Appendix 4. Evaluation of the combined application of static and dynamic visual variables, sound variables and related methods of presentation for users of different age groups

Number of static visual variables		Number of static and dynamic variables	Dynamized variables	Entities and levels	Combinations of variables	Methods of presentation	Age groups
dynamized variables	other variables						
1	4	10	1 2 3 4	αb	1 (I, **II**, **III**, IV, **V**, VII) 2 3 4; ④⑥⑧⑨	Sαb, *Kαb*, Kdαb	[1] [2] [3] [4] [5] [6] {7}
1	4	10	1 2 3 4	αc	1 (I, **II**, **III**, IV, **V**, VII) 2 3 4; ④⑥⑧⑨	*Kc*, Sαc, *Kαc (cs)*, Kdαc (cs)	[1] [2] [3] [4] [5] [6] {7}
1	4	10	1 2 3 4	βb	1 (I, **II**, **III**, IV, **V**, VII) 2 3 4; ④⑥⑧⑨	Sβb, Kβb, Kdβb	[1] [2] [3] [4] [5] [6] {7}
1	4	10	1 2 3 4	βc	1 (I, **II**, **III**, IV, **V**, VII) 2 3 4; ④⑥⑧⑨	Ic, Sβc, Kβc (cs), Kdβc (cs)	[1] [2] [3] [4] [5] [6] {7}
1	4	10	1 2 3 4	γb	1 (I, **II**, **III**, IV, **V**, VII) 2 3 4; ④⑥⑧⑨	Kγc(cs), *KαBc*, KDγb	[2] [3] [4] [5] [6] {7}
1	4	10	1 2 3 4	γc	1 (I, **II**, **III**, IV, **V**, VII) 2 3 4; ④⑥⑧⑨	*KαBc*, Kγc(cs), KDγC(cs)	[2] [3] [4] [5] [6] {7}
1	4	10	1 2 3 4	αa	1 2 (I, **II**, **III**, IV, **V**, VII) 3 4; ⑦⑥⑧⑨	Sαc	[1] [2] [3] [4] [5] [6] {7}
1	4	10	1 2 3 4	γa	1 2 (I, **II**, **III**, IV, **V**, VII) 3 4; ⑦⑥⑧⑨	MCa, MZa	[1] [2] [3] [4] [5] [6] {7}
1	4	10	1 2 3 4	αb	1 2 3 (I, **II**, **III**, IV, **V**, VII) 4; ②③⑥⑧⑨	Sαb, *Kαb*, Kdαb	[2] [3] [4] [5] [6] {7}
1	4	10	1 2 3 4	αc	1 2 3 (I, **II**, **III**, IV, **V**, VII) 4; ②③⑥⑧⑨	*Kc*, Sαc, *Kαc (cs)*, Kdαc (cs)	[1] [2] [3] [4] [5] [6] {7}
1	4	10	1 2 3 4	βb	1 2 3 (I, **II**, **III**, IV, **V**, VII) 4; ②③⑥⑧⑨	Sβb, Kβb, Kdβb	[1] [2] [3] [4] [5] [6] {7}
1	4	10	1 2 3 4	βc	1 2 3 (I, **II**, **III**, IV, **V**, VII) 4; ②③⑥⑧⑨	Ic, Sβc, Kβc (cs), Kdβc (cs)	[1] [2] [3] [4] [5] [6] {7}
1	4	10	1 2 3 4	γb	1 2 3 (I, **II**, **III**, IV, **V**, VII) 4; ②③⑥⑧⑨	Kγc(cs), *KαBc*, KDγb	[2] [3] [4] [5] [6] {7}
1	4	10	1 2 3 4	γc	1 2 3 (I, **II**, **III**, IV, **V**, VII) 4; ②③⑥⑧⑨	*KαBc*, Kγ c(cs), KDγC(cs)	[2] [3] [4] [5] [6] {7}
1	4	10	1 2 3 4	αa	1 2 3 4 (I, **II**, **III**, IV, **V**, VII); ⑤⑥⑧⑨	Sαc	[1] [2] [3] [4] [5] [6] {7}
1	4	10	1 2 3 4	βa	1 2 3 4 (I, **II**, **III**, IV, **V**, VII) ; ⑤⑥⑧⑨	Sβa, MZa	[1] [2] [3] [4] [5] [6] {7}
1	4	10	1 2 3 4	γa	1 2 3 4 (I, **II**, **III**, IV, **V**, VII) ; ⑤⑥⑧⑨	MCA, MZa	[1] [2] [3] [4] [5] [6] {7}
1	5	11	1 2 3 4 5	βa	1 2 3 4 5 (I, **II**, **III**, IV, **V**, VII)	Sβa, MZa	[1] [2] [3] [4] [5] [6] {7}
1	5	11	1 2 3 4 5	βb	1 2 3 4 5 (I, **II**, **III**, IV, **V**, VII)	Sβb, Kβb, Kdβb	[1] [2] [3] [4] [5] [6] {7}

