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| **Table S3.** Adjusted *p*-values for multiple comparisons 1×*N* tests in single-IV case (DE is the control algorithm, *R*p2 evaluation task). | | | | | |
| Algorithm | Test | post-hoc procedure | | | |
| Finner | Holm | Hochberg | Holland |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
| **Table S3** (*continued*) | | | | | |
| Algorithm | Test | post-hoc procedure | | | |
| Finner | Holm | Hochberg | Holland |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |

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| **Table S3.** Adjusted *p*-values for multiple comparisons 1×*N* tests in single-IV case (EBLSHADE is the control algorithm, *R*p2 evaluation task). | | | | | |
| Algorithm | Test | post-hoc procedure | | | |
| Finner | Holm | Hochberg | Holland |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
| **Table S3** (*continued*) | | | | | |
| Algorithm | Test | post-hoc procedure | | | |
| Finner | Holm | Hochberg | Holland |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |

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| **Table S3.** Adjusted *p*-values for multiple comparisons 1×*N* tests in single-IV case (ADELI is the control algorithm, *R*p2 evaluation task). | | | | | |
| Algorithm | Test | post-hoc procedure | | | |
| Finner | Holm | Hochberg | Holland |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
| **Table S3** (*continued*) | | | | | |
| Algorithm | Test | post-hoc procedure | | | |
| Finner | Holm | Hochberg | Holland |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |

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| **Table S3.** Adjusted *p*-values for multiple comparisons 1×*N* tests in single-IV case (NDE is the control algorithm, *R*p2 evaluation task). | | | | | |
| Algorithm | Test | post-hoc procedure | | | |
| Finner | Holm | Hochberg | Holland |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
| **Table S3** (*continued*) | | | | | |
| Algorithm | Test | post-hoc procedure | | | |
| Finner | Holm | Hochberg | Holland |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |

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| **Table S3.** Adjusted *p*-values for multiple comparisons 1×*N* tests in single-IV case (MABC is the control algorithm, *R*p2 evaluation task). | | | | | |
| Algorithm | Test | post-hoc procedure | | | |
| Finner | Holm | Hochberg | Holland |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
| **Table S3** (*continued*) | | | | | |
| Algorithm | Test | post-hoc procedure | | | |
| Finner | Holm | Hochberg | Holland |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |

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| **Table S3.** Adjusted *p*-values for multiple comparisons 1×*N* tests in single-IV case (TLBO is the control algorithm, *R*p2 evaluation task). | | | | | |
| Algorithm | Test | post-hoc procedure | | | |
| Finner | Holm | Hochberg | Holland |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
| **Table S3** (*continued*) | | | | | |
| Algorithm | Test | post-hoc procedure | | | |
| Finner | Holm | Hochberg | Holland |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |

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| **Table S3.** Adjusted *p*-values for multiple comparisons 1×*N* tests in single-IV case (GOTLBO is the control algorithm, *R*p2 evaluation task). | | | | | |
| Algorithm | Test | post-hoc procedure | | | |
| Finner | Holm | Hochberg | Holland |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
| **Table S3** (*continued*) | | | | | |
| Algorithm | Test | post-hoc procedure | | | |
| Finner | Holm | Hochberg | Holland |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |

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| **Table S3.** Adjusted *p*-values for multiple comparisons 1×*N* tests in single-IV case (STLBO is the control algorithm, *R*p2 evaluation task). | | | | | |
| Algorithm | Test | post-hoc procedure | | | |
| Finner | Holm | Hochberg | Holland |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
| **Table S3** (*continued*) | | | | | |
| Algorithm | Test | post-hoc procedure | | | |
| Finner | Holm | Hochberg | Holland |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |

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| **Table S3.** Adjusted *p*-values for multiple comparisons 1×*N* tests in single-IV case (PSO is the control algorithm, *R*p2 evaluation task). | | | | | |
| Algorithm | Test | post-hoc procedure | | | |
| Finner | Holm | Hochberg | Holland |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
| **Table S3** (*continued*) | | | | | |
| Algorithm | Test | post-hoc procedure | | | |
| Finner | Holm | Hochberg | Holland |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |

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| **Table S3.** Adjusted *p*-values for multiple comparisons 1×*N* tests in single-IV case (IJAYA is the control algorithm, *R*p2 evaluation task). | | | | | |
| Algorithm | Test | post-hoc procedure | | | |
| Finner | Holm | Hochberg | Holland |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
| **Table S3** (*continued*) | | | | | |
| Algorithm | Test | post-hoc procedure | | | |
| Finner | Holm | Hochberg | Holland |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |

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| **Table S3.** Adjusted *p*-values for multiple comparisons 1×*N* tests in single-IV case (ISCA is the control algorithm, *R*p2 evaluation task). | | | | | |
| Algorithm | Test | post-hoc procedure | | | |
| Finner | Holm | Hochberg | Holland |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
| **Table S3** (*continued*) | | | | | |
| Algorithm | Test | post-hoc procedure | | | |
| Finner | Holm | Hochberg | Holland |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |

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| **Table S3.** Adjusted *p*-values for multiple comparisons 1×*N* tests in single-IV case (NNA is the control algorithm, *R*p2 evaluation task). | | | | | |
| Algorithm | Test | post-hoc procedure | | | |
| Finner | Holm | Hochberg | Holland |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
| **Table S3** (*continued*) | | | | | |
| Algorithm | Test | post-hoc procedure | | | |
| Finner | Holm | Hochberg | Holland |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |

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| **Table S3.** Adjusted *p*-values for multiple comparisons 1×*N* tests in single-IV case (CWOA is the control algorithm, *R*p2 evaluation task). | | | | | |
| Algorithm | Test | post-hoc procedure | | | |
| Finner | Holm | Hochberg | Holland |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
| **Table S3** (*continued*) | | | | | |
| Algorithm | Test | post-hoc procedure | | | |
| Finner | Holm | Hochberg | Holland |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |

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| **Table S3.** Adjusted *p*-values for multiple comparisons 1×*N* tests in single-IV case (WW is the control algorithm, *R*p2 evaluation task). | | | | | |
| Algorithm | Test | post-hoc procedure | | | |
| Finner | Holm | Hochberg | Holland |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
| **Table S3** (*continued*) | | | | | |
| Algorithm | Test | post-hoc procedure | | | |
| Finner | Holm | Hochberg | Holland |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |
|  | Friedman |  |  |  |  |
|  | Friedman Aligned |  |  |  |  |
|  | Quade |  |  |  |  |