Critical Design Strategy ( Name design Summarise essence			First impression (circle 5 words)	clear clever complex useless useful	confusing reliable organised average fair	sensible pointless moderate bad vague		s te	indifferent indistinctive spectacular fulfilling beautiful		
Date					Di	sagro		0		Agree 2	
User	1 2 3 4 5	Is suitable for the user Is understandable for u It doesn't require guess Is trustworthy Would be useful	iser and task to ha	and		0 0 0 0	0 0 0 0	00000	1 0 0 0 0 0	0 0 0 0	
Environment	6 7 8 9 10	It would fit in with other Uses suitable technolo Has appropriate interact Its sizing is correct Gives a positive ambie	gy ction			00000	0 0 0 0 0	0000	0 0 0 0	0 0 0 0	
Interface	11 12 13 14 15	Suitable user interface Ergonomic interface Facets are sized suitable Interface suitably space Suitable quantity of interface	ed			00000	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	
Components	16 17 18 19 20	Has all necessary com Has all suitable output/ Clear relationships beto Task can be easily perf Suitable organisation of	view types ween parts formed			00000	0 0 0 0	00000	0 0 0 0	0 0 0 0	
Design	21 22 23 24 25	Inspiring design Aesthetic and visually a Good composition and Suitable coverage of da Clear instructions, labe	space utilisation ata/underpinning		epts	00000	0 0 0 0	0 0 0 0 0	0 0 0 0	0 0 0 0	
Visual Marks	26 27 28 29 30	Right choice of channe Communicates approp The types of marks use Components are show Nothing is hidden that	riate relationships ed, communicate n at the right level	:/morphisms things well I of abstract	5	00000	00000	0 0 0 0	0 0 0 0	0 0 0 0	
Reflection: first impression, individual categories			:	;	Sum values [	Tota	al	<u></u>	<u> </u>		
Average	_	5 -40 -35 -30 -25 -20	<del>                                     </del>	5 10 15	20 25 30	+	+	45	50	55 60	
7.vorago -2 -1.83	-1.66 -1	.5 -1.33 -1.16 -1 -0.83 -0.66	-0.5 -0.33 -0.16 0 0	0.16 0.33 0.5	0.66 0.83 1	1.1	6 1.33	1.5	1.66	1.83 2	

Supplemental material. "Critical Design Strategy: a Method for Heuristically Evaluating Visualisation Designs - Short Sheet Version". Jonathan C. Roberts, Hanan Alnjar, Aron E. Owen and Panagiotis D. Ritsos. IEEE TVCG, Jan 2026.

Good design

Poor design