1	5	11	1 2 3 4 5	γa	1 2 3 4 5 (I, **II**, **III**, IV, **V**, VII)	MCa, MZa	[1] [2] [3] [4] [5] [6] {7}
1	5	11	1 2 3 4 7	αa	1 2 3 4 7 (I, **II**, **III**, IV, **V**, VII)	Sαc	[1] [2] [3] [4] [5] [6] {7}
1	5	11	1 2 3 4 7	αb	1 2 3 4 7 (I, **II**, **III**, IV, **V**, VII)	Sαb, *Kαb*, Kdαb	[1] [2] [3] [4] [5] [6] {7}
1	5	11	1 2 3 4 7	βa	1 2 3 4 7 (I, **II**, **III**, IV, **V**, VII)	Sβa, MZa	[1] [2] [3] [4] [5] [6] {7}
1	5	11	1 2 3 4 7	βb	1 2 3 4 7 (I, **II**, **III**, IV, **V**, VII)	Sβb, Kβb, Kdβb	[1] [2] [3] [4] [5] [6] {7}
1	5	11	1 2 3 4 8	αa	1 2 3 4 8 (I, **II**, **III**, IV, **V**, VII)	Sαc	[1] [2] [3] [4] [5] [6] {7}
1	5	11	1 2 3 4 8	αb	1 2 3 4 8 (I, **II**, **III**, IV, **V**, VII)	Sαb, *Kαb*, Kdαb	[1] [2] [3] [4] [5] [6] {7}
1	5	11	1 2 3 4 8	βa	1 2 3 4 8 (I, **II**, **III**, IV, **V**, VII)	Sβa, MZa	[1] [2] [3] [4] [5] [6] {7}
1	5	11	1 2 3 4 8	βb	1 2 3 4 8 (I, **II**, **III**, IV, **V**, VII)	Sβb, Kβb, Kdβb	[1] [2] [3] [4] [5] [6] {7}
1	5	11	1 2 3 4 9	αa	1 2 3 4 9 (I, **II**, **III**, IV, **V**, VII)	Sαc	[1] [2] [3] [4] [5] [6] {7}
1	5	11	1 2 3 4 9	αb	1 2 3 4 9 (I, **II**, **III**, IV, **V**, VII)	Sαb, *Kαb*, Kdαb	[1] [2] [3] [4] [5] [6] {7}
1	5	11	1 2 3 4 9	αc	1 2 3 4 9 (I, **II**, **III**, IV, **V**, VII)	*Kc*, Sαc, *Kαc (cs)*, Kdαc (cs)	[1] [2] [3] [4] [5] [6] {7}
2	5	16	1 2 3 4	αb	1 (I, **II**, **III**, IV, **V**, VII) 2 3 (I, **II**, **III**, IV, **V**, VII) 4; ④⑥⑧⑨ ②③⑥⑧⑨	Sαb, *Kαb*, Kdαb	[1] [2] [3] [4] [5] [6] {7}
2	5	16	1 2 3 4	βb	1 (I, **II**, **III**, IV, **V**, VII) 2 3 (I, **II**, **III**, IV, **V**, VII) 4; ④⑥⑧⑨ ②③⑥⑧⑨	Sβb, Kβb, Kdβb	[1] [2] [3] [4] [5] [6] {7}
2	5	16	1 2 3 4	βc	1 (I, **II**, **III**, IV, **V**, VII) 2 3 (I, **II**, **III**, IV, **V**, VII) 4; ④⑥⑧⑨ ②③⑥⑧⑨	Sβc, Kβc (cs), KDBC (CS)	[1] [2] [3] [4] [5] [6] {7}
2	5	16	1 2 3 4	γb	1 (I, **II**, **III**, IV, **V**, VII) 2 3 (I, **II**, **III**, IV, **V**, VII) 4; ④⑥⑧⑨ ②③⑥⑧⑨	Kγc(cs), KαBc, KDγb	[2] [3] [4] [5] [6] {7}
2	5	16	1 2 3 4	γc	1 (I, **II**, **III**, IV, **V**, VII) 2 3 (I, **II**, **III**, IV, **V**, VII) 4; ④⑥⑧⑨ ②③⑥⑧⑨	*KαBc*, KγC(cs), KDγC(cs)	[2] [3] [4] [5] [6] {7}
2	5	16	1 2 3 4	αa	1 (I, **II**, **III**, IV, **V**, VII) 2 3 (I, **II**, **III**, IV, **V**, VII) 4; ④⑥⑧⑨ ②③⑥⑧⑨	Sαc	[1] [2] [3] [4] [5] [6] {7}
2	5	16	1 2 3 4	γa	1 (I, **II**, **III**, IV, **V**, VII) 2 3 (I, **II**, **III**, IV, **V**, VII) 4; ④⑥⑧⑨ ②③⑥⑧⑨	MCa, MZa	[1] [2] [3] [4] [5] [6] {7}
2	5	17	1 2 3 4 5	βb	1 (I, **II**, **III**, IV, **V**, VII) 2 3 4 5 (I, **II**, **III**, IV, **V**, VII)	Sβb, Kβb, Kdβb	[1] [2] [3] [4] [5] [6] {7}
2	5	17	1 2 3 4 7	αb	1 (I, **II**, **III**, IV, **V**, VII) 2 3 4 7(I, **II**, **III**, IV, **V**, VII)	Sαb, *Kαb*, Kdαb	[1] [2] [3] [4] [5] [6] {7}
2	5	17	1 2 3 4 7	βb	1 (I, **II**, **III**, IV, **V**, VII) 2 3 4 7(I, **II**, **III**, IV, **V**, VII)	Sβb, Kβb, Kdβb	[1] [2] [3] [4] [5] [6] {7}
2	5	17	1 2 3 4 8	αb	1 (I, **II**, **III**, IV, **V**, VII) 2 3 4 8 (I, **II**, **III**, IV, **V**, VII)	Sαb, *Kαb*, Kdαb	[1] [2] [3] [4] [5] [6] {7}
2	5	17	1 2 3 4 8	βb	1 (I, **II**, **III**, IV, **V**, VII) 2 3 4 8 (I, **II**, **III**, IV, **V**, VII)	Sβb, Kβb, Kdβb	[1] [2] [3] [4] [5] [6] {7}
2	5	17	1 2 3 4 9	αa	1 (I, **II**, **III**, IV, **V**, VII) 2 3 4 9 (I, **II**, **III**, IV, **V**, VII)	Sαc	[1] [2] [3] [4] [5] [6] {7}

