



Supplemental Material for the CHI 2022 Publication:

Weizhou Luo, Anke Lehmann, Hjalmar Widengren, and Raimund Dachsel. 2022. Where Should We Put It? Layout and Placement Strategies of Documents in Augmented Reality for Collaborative Sensemaking. In CHI Conference on Human Factors in Computing Systems (CHI '22), April 29-May 5, 2022, New Orleans, LA, USA. ACM, New York, NY, USA, 16 pages <https://doi.org/10.1145/3491102.35019>


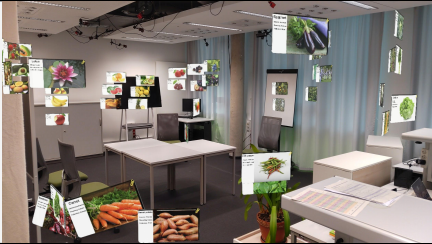



Observed Patterns of Layout and Placement Strategies



(Material presented in this PDF is also available on the project's website: <https://imld.de/ARideas>)






			Conditions		Dataset	Pattern		
Session (ID)	Participant	Thumbnail	Physical Surrounding	Collaboration	Dataset	Final Layout	Between-cluster Grouping	Within-cluster Grouping
S01-F1A	P1		fully-furnished	individual	animals	furniture-anchored cylindrical	distance-only separation	stack
S02-F2P	P1, P2		fully-furnished	collaborative	plants	cylindrical	column-separated	poker stack

S03-F1A	P2		fully-furnished	individual	animals	furniture-anchored cylindrical	column & furniture	poker stack
S04-F1P	P3		fully-furnished	individual	plants	others	distance-only separation	stack
S05-F2A	P3, P4		fully-furnished	collaborative	animals	horizontal surface furniture-based	furniture-separated	poker stack
S06-F1P	P4		fully-furnished	individual	plants	furniture-aligned cylindrical	column-separated	collage
S07-F1A	P5		fully-furnished	individual	animals	vertical surface furniture-based	furniture & grid	grid


S08-F2P	P5, P6		fully-furnished	collaborative	plants	vertical surface furniture-based	column & furniture	poker stack
S09-F1A	P6		fully-furnished	individual	animals	omni-furniture-based	furniture & grid	collage
S10-F1P	P7		fully-furnished	individual	plants	cylindrical	column-separated	column-based
S11-F2A	P7, P8		fully-furnished	collaborative	animals	cylindrical	column-separated	column-based
S12-F1P	P8		fully-furnished	individual	plants	cylindrical	distance-only separation	arbitrary






S13-F1A	P9		fully-furnished	individual	animals	furniture-anchored cylindrical	column & furniture	column-based & orientation
S14-F2P	P9, P10		fully-furnished	collaborative	plants	vertical surface furniture-based	column & furniture	column-based
S15-F1A	P10		fully-furnished	individual	animals	furniture-aligned cylindrical	furniture & mixture	poker stack
S16-S1P	P11		side-furnished	individual	plants	canvas-centered	column-separated	row-based
S17-S2A	P11, P12		side-furnished	collaborative	animals	grid-like	grid-separated	stack

S18-S1P	P12		side-furnished	individual	plants	grid-like	grid-separated	stack
S19-S1A	P13		side-furnished	individual	animals	vertical surface furniture-based	column & furniture	column-based
S20-S2P	P13, P14		side-furnished	collaborative	plants	vertical surface furniture-based	column & furniture	column-based
S21-S1A	P14		side-furnished	individual	animals	canvas-centered	column-separated	poker stack
S22-S1P	P15		side-furnished	individual	plants	vertical surface furniture-based	furniture-separated	arbitrary

S23-S2A	P15, P16		side-furnished	collaborative	animals	vertical surface furniture-based	furniture & mixture	column-based & grid
S24-S1P	P16		side-furnished	individual	plants	furniture-based cylindrical	column & furniture	column-based
S25-S1A	P17		side-furnished	individual	animals	omni-furniture-based	furniture-separated	arbitrary
S26-S2P	P17, P18		side-furnished	collaborative	plants	omni-furniture-based	furniture-separated	arbitrary
S27-S1A	P18		side-furnished	individual	animals	canvas-centered	grid-separated	grid

S28-S1P	P19		side-furnished	individual	plants	furniture-anchored cylindrical	column-separated	collage
S29-S2A	P19, P20		side-furnished	collaborative	animals	furniture-anchored cylindrical	grid-separated	column-based & grid
S30-S1P	P20		side-furnished	individual	plants	cylindrical	grid-separated	grid
S31-F1P	P21		fully-furnished	individual	plants	omni-furniture-based	furniture & mixture	row-based
S32-F2A	P21, P22		fully-furnished	collaborative	animals	omni-furniture-based	furniture-separated	column-based

S33-F1P	P22		fully-furnished	individual	plants	vertical surface furniture-based	furniture-separated	column-based & grid
S34-S1A	P23		side-furnished	individual	animals	others	distance-only separation	stack
S35-S2P	P23, P24		side-furnished	collaborative	plants	grid-like	grid-separated	stack
S36-S1A	P24		side-furnished	individual	animals	grid-like	grid-separated	stack
S37-F1A	P25		fully-furnished	individual	animals	horizontal surface furniture-based	furniture-separated	stack

S38-F2P	P25, P26		fully-furnished	collaborative	plants	horizontal surface furniture-based	furniture-separated	arbitrary
S39-F1A	P26		fully-furnished	individual	animals	cylindrical	distance-only separation	collage
S40-S1P	P27		side-furnished	individual	plants	others	distance-only separation	arbitrary
S41-S2A	P27, P28		side-furnished	collaborative	animals	cylindrical	grid-separated	column-based
S42-S1P	P28		side-furnished	individual	plants	cylindrical	column-separated	grid