

On the Relationship of Complexity Metrics With Cognitive Load and Visual Behavior: A Multi-Granular Eye-Tracking Analysis

Appendix: Measures (metrics applied to models)

Essential complexity

Models \ Symboles	Size Size (↘)	Diameter Diam (↘)	Average Conn. Avg d _c (↘)	Max Connector Max d _c (↘)	Coeff. Conn. Coeff. Conn. (↘)	Separability Π (↗)	Sequentiality Ξ (↗)	Depth Λ (↘)	Structuredness Φ (↗)	Conn. Hetero. CH (↘)	C. F. Complex. CFC (↘)	Cyclicity CYC (↘)	Token Split TS (↘)
model_g3, Simple	23.0000	23.0000	3.0000	3.0000	1.1304	0.5714	0.0769	1.0000	1.0000	0.8113	7.0000	0.1739	1.0000
model_g2, Complex	88.0000	68.0000	3.2500	5.0000	1.2727	0.0698	0.0625	5.0000	0.8523	0.8587	38.0000	0.9545	15.0000

Abbreviations
Average Conn. Average Connector
Coeff. Conn. Coefficient Connectivity
Conn. Hetero. Connector Heterogeneity
C.F. Complex. Control Flow Complexity

Accidental complexity

Models \ Symboles	%simpleEdges %sE (↗)	%brokenEdges %bE (↘)	%totalCross %tC (↘)	%orthogonalSegme %oS (↗)	%symmetricalPatte %sP (↗)	Consistency flow M-BP (↗)
model_g3, Simple	0.6154	0.3846	0.0000	1.0000	1.0000	0.8235
model_g5, Complex	0.5385	0.4615	0.0698	0.8605	0.0000	0.7059