2	5	17	1 2 3 4 9	αc	1 (I, **II**, **III**, IV, **V**, VII) 2 3 4 9 (I, **II**, **III**, IV, **V**, VII)	*Kc*, Sαc, *Kαc (cs)*, Kdαc (cs)	[1] [2] [3] [4] [5] [6] {7}
2	5	17	1 2 3 4 5	γa	1 2 (I, **II**, **III**, IV, **V**, VII) 3 4 5 (I, **II**, **III**, IV, **V**, VII)	MCA, MZa	[1] [2] [3] [4] [5] [6] {7}
2	5	17	1 2 3 4 7	αa	1 2 (I, **II**, **III**, IV, **V**, VII) 3 4 7 (I, **II**, **III**, IV, **V**, VII)	Sαc	[1] [2] [3] [4] [5] [6] {7}
2	5	17	1 2 3 4 8	αa	1 2 (I, **II**, **III**, IV, **V**, VII) 3 4 8 (I, **II**, **III**, IV, **V**, VII)	Sαc	[1] [2] [3] [4] [5] [6] {7}
2	5	17	1 2 3 4 9	αa	1 2 (I, **II**, **III**, IV, **V**, VII) 3 4 9 (I, **II**, **III**, IV, **V**, VII)	Sαc	[1] [2] [3] [4] [5] [6] {7}
2	5	17	1 2 3 4 5	βb	1 2 3 (I, **II**, **III**, IV, **V**, VII) 4 5 (I, **II**, **III**, IV, **V**, VII)	Sβb, Kβb, Kdβb	[1] [2] [3] [4] [5] [6] {7}
2	5	17	1 2 3 4 7	αb	1 2 3 (I, **II**, **III**, IV, **V**, VII) 4 7 (I, **II**, **III**, IV, **V**, VII)	Sαb, *Kαb*, Kdαb	[1] [2] [3] [4] [5] [6] {7}
2	5	17	1 2 3 4 7	βb	1 2 3 (I, **II**, **III**, IV, **V**, VII) 4 7 (I, **II**, **III**, IV, **V**, VII)	Sβb, Kβb, Kdβb	[1] [2] [3] [4] [5] [6] {7}
2	5	17	1 2 3 4 8	αa	1 2 3 (I, **II**, **III**, IV, **V**, VII) 4 8 (I, **II**, **III**, IV, **V**, VII)	Sαc	[1] [2] [3] [4] [5] [6] {7}
2	5	17	1 2 3 4 8	αb	1 2 3 (I, **II**, **III**, IV, **V**, VII) 4 8 (I, **II**, **III**, IV, **V**, VII)	Sαb, *Kαb*, Kdαb	[1] [2] [3] [4] [5] [6] {7}
2	5	17	1 2 3 4 8	βb	1 2 3 (I, **II**, **III**, IV, **V**, VII) 4 8 (I, **II**, **III**, IV, **V**, VII)	Sβb, Kβb, Kdβb	[1] [2] [3] [4] [5] [6] {7}
2	5	17	1 2 3 4 9	αa	1 2 3 (I, **II**, **III**, IV, **V**, VII) 4 9 (I, **II**, **III**, IV, **V**, VII)	Sαc	[1] [2] [3] [4] [5] [6] {7}
2	5	17	1 2 3 4 9	αc	1 2 3 (I, **II**, **III**, IV, **V**, VII) 4 9 (I, **II**, **III**, IV, **V**, VII)	*Kc*, Sαc, *Kαc (cs)*, Kdαc (cs)	[1] [2] [3] [4] [5] [6] {7}
2	5	17	1 2 3 4 5	βa	1 2 3 4 (I, **II**, **III**, IV, **V**, VII) 5 (I, **II**, **III**, IV, **V**, VII)	Sβa, MZa	[1] [2] [3] [4] [5] [6] {7}
2	5	17	1 2 3 4 5	γa	1 2 3 4 (I, **II**, **III**, IV, **V**, VII) 5 (I, **II**, **III**, IV, **V**, VII)	MCa,	[1] [2] [3] [4] [5] [6] {7}
2	5	17	1 2 3 4 7	αa	1 2 3 4 (I, **II**, **III**, IV, **V**, VII) 7 (I, **II**, **III**, IV, **V**, VII)	Sαc	[1] [2] [3] [4] [5] [6] {7}
2	5	17	1 2 3 4 7	βa	1 2 3 4 (I, **II**, **III**, IV, **V**, VII) 7 (I, **II**, **III**, IV, **V**, VII)	Sβa, MZa	[1] [2] [3] [4] [5] [6] {7}
2	5	17	1 2 3 4 8	αa	1 2 3 4 (I, **II**, **III**, IV, **V**, VII) 8 (I, **II**, **III**, IV, **V**, VII)	Sαc	[1] [2] [3] [4] [5] [6] {7}
2	5	17	1 2 3 4 8	βa	1 2 3 4 (I, **II**, **III**, IV, **V**, VII) 8 (I, **II**, **III**, IV, **V**, VII)	Sβa, MZa	[1] [2] [3] [4] [5] [6] {7}
2	5	17	1 2 3 4 9	αa	1 2 3 4 (I, **II**, **III**, IV, **V**, VII) 9 (I, **II**, **III**, IV, **V**, VII)	Sαc	[1] [2] [3] [4] [5] [6] {7}
2	6	18	1 2 3 4 5 7	βa	1 2 3 4 5 (I, **II**, **III**, IV, **V**, VII) 7 (I, **II**, **III**, IV, **V**, VII)	Sβa, MZa	[1] [2] [3] [4] [5] [6] {7}
2	6	18	1 2 3 4 5 7	βb	1 2 3 4 5 (I, **II**, **III**, IV, **V**, VII) 7 (I, **II**, **III**, IV, **V**, VII)	Sβb, Kβb, Kdβb	[1] [2] [3] [4] [5] [6] {7}
2	6	18	1 2 3 4 5 8	βa	1 2 3 4 5 (I, **II**, **III**, IV, **V**, VII) 8 (I, **II**, **III**, IV, **V**, VII)	Sβa, MZa	[1] [2] [3] [4] [5] [6] {7}
2	6	18	1 2 3 4 5 8	βb	1 2 3 4 5 (I, **II**, **III**, IV, **V**, VII) 8 (I, **II**, **III**, IV, **V**, VII)	Sβb, Kβb, Kdβb	[1] [2] [3] [4] [5] [6] {7}
2	6	18	1 2 3 4 7 8	αa	1 2 3 4 7 (I, **II**, **III**, IV, **V**, VII) 8 (I, **II**, **III**, IV, **V**, VII)	Sαc	[1] [2] [3] [4] [5] [6] {7}

