

May21

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1 Tables

1.1 Table for all stimuli

1.1.1 R^2 table

| | Dataset1 | | | Dataset2 | | | Dataset3 | | | Dataset4 | | |
|-------------|----------|------|------|----------|------|------|----------|------|------|----------|------|------|
| | V1 | V2 | V3 | V1 | V2 | V3 | V1 | V2 | V3 | V1 | V2 | V3 |
| contrast | 0.35 | 0.23 | 0.20 | 0.67 | 0.49 | 0.33 | 0.46 | 0.18 | 0.17 | 0.51 | 0.08 | 0.10 |
| normVar | 0.56 | 0.54 | 0.56 | 0.73 | 0.61 | 0.48 | 0.56 | 0.60 | 0.53 | 0.55 | 0.61 | 0.56 |
| SOC | 0.33 | 0.24 | 0.27 | 0.68 | 0.53 | 0.48 | 0.46 | 0.25 | 0.27 | 0.54 | 0.13 | 0.17 |
| OriSurround | 0.57 | 0.42 | 0.35 | 0.73 | 0.57 | 0.34 | 0.62 | 0.34 | 0.29 | 0.62 | 0.22 | 0.24 |

1.1.2 RMSE table

| | Dataset1 | | | Dataset2 | | | Dataset3 | | | Dataset4 | | |
|-------------|----------|------|------|----------|------|------|----------|------|------|----------|------|------|
| | V1 | V2 | V3 | V1 | V2 | V3 | V1 | V2 | V3 | V1 | V2 | V3 |
| contrast | .209 | .256 | .243 | .240 | .178 | .201 | .392 | .408 | .403 | .482 | .589 | .699 |
| normVar | .172 | .198 | .181 | .218 | .155 | .177 | .353 | .283 | .303 | .465 | .384 | .490 |
| SOC | .214 | .255 | .234 | .238 | .170 | .177 | .389 | .389 | .380 | .468 | .573 | .668 |
| OriSurround | .168 | .222 | .221 | .218 | .163 | .200 | .329 | .366 | .373 | .424 | .544 | .655 |

1.1.3 Parameter table

| | Dataset1 | | | Dataset2 | | | Dataset3 | | | Dataset4 | | |
|----------|----------|-------|-------|--------------|-------|-------|----------|-------|-------|----------|-------|-------|
| | V1 | V2 | V3 | V1 | V2 | V3 | V1 | V2 | V3 | V1 | V2 | V3 |
| Contrast | | | | | | | | | | | | |
| <i>g</i> | 1.764 | 1.42 | 1.38 | 3.857 | 1.93 | 1.62 | 1.84 | 1.50 | 1.533 | 2.44 | 1.39 | 1.76 |
| <i>n</i> | 0.438 | 0.224 | 0.171 | 0.301 | 0.239 | 0.186 | 0.209 | 0.092 | 0.086 | 0.231 | 0.09 | 0.09 |
| NormVar | | | | | | | | | | | | |
| <i>w</i> | 117 | 191 | 197 | 38.9 | 50.1 | 79.4 | 30.2 | 201 | 262 | 17.9 | 352 | 326 |
| <i>g</i> | 6.17 | 4.45 | 3.81 | 5.54 | 2.91 | 2.57 | 4.01 | 5.61 | 5.34 | 4.53 | 14.8 | 14.2 |
| <i>n</i> | 0.344 | 0.219 | 0.182 | 0.196 | 0.168 | 0.143 | 0.198 | 0.172 | 0.155 | 0.197 | 0.264 | 0.240 |
| SOC | | | | | | | | | | | | |
| <i>c</i> | 19.6 | 1.16 | 1.16 | 0.000 349 | 1.12 | 2.72 | 2.72 | 2.72 | 2.72 | 2.72 | 2.72 | 2.72 |
| <i>g</i> | 0.467 | 1.55 | 1.65 | 3.44 | 2.04 | 6.64 | 9.13 | 5.61 | 5.91 | 23.4 | 5.05 | 8.37 |
| <i>n</i> | 0.223 | 0.136 | 0.121 | 0.162 | 0.135 | 1.13 | 1.13 | 1.065 | 1.064 | 1.15 | 1.07 | 1.074 |
| Ori | | | | | | | | | | | | |
| Surround | | | | | | | | | | | | |
| <i>w</i> | 59.9 | 75.8 | 51.1 | 28.3 | 38.5 | 12.5 | 23.7 | 33.1 | 29.9 | 16.0 | 51.2 | 30.6 |
| <i>g</i> | 75.6 | 16.1 | 5.85 | 19.2 | 9.81 | 2.72 | 13.2 | 4.69 | 3.86 | 12.6 | 7.91 | 6.13 |
| <i>n</i> | 0.998 | 0.59 | 0.392 | 0.578 | 0.513 | 0.280 | 0.584 | 0.301 | .255 | 0.551 | 0.403 | 0.328 |

1.2 Table for target stimuli

1.2.1 R^2 table

| | Dataset1 | | | Dataset2 | | | Dataset3 | | | Dataset4 | | |
|-------------|----------|------|------|----------|------|------|----------|------|------|----------|------|------|
| | V1 | V2 | V3 | V1 | V2 | V3 | V1 | V2 | V3 | V1 | V2 | V3 |
| contrast | 0.16 | 0.06 | 0.08 | 0.39 | 0.16 | 0.00 | 0.27 | 0.07 | 0.04 | 0.49 | 0.22 | 0.10 |
| normVar | 0.87 | 0.85 | 0.93 | 0.84 | 0.88 | 0.84 | 0.75 | 0.79 | 0.74 | 0.72 | 0.72 | 0.82 |
| SOC | 0.56 | 0.67 | 0.81 | 0.88 | 0.88 | 0.86 | 0.27 | 0.15 | 0.10 | 0.47 | 0.20 | 0.09 |
| OriSurround | 0.54 | 0.36 | 0.43 | 0.54 | 0.33 | 0.01 | 0.74 | 0.45 | 0.34 | 0.89 | 0.69 | 0.51 |