| Model | Choice set size | $$γ$$ | $$ζ$$ | $$v$$ | $$σ$$ |
| --- | --- | --- | --- | --- | --- |
| *IAM+* | *9*  | 0.013 | 0.23 | 1.8e-4 | 0.010 |
| *IAM+* | *16*  | 0.005 | 0.20 | 1.7e-4 | 0.011 |
| *IAM+* | *25*  | 0.016 | 0.32 | 1.6e-4 | 0.011 |
| *IAM+* | *36*  | 0.023 | 0.31 | 1.8e-4 | 0.013 |
| *IAM* | *9*  |  |  | 1.9e-5 | 0.014 |
| *IAM* | *16*  |  |  | 1.1e-5 | 0.016 |
| *IAM* | *25*  |  |  | 1.1e-5 | 0.016 |
| *IAM* | *36*  |  |  | 9.0e-6 | 0.019 |

**Supplementary materials 6.** Mean parameter estimates of the independent evidence accumulation model with active (IAM+) and passive (IAM) account of gaze in the decision process for each choice set size. The independent evidence accumulation model has four parameters, determining its additive ($ζ$) and multiplicative ($γ$) gaze bias effects and its general accumulation speed ($v$) and noise ($σ$).