2	6	18	1 2 3 4 7 8	βa	1 2 3 4 7 (I, **II**, **III**, IV, **V**, VII) 8 (I, **II**, **III**, IV, **V**, VII)	Sβa, MZa	[1] [2] [3] [4] [5] [6] {7}
2	6	18	1 2 3 4 7 8	βb	1 2 3 4 7 (I, **II**, **III**, IV, **V**, VII) 8 (I, **II**, **III**, IV, **V**, VII)	Sβb, Kβb, Kdβb	[1] [2] [3] [4] [5] [6] {7}
2	6	18	1 2 3 4 7 9	αb	1 2 3 4 7 (I, **II**, **III**, IV, **V**, VII) 9 (I, **II**, **III**, IV, **V**, VII)	Sαb, *Kαb*, Kdαb	[1] [2] [3] [4] [5] [6] {7}
2	6	18	1 2 3 4 8 9	αa	1 2 3 4 8 (I, **II**, **III**, IV, **V**, VII) 9 (I, **II**, **III**, IV, **V**, VII)	Sαc	[1] [2] [3] [4] [5] [6] {7}
2	6	18	1 2 3 4 8 9	αb	1 2 3 4 8 (I, **II**, **III**, IV, **V**, VII) 9 (I, **II**, **III**, IV, **V**, VII)	Sαb, *Kαb*, Kdαb	[1] [2] [3] [4] [5] [6] {7}
3	4	22	1 2 3 4	βc	1 (I, **II**, **III**, IV, **V**, VII) 2 3 (I, **II**, **III**, IV, **V**, VII) 4 (I, **II**, **III**, IV, **V**, VII); ④⑥⑧⑨ ②③⑥⑧⑨ ⑤⑥⑧⑨	Ic, Sβc, Kβc (cs), Kdβc (cs)	[1] [2] [3] [4] [5] [6] {7}
3	5	23	1 2 3 4 5	βb	1 (I, **II**, **III**, IV, **V**, VII) 2 3 (I, **II**, **III**, IV, **V**, VII) 4 5(I, **II**, **III**, IV, **V**, VII)	Sβb, Kβb, Kdβb	[1] [2] [3] [4] [5] [6] {7}
3	5	23	1 2 3 4 7	βb	1 (I, **II**, **III**, IV, **V**, VII) 2 3 (I, **II**, **III**, IV, **V**, VII) 4 7 (I, **II**, **III**, IV, **V**, VII)	Sβb, Kβb, Kdβb	[1] [2] [3] [4] [5] [6] {7}
3	5	23	1 2 3 4 8	αb	1 (I, **II**, **III**, IV, **V**, VII) 2 3 (I, **II**, **III**, IV, **V**, VII) 4 8 (I, **II**, **III**, IV, **V**, VII)	Sαb, *Kαb*, Kdαb	[1] [2] [3] [4] [5] [6] {7}
3	5	23	1 2 3 4 8	βb	1 (I, **II**, **III**, IV, **V**, VII) 2 3 (I, **II**, **III**, IV, **V**, VII) 4 8 (I, **II**, **III**, IV, **V**, VII)	Sβb, Kβb, Kdβb	[1] [2] [3] [4] [5] [6] {7}
3	5	23	1 2 3 4 9	αb	1 (I, **II**, **III**, IV, **V**, VII) 2 3 (I, **II**, **III**, IV, **V**, VII) 4 9 (I, **II**, **III**, IV, **V**, VII)	Sαc	[1] [2] [3] [4] [5] [6] {7}
3	5	23	1 2 3 4 9	αc	1 (I, **II**, **III**, IV, **V**, VII) 2 3 (I, **II**, **III**, IV, **V**, VII) 4 9 (I, **II**, **III**, IV, **V**, VII)	*Kc*, Sαc, *Kαc (cs)*, Kdαc (cs)	[1] [2] [3] [4] [5] [6] {7}
3	5	23	1 2 3 4 9	αb	1 (I, **II**, **III**, IV, **V**, VII) 2 3 (I, **II**, **III**, IV, **V**, VII) 4 9 (I, **II**, **III**, IV, **V**, VII)	Sαc	[1] [2] [3] [4] [5] [6] {7}
3	5	23	1 2 3 4 9	αc	1 (I, **II**, **III**, IV, **V**, VII) 2 3 (I, **II**, **III**, IV, **V**, VII) 4 9 (I, **II**, **III**, IV, **V**, VII)	*Kc*, Sαc, *Kαc (cs)*, Kdαc (cs)	[1] [2] [3] [4] [5] [6] {7}
3	5	23	1 2 3 4 5	β	1 (I, **II**, **III**, IV, **V**, VII) 2 3 4 (I, **II**, **III**, IV, **V**, VII) 5 (I, **II**, **III**, IV, **V**, VII)	Sβb, Kβb, Kdβb	[1] [2] [3] [4] [5] [6] {7}
3	5	23	1 2 3 4 7	βb	1 (I, **II**, **III**, IV, **V**, VII) 2 3 4 (I, **II**, **III**, IV, **V**, VII) 7 (I, **II**, **III**, IV, **V**, VII)	Sβb, Kβb, Kdβb	[1] [2] [3] [4] [5] [6] {7}
3	5	23	1 2 3 4 5	γa	1 2 (I, **II**, **III**, IV, **V**, VII) 3 4 (I, **II**, **III**, IV, **V**, VII) 5 (I, **II**, **III**, IV, **V**, VII)	MCa, MZa	[1] [2] [3] [4] [5] [6] {7}
3	5	23	1 2 3 4 7	αa	1 2 (I, **II**, **III**, IV, **V**, VII) 3 4 (I, **II**, **III**, IV, **V**, VII) 7 (I, **II**, **III**, IV, **V**, VII)	Sαc	[1] [2] [3] [4] [5] [6] {7}
3	5	23	1 2 3 4 8	αa	1 2 (I, **II**, **III**, IV, **V**, VII) 3 4 (I, **II**, **III**, IV, **V**, VII) 8 (I, **II**, **III**, IV, **V**, VII)	Sαc	[1] [2] [3] [4] [5] [6] {7}
3	5	23	1 2 3 4 9	αa	1 2 (I, **II**, **III**, IV, **V**, VII) 3 4 (I, **II**, **III**, IV, **V**, VII) 9 (I, **II**, **III**, IV, **V**, VII)	Sαc	[1] [2] [3] [4] [5] [6] {7}
3	6	24	1 2 3 4 5 8	βb	1 (I, **II**, **III**, IV, **V**, VII) 2 3 4 5 (I, **II**, **III**, IV, **V**, VII) 8 (I, **II**, **III**, IV, **V**, VII)	Sβb, Kβb, Kdβb	[1] [2] [3] [4] [5] [6] {7}
3	6	24	1 2 3 4 5 8	αa	1 (I, **II**, **III**, IV, **V**, VII) 2 3 4 5 (I, **II**, **III**, IV, **V**, VII) 8 (I, **II**, **III**, IV, **V**, VII)	Sαc	[1] [2] [3] [4] [5] [6] {7}
3	6	24	1 2 3 4 5 8	βa	1 (I, **II**, **III**, IV, **V**, VII) 2 3 4 5 (I, **II**, **III**, IV, **V**, VII) 8 (I, **II**, **III**, IV, **V**, VII)	Sβa, MZa	[1] [2] [3] [4] [5] [6] {7}
3	6	24	1 2 3 4 5 8	βb	1 2 3 (I, **II**, **III**, IV, **V**, VII) 4 5 (I, **II**, **III**, IV, **V**, VII) 8 (I, **II**, **III**, IV, **V**, VII)	Sβb, Kβb, Kdβb	[1] [2] [3] [4] [5] [6] {7}

