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| **Alternate Hypothesis** |  | | | | | | | | | | |
| **Null Hypothesis** |  | | | | | | | | | | |
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| **Rank** |  |  |  |  |  |  |  |  |  |  |  |
| **Group 1 values** |  |  |  |  |  |  |  |  |  |  |  |
| **Group 2 values** |  |  |  |  |  |  |  |  |  |  |  |
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| **n for smaller group** | | |  |  |  |  |  |  |  |  |  |
| **n for larger group** | | |  |  |  |  |  |  |  |  |  |
| **Which group has lower expected values?** | | |  |  |  |  |  |  |  |  |  |
| **Critical rank sum for α=0.05** | | |  |  |  |  |  |  |  |  |  |
| **Rank sum for group with lower expected values** | | |  |  |  |  |  |  |  |  |  |

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| **Alternate Hypothesis** |  | | | | | | | | | | |
| **Null Hypothesis** |  | | | | | | | | | | |
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| **Rank** |  |  |  |  |  |  |  |  |  |  |  |
| **Group 1 values** |  |  |  |  |  |  |  |  |  |  |  |
| **Group 2 values** |  |  |  |  |  |  |  |  |  |  |  |
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| **n for smaller group** | | |  |  |  |  |  |  |  |  |  |
| **n for larger group** | | |  |  |  |  |  |  |  |  |  |
| **Which group has lower expected values?** | | |  |  |  |  |  |  |  |  |  |
| **Critical rank sum for α=0.05** | | |  |  |  |  |  |  |  |  |  |
| **Rank sum for group with lower expected values** | | |  |  |  |  |  |  |  |  |  |

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| **Alternate Hypothesis** |  | | | | | | | | | | |
| **Null Hypothesis** |  | | | | | | | | | | |
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| **Rank** |  |  |  |  |  |  |  |  |  |  |  |
| **Group 1 values** |  |  |  |  |  |  |  |  |  |  |  |
| **Group 2 values** |  |  |  |  |  |  |  |  |  |  |  |
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| **n for smaller group** | | |  |  |  |  |  |  |  |  |  |
| **n for larger group** | | |  |  |  |  |  |  |  |  |  |
| **Which group has lower expected values?** | | |  |  |  |  |  |  |  |  |  |
| **Critical rank sum for α=0.05** | | |  |  |  |  |  |  |  |  |  |
| **Rank sum for group with lower expected values** | | |  |  |  |  |  |  |  |  |  |

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| **Alternate Hypothesis** |  | | | | | | | | | | |
| **Null Hypothesis** |  | | | | | | | | | | |
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| **Rank** |  |  |  |  |  |  |  |  |  |  |  |
| **Group 1 values** |  |  |  |  |  |  |  |  |  |  |  |
| **Group 2 values** |  |  |  |  |  |  |  |  |  |  |  |
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| **n for smaller group** | | |  |  |  |  |  |  |  |  |  |
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| **Which group has lower expected values?** | | |  |  |  |  |  |  |  |  |  |
| **Critical rank sum for α=0.05** | | |  |  |  |  |  |  |  |  |  |
| **Rank sum for group with lower expected values** | | |  |  |  |  |  |  |  |  |  |