0.201 | 3.369        | 0.8194  |

increased!

|           |    |    |     |    |
|-----------|----|----|-----|----|
| Select y→ | y  | y  | y   | y  |
| Header→   | N  | E  | S   | W  |
| Body→     | 72 | 66 | 76  | 77 |
|           | 60 | 53 | 66  | 63 |
|           | 56 | 57 | 64  | 58 |
|           | 41 | 29 | 36  | 38 |
|           | 32 | 32 | 35  | 36 |
|           | 30 | 35 | 34  | 26 |
|           | 39 | 39 | 31  | 27 |
|           | 42 | 43 | 31  | 25 |
|           | 37 | 40 | 31  | 25 |
|           | 33 | 29 | 27  | 36 |
|           | 32 | 30 | 34  | 28 |
|           | 63 | 45 | 74  | 63 |
|           | 54 | 46 | 60  | 52 |
|           | 47 | 51 | 52  | 45 |
|           | 91 | 79 | 100 | 75 |
|           | 56 | 68 | 47  | 50 |
|           | 79 | 65 | 70  | 61 |
|           | 81 | 80 | 68  | 58 |
|           | 78 | 55 | 67  | 60 |
|           | 46 | 38 | 37  | 38 |
|           | 39 | 35 | 34  | 37 |
|           | 32 | 30 | 30  | 32 |
|           | 60 | 50 | 67  | 54 |
|           | 35 | 37 | 48  | 39 |
|           | 39 | 36 | 39  | 31 |
|           | 50 | 34 | 37  | 40 |
|           | 43 | 37 | 39  | 50 |
|           | 48 | 54 | 57  | 43 |

|     |     |
|-----|-----|
| Ty1 | Ty2 |
| -4  | -11 |
| -6  | -10 |
| -8  | -1  |
| 5   | -9  |
| -3  | -4  |
| -4  | 9   |
| 8   | 12  |
| 11  | 18  |
| 6   | 15  |
| 6   | -7  |
| -2  | 2   |
| -11 | -18 |
| -6  | -6  |
| -5  | 6   |
| -9  | 4   |
| 9   | 18  |
| 9   | 4   |
| 13  | 22  |
| 11  | -5  |
| 9   | 0   |
| 5   | -2  |
| 2   | -2  |
| -7  | -4  |
| -13 | -2  |
| 0   | 5   |
| 13  | -6  |
| 4   | -13 |
| -9  | 11  |

|                |          |           |
|----------------|----------|-----------|
| T_Mean         | Ty1      | Ty2       |
| Sample         | 0.857143 | 0.928571  |
| Hypothesized   | 0        | 0         |
| Bonfer.S.Cl Lo | -2.71805 | -3.607854 |
| Bonfer.S.Cl Up | 4.432336 | 5.464997  |
| Scheff.S.Cl Lo | -3.12748 | -4.127363 |
| Scheff.S.Cl Up | 4.841765 | 5.984506  |
| T_Cov          | Ty1      | Ty2       |
| Ty1            | 63.53439 | 28.39683  |
| Ty2            | 28.39683 | 102.291   |

|                    |   |   |   |   |
|--------------------|---|---|---|---|
| New Mean (H0: mu=) | N | E | S | W |
|                    | 0 | 0 | 0 | 0 |

|             |   |   |    |    |
|-------------|---|---|----|----|
| Transformer | N | E | S  | W  |
|             | 1 | 0 | -1 | 0  |
|             | 0 | 1 | 0  | -1 |
|             | 0 | 0 | 1  | 0  |
|             | 0 | 0 | 0  | 1  |

5b