3	6	24	1 2 3 4 5 8	βa	1 2 3 4 (I, **II**, **III**, IV, **V**, VII) 5 (I, **II**, **III**, IV, **V**, VII) 8 (I, **II**, **III**, IV, **V**, VII)	SβA, MZa	[1] [2] [3] [4] [5] [6] {7}
3	6	24	1 2 3 4 5 7	βb	1 (I, **II**, **III**, IV, **V**, VII) 2 3 4 5 (I, **II**, **III**, IV, **V**, VII) 7 (I, **II**, **III**, IV, **V**, VII)	Sβb, Kβb, Kdβb	[1] [2] [3] [4] [5] [6] {7}
3	6	24	1 2 3 4 5 7	βa	1 2 (I, **II**, **III**, IV, **V**, VII) 3 4 5 (I, **II**, **III**, IV, **V**, VII) 7 (I, **II**, **III**, IV, **V**, VII)	SβA, MZa	[1] [2] [3] [4] [5] [6] {7}
3	6	4	1 2 3 4 5 7	βb	1 2 3 (I, **II**, **III**, IV, **V**, VII) 4 5 (I, **II**, **III**, IV, **V**, VII) 7 (I, **II**, **III**, IV, **V**, VII)	Sβb, Kβb, Kdβb	[1] [2] [3] [4] [5] [6] {7}
3	6	24	1 2 3 4 5 7	βa	1 2 3 4 (I, **II**, **III**, IV, **V**, VII) 5 (I, **II**, **III**, IV, **V**, VII) 7 (I, **II**, **III**, IV, **V**, VII)	Sβa, MZa	[1] [2] [3] [4] [5] [6] {7}
3	6	24	1 2 3 4 7 8	αb	1 (I, **II**, **III**, IV, **V**, VII) 2 3 4 7 (I, **II**, **III**, IV, **V**, VII) 8 (I, **II**, **III**, IV, **V**, VII)	Sαb, *Kαb,* Kdαb	[1] [2] [3] [4] [5] [6] {7}
3	6	24	1 2 3 4 7 8	βb	1 (I, **II**, **III**, IV, **V**, VII) 2 3 4 7 (I, **II**, **III**, IV, **V**, VII) 8 (I, **II**, **III**, IV, **V**, VII)	Sβb, Kβb, Kdβb	[1] [2] [3] [4] [5] [6] {7}
3	6	24	1 2 3 4 7 9	αb	1 (I, **II**, **III**, IV, **V**, VII) 2 3 4 7 (I, **II**, **III**, IV, **V**, VII) 9 (I, **II**, **III**, IV, **V**, VII)	Sαb, *Kαb,* Kdαb	[1] [2] [3] [4] [5] [6] {7}
3	6	24	1 2 3 4 7 8	αa	1 2 (I, **II**, **III**, IV, **V**, VII) 3 4 7 (I, **II**, **III**, IV, **V**, VII) 8 (I, **II**, **III**, IV, **V**, VII)	Sαc	[1] [2] [3] [4] [5] [6] {7}
3	6	24	1 2 3 4 7 8	βa	1 2 (I, **II**, **III**, IV, **V**, VII) 3 4 7 (I, **II**, **III**, IV, **V**, VII) 8 (I, **II**, **III**, IV, **V**, VII)	Sβa, MZa	[1] [2] [3] [4] [5] [6] {7}
3	6	24	1 2 3 4 7 9	αa	1 2 (I, **II**, **III**, IV, **V**, VII) 3 4 7 (I, **II**, **III**, IV, **V**, VII) 9 (I, **II**, **III**, IV, **V**, VII)	Sαc	[1] [2] [3] [4] [5] [6] {7}
3	6	24	1 2 3 4 7 8	αb	1 2 3 (I, **II**, **III**, IV, **V**, VII) 4 7 (I, **II**, **III**, IV, **V**, VII) 8 (I, **II**, **III**, IV, **V**, VII)	Sαb, *Kαb,* Kdαb	[1] [2] [3] [4] [5] [6] {7}
