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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Experiment 1 | | | Experiment 2 | | | Experiment 3 | | | Experiment 4 | | | | Experiment 5 | | | |
|  | *F* | *P* | *η2* | *F* | *P* | *η2* | *F* | *P* | *η2* | *F* | *P* | *η2* | *F* | | *P* | *η2* |
| ColorScale | .39 | .535 | .007 | .185 | .669 | .003 | 2.615 | .111 | .043 | 1.241 | .270 | .021 | 3.115 | | .083 | .051 |
| Condition | .06 | .804 | .001 | 1.789 | .186 | .030 | .465 | .498 | .008 | 4.146 | .046 | .067 | .213 | | .646 | .004 |
| Mapping | 29.45 | \*\*\* | .333 | 73.22 | \*\*\* | .558 | 2.917 | .093 | .048 | 18.90 | \*\*\* | .246 | 15.39 | | \*\*\* | .210 |
| LegOrient | 65.06 | \*\*\* | .524 | 17.02 | \*\*\* | .227 | 21.86 | \*\*\* | .274 | 100.1 | \*\*\* | .633 | 44.93 | | \*\*\* | .437 |
| Colorscale\*condition | 1.48 | .229 | .024 | .012 | .912 | .000 | 3.31 | .074 | .054 | 1.618 | .208 | .027 | .073 | | .788 | .001 |
| LegOrient\*Condition | .02 | .884 | .000 | 3.13 | .082 | .051 | 21.86 | \*\*\* | .274 | 2.059 | .157 | .034 | .745 | | .391 | .013 |
| Mapping\*  Condition | 4.43 | .040\* | .070 | .240 | .626 | .004 | 41.50 | \*\*\* | .417 | 21.15 | \*\*\* | .267 | 3.841 | | .055 | .062 |
| Colorscale \*LegOrient | .04 | .845 | .001 | .740 | .393 | .013 | .404 | .528 | .007 | .276 | .601 | .005 | .006 | | .937 | .000 |
| Colorscale\*Mapping | .65 | .425 | .011 | .103 | .749 | .002 | .908 | .345 | .015 | .046 | .831 | .001 | 1.223 | | .273 | .021 |
| LegOrient\*Mapping | .48 | .491 | .008 | .663 | .419 | .011 | .494 | .485 | .008 | 9.798 | .003\*\* | .145 | 4.731 | | .034\* | .075 |
| Colorscale\*LegOrient\*Condition | .20 | .659 | .003 | 1.816 | .183 | .030 | .998 | .322 | .017 | 1.879 | .176 | .031 | .897 | | .348 | .015 |
| Colorscale\*Mapping\*Condition | .12 | .728 | .002 | .755 | .388 | .013 | .012 | .914 | .000 | 2.453 | .123 | .041 | .006 | | .941 | .000 |
| LegOrient\*Mapping\*Condition | 1.58 | .214 | .026 | .420 | .520 | .007 | 3.490 | .067 | .057 | .010 | .920 | .000 | .016 | | .900 | .000 |
| ColorScale\*LegOrient\*Mapping | 9.61 | .003\*\* | .140 | .087 | .770 | .001 | .025 | .875 | .000 | .006 | .938 | .000 | .048 | | .827 | .001 |
| Colorscale\*LegOrient\*Mapping\*Condition | 1.33 | .254 | .022 | 1.651 | .204 | .028 | .149 | .701 | .003 | .015 | .938 | .000 | .001 | | .978 | .000 |

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|  | Experiment 1 | | | | | |
| Congruent (1) | | | Incongruent (0) | | |
| *F* | *P* | *η2* | *F* | *P* | *η2* |
| ColorScale | .277 | .603 | .009 | 1.26 | .260 | .040 |
| Mapping | 27.26 | \*\*\* | .485 | 5.74 | .023\* | .161 |
| LegOrient | 31.77 | \*\*\* | .523 | 33.40 | \*\*\* | .527 |
| Colorscale \*LegOrient | .036 | .851 | .001 | .179 | .675 | .006 |
| Colorscale\*Mapping | .232 | .634 | .008 | .437 | .513 | .014 |
| LegOrient\*Mapping | .265 | .611 | .009 | 1.38 | .249 | .044 |
| ColorScale\*LegOrient\*Mapping | 3.686 | .065 | .113 | 6.22 | .018\* | .172 |