3	6	24	1 2 3 4 7 8	βb	1 2 3 (I, **II**, **III**, IV, **V**, VII) 4 7 (I, **II**, **III**, IV, **V**, VII) 8 (I, **II**, **III**, IV, **V**, VII)	Sβb, Kβb, Kdβb	[1] [2] [3] [4] [5] [6] {7}
3	6	24	1 2 3 4 7 9	αb	1 2 3 (I, **II**, **III**, IV, **V**, VII) 4 7 (I, **II**, **III**, IV, **V**, VII) 9 (I, **II**, **III**, IV, **V**, VII)	Sαb, *Kαb,* Kdαb	[1] [2] [3] [4] [5] [6] {7}
3	6	24	1 2 3 4 8 9	αa	1 2 3 4 (I, **II**, **III**, IV, **V**, VII) 8 (I, **II**, **III**, IV, **V**, VII) 9 (I, **II**, **III**, IV, **V**, VII)	Sαc	[1] [2] [3] [4] [5] [6] {7}
3	6	24	1 2 3 4 8 9	αc	1 2 3 4 (I, **II**, **III**, IV, **V**, VII) 8 (I, **II**, **III**, IV, **V**, VII) 9 (I, **II**, **III**, IV, **V**, VII)	*Kc*, Sαc, *Kαc (cs),* Kdαc (cs)	[1] [2] [3] [4] [5] [6] {7}
3	6	24	1 2 3 4 7 8	αa	1 2 3 4 (I, **II**, **III**, IV, **V**, VII) 7 (I, **II**, **III**, IV, **V**, VII) 8 (I, **II**, **III**, IV, **V**, VII)	Sαc	[1] [2] [3] [4] [5] [6] {7}
3	6	24	1 2 3 4 7 8	βa	1 2 3 4 (I, **II**, **III**, IV, **V**, VII) 7 (I, **II**, **III**, IV, **V**, VII) 8 (I, **II**, **III**, IV, **V**, VII)	Sβa, MZa	[1] [2] [3] [4] [5] [6] {7}
3	6	24	1 2 3 4 7 9	αa	1 2 3 4 (I, **II**, **III**, IV, **V**, VII) 7 (I, **II**, **III**, IV, **V**, VII) 9 (I, **II**, **III**, IV, **V**, VII)	Sαc	[1] [2] [3] [4] [5] [6] {7}
3	7	25	1 2 3 4 5 7 8	βa	1 2 3 4 5 (I, **II**, **III**, IV, **V**, VII) 7 (I, **II**, **III**, IV, **V**, VII) 8 (I, **II**, **III**, IV, **V**, VII)	Sβa, MZa	[1] [2] [3] [4] [5] [6] {7}
3	7	25	1 2 3 4 5 7 8	βb	1 2 3 4 5 (I, **II**, **III**, IV, **V**, VII) 7 (I, **II**, **III**, IV, **V**, VII) 8 (I, **II**, **III**, IV, **V**, VII)	Sβb, Kβb, Kdβb	[1] [2] [3] [4] [5] [6] {7}
3	7	25	1 2 3 4 7 8 9	αa	1 2 3 4 7 (I, **II**, **III**, IV, **V**, VII) 8 (I, **II**, **III**, IV, **V**, VII) 9 (I, **II**, **III**, IV, **V**, VII)	Sαc	[1] [2] [3] [4] [5] [6] {7}
4	6	30	1 2 3 4 5 7	βb	1 (I, **II**, **III**, IV, **V**, VII) 2 3 (I, **II**, **III**, IV, **V**, VII) 4 5 (I, **II**, **III**, IV, **V**, VII) 7 (I, **II**, **III**, IV, **V**, VII)	Sβb, Kβb, Kdβb	[1] [2] [3] [4] [5] [6] {7}
4	6	30	1 2 3 4 5 8	βb	1 (I, **II**, **III**, IV, **V**, VII) 2 3 (I, **II**, **III**, IV, **V**, VII) 4 5 (I, **II**, **III**, IV, **V**, VII) 8 (I,	Sβb, Kβb, Kdβb	[1] [2] [3] [4] [5] [6] {7}

					II, **III**, IV, **V**, VII)		
4	6	30	1 2 3 4 7 8	αb	1 (I, **II**, **III**, IV, **V**, VII) 2 3 (I, **II**, **III**, IV, **V**, VII) 4 7 (I, **II**, **III**, IV, **V**, VII) 8 (I, **II**, **III**, IV, **V**, VII)	Sαb, *Kαb*, Kdαb	[1] [2] [3] [4] [5] [6] {7}
4	6	30	1 2 3 4 7 8	βb	1 (I, **II**, **III**, IV, **V**, VII) 2 3 (I, **II**, **III**, IV, **V**, VII) 4 7 (I, **II**, **III**, IV, **V**, VII) 8 (I, **II**, **III**, IV, **V**, VII)	Sβb, Kβb, Kdβb	[1] [2] [3] [4] [5] [6] {7}
4	6	30	1 2 3 4 7 8	αa	1 2 (I, **II**, **III**, IV, **V**, VII) 3 4 (I, **II**, **III**, IV, **V**, VII) 7 (I, **II**, **III**, IV, **V**, VII) 8 (I, **II**, **III**, IV, **V**, VII)	Sαc	[1] [2] [3] [4] [5] [6] {7}
4	7	31	1 2 3 4 5 7 8	βb	1 (I, **II**, **III**, IV, **V**, VII) 2 3 4 5 (I, **II**, **III**, IV, **V**, VII) 7 (I, **II**, **III**, IV, **V**, VII) 8 (I, **II**, **III**, IV, **V**, VII)	Sβb, Kβb, Kdβb	[1] [2] [3] [4] [5] [6] {7}
4	7	31	1 2 3 4 5 7 8	βb	1 2 3 (I, **II**, **III**, IV, **V**, VII) 4 5 (I, **II**, **III**, IV, **V**, VII) 7 (I, **II**, **III**, IV, **V**, VII) 8 (I, **II**, **III**, IV, **V**, VII)	Sβb, Kβb, Kdβb	[1] [2] [3] [4] [5] [6] {7}
4	7	31	1 2 3 4 5 7 8	βa	1 2 3 4 (I, **II**, **III**, IV, **V**, VII) 5 (I, **II**, **III**, IV, **V**, VII) 7 (I, **II**, **III**, IV, **V**, VII) 8 (I, **II**, **III**, IV, **V**, VII)	Sβa, MZa	[1] [2] [3] [4] [5] [6] {7}
5	7	37	1 2 3 4 5 7 8	βb	1 (I, **II**, **III**, IV, **V**, VII) 2 3 (I, **II**, **III**, IV, **V**, VII) 4 5 (I, **II**, **III**, IV, **V**, VII) 7 (I, **II**, **III**, IV, **V**, VII) 8 (I, **II**, **III**, IV, **V**, VII)	Sβb, Kβb, Kdβb	[1] [2] [3] [4] [5] [6] {7}
5	7	37	1 2 3 4 7 8 9	αb	1 (I, **II**, **III**, IV, **V**, VII) 2 3 (I, **II**, **III**, IV, **V**, VII) 4 7 (I, **II**, **III**, IV, **V**, VII) 8 (I, **II**, **III**, IV, **V**, VII) 9 (I, **II**, **III**, IV, **V**, VII)	Sαc	[1] [2] [3] [4] [5] [6] {7}
5	7	37	1 2 3 4 7 8 9	αb	1 (I, **II**, **III**, IV, **V**, VII) 2 3 (I, **II**, **III**, IV, **V**, VII) 4 7 (I, **II**, **III**, IV, **V**, VII) 8 (I, **II**, **III**, IV, **V**, VII) 9 (I, **II**, **III**, IV, **V**, VII)	Sαc	[1] [2] [3] [4] [5] [6] {7}
5	7	37	1 2 3 4 5 7 8	βa	1 2 (I, **II**, **III**, IV, **V**, VII) 3 4 (I, **II**, **III**, IV, **V**, VII) 5 (I, **II**, **III**, IV, **V**, VII) 7 (I, **II**, **III**, IV, **V**, VII) 8 (I, **II**, **III**, IV, **V**, VII)	Sβa, MZa	[1] [2] [3] [4] [5] [6] {7}