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|  | Experiment 3 | | | | | |
| Congruent (1) | | | Incongruent (0) | | |
| *F* | *P* | *η2* | *F* | *P* | *η2* |
| ColorScale | .041 | .841 | .001 | 3.93 | .057 | .119 |
| Mapping | 36.29 | \*\*\* | .556 | 10.33 | .003\*\* | .263 |
| LegOrient | 6.53 | .016\*\* | .184 | 16.90 | \*\*\* | .368 |
| Colorscale \*LegOrient | 1.28 | .268 | .042 | .069 | .794 | .002 |
| Colorscale\*Mapping | .724 | .402 | .024 | .374 | .546 | .013 |
| LegOrient\*Mapping | .657 | .424 | .022 | 3.42 | .075 | .105 |
| ColorScale\*LegOrient\*Mapping | .275 | .604 | .009 | .018 | .895 | .001 |

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|  | Experiment 4 | | | | | | Experiment 5 | | | | | | |
| Congruent (1) | | | Incongruent (0) | | | Congruent (1) | | | Incongruent (0) | | | |
| *F* | *p* | *η2* | *F* | *P* | *η2* | *F* | *P* | *η2* | | *F* | *p* | *η2* |
| ColorScale | .011 | .915 | .000 | 3.11 | .088 | .097 | 1.34 | .257 | .044 | | 2.49 | .125 | .079 |
| Mapping | 28.89 | \*\*\* | .499 | .051 | .882 | .002 | 11.75 | .002\*\* | .288 | | 3.065 | .066 | .122 |
| LegOrient | 54.34 | \*\*\* | .652 | 49.43 | \*\*\* | .630 | 35.73 | \*\*\* | .552 | | 14.23 | .001\*\* | .329 |
| Colorscale \*LegOrient | 2.06 | .162 | .066 | .316 | .578 | .011 | .521 | .476 | .018 | | .412 | .526 | .014 |
| Colorscale\*Mapping | 1.19 | .284 | .040 | 1.36 | .253 | .045 | 1.02 | .320 | .034 | | .404 | .530 | .014 |
| LegOrient\*Mapping | 3.62 | .067 | .111 | 7.12 | .012\*\* | .197 | 1.77 | .194 | .058 | | 3.25 | .082 | .101 |
| ColorScale\*LegOrient\*Mapping | .013 | .908 | .000 | .002 | .965 | .000 | .046 | .832 | .002 | | .019 | .891 | .001 |

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|  | Experiment 1 | | | | | |
| Color Brewer Blue | | | Hot | | |
| *F* | *P* | *η2* | *F* | *P* | *η2* |
| Condition | .118 | .732 | .002 | .022 | .882 | .000 |
| Mapping | 20.38 | \*\*\* | .257 | 18.28 | \*\*\* | .237 |
| LegOrient | 46.04 | \*\*\* | .438 | 53.33 | \*\*\* | .475 |
| LegOrient\*Condition | .008 | .931 | .000 | .124 | .726 | .002 |
| Mapping\*  Condition | 1.93 | .170 | .032 | 4.33 | .042\* | .068 |
| LegOrient\*Mapping | 4.88 | .031\* | .076 | 1.68 | .200 | .028 |
| LegOrient\*Mapping\*Condition | 2.53 | .117 | .041 | .155 | .695 | .003 |

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|  | Experiment 4 | | | | | | Experiment 5 | | | | | |
| More concept high | | | More concept low | | | More concept high | | | More concept low | | |
| *F* | *P* | *η2* | *F* | *P* | *η2* | *F* | *P* | *η2* | *F* | *P* | *η2* |
| ColorScale | .272 | .604 | .005 | 1.51 | .225 | .025 | 1.17 | .284 | .020 | 1.53 | .221 | .026 |
| Condition | 4.84 | .032\* | .077 | 3.38 | .071 | .055 | .304 | .584 | .005 | .125 | .725 | .002 |
| Mapping | 21.97 | \*\*\* | .275 | 3.317 | .074 | .054 | 20.34 | \*\*\* | .260 | 1.11 | .297 | .019 |
| Colorscale\*condition | 3.27 | .076 | .053 | .016 | .899 | .000 | .243 | .624 | .004 | 1.05 | .309 | .018 |
| Mapping\*  Condition | 9.78 | .003\*\* | .144 | 19.66 | \*\*\* | .253 | 1.75 | .192 | .029 | 1.87 | .177 | .031 |
| Colorscale\*Mapping | .013 | .911 | .000 | .043 | .836 | .001 | .564 | .456 | .010 | .143 | .707 | .002 |
| Colorscale\*Mapping\*Condition | 1.28 | .263 | .022 | 1.51 | .224 | .025 | .000 | .988 | .000 | .004 | .951 | .000 |