Key:

Static visual variables

1 size; 2 form; 3 value; 4 colour; 5 grain; 6 orientation; 7 brilliance; 8 transparency; 9 aura; dynamized variables are underlined

Sound variables

② Pitch; ③ Register; ④ Loudness; ⑤ Timbre; ⑥ Duration;⑦ Rhytm; ⑧ Rate of change; ⑨ Order; ⑩ Frequency

Entities / measurement levels

α point entities; β line entities; γ area entities;

a - nominal scale measurable entities; b - ordinary scale measurable entities; c - quantitative scale measurable entities

Methods of presentations		Functionalities		Types of animation
Sαb – Ordinary point signatures,	Sβc – Quantitative line signatures,	F1 - Navigation	F4g – choice of the extent	1M – mono module
Kαb – Ordinary point choropleth maps,	Kβc (cs) - Quantitative line choropleth maps,	F2 – Import of layers or sub-animations	F5 – Choice of the method of data processing	1L – mono level
Kdαb – Ordinary point cartodiagrams	Kdβc (cs) - Quantitative line cartodiagrams	F3 – Programming of animation	F6 – Choice of the type of visualization	MM – multi module
Kc – Dot method,	KαBb – Ordinary Bertin's choropleth map,	F4 – Edition of animation:	F7 – Analysis of spatio-temporal data	ML - multilevel
Sαc – Quantitative point signatures,	Kγb – Ordinary area choropleth maps,	F4a – choice of information	F7a – comparison of layers	
Kαc (cs) – Quantitative point choropleth maps,	KDγb – Ordinary dasimetric choropleth maps,	F4b - query of information	F7b – comparison of layers with animation	
Kdαc (cs) - Quantitative point cartodiagrams,	KαBc - Quantitative Bertin's choropleth map,	F4c – choice of the scope of information	F7c - comparison of animations	
Sβb – Ordinary line signatures,	Kγc(cs) - Quantitative area choropleth maps,	F4d - choice of them mode of information	F7d – intersection of layers and animation	
Kβb – Ordinary line choropleth maps,	KDγc(cs) - Quantitative dasimetric choropleth maps,	F4e – choice of period	F7e – intersection and/or incrustration of animations	
Kdβb - Ordinary line cartodiagrams	Sαa – Qualitative point signatures	F4f – choice of location		
Ic – isoline maps,	MCa – Chorochromatic method maps,			
Sβa – Qualitative line signatures,	MZa – Range maps			

The methods distinguished by italics are conditional for seventh age group

Age groups

[1] [2] [3] [4] [5] [6] [7] - correct combination of variables for labelled age groups

{1} {2} {3} {4} {5} {6} {7} {8} conditional combination of variables for labelled age groups