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Supplementary file S1

Table S1. Final five-factor solution on consumer housing value dimensions among **Danish** consumers. Bolded values are the highest factor loadings in absolute values.

Survey statement*	Communalities (Extraction)	Apartment layout and maintenance	Building materials	Life-cycle ecological sustainability	Pleasant architecture and aesthetic milieu	Urban life in a good neighborhood
... functional floorplan” (H)	0.344	0.505	0.120	0.163	0.162	0.146
...solidity and durability” (H)	0.694	0.770	0.234	0.192	0.065	0.072
...maintenance” (H)	0.585	0.715	0.223	0.129	0.055	0.073
...materials used in load- bearing construction” (H)	0.477	0.360	0.483	0.317	0.093	0.072
...indoor visible materials” (H)	0.489	0.232	0.634	0.134	0.115	0.046
...outdoor visible materials” (H)	0.632	0.219	0.712	0.219	0.156	0.071
...the building consists mainly of renewable materials”	0.390	0.215	0.233	0.516	0.133	0.069
...the building has a low carbon footprint in construction” (H)	0.789	0.134	0.081	0.876	0.066	0.044
...the building has a low carbon footprint in use” (H)	0.753	0.207	0.119	0.825	0.124	0.003
...recyclability at end-of- lifetime of building” (H)	0.468	0.060	0.149	0.657	0.021	0.095
... design and visual appeal of the building” (H)	0.346	0.080	0.306	0.085	0.455	0.178
...nice view from the area” (Lo/En)	0.652	0.078	0.060	0.105	0.784	0.128
...nice view from the house or apartment” (Lo/En)	0.907	0.135	0.105	0.086	0.932	0.047
...short distance to city center” Lo/Se	0.318	0.040	0.058	0.027	-0.002	0.559
...short distance to leisure facilities” (Lo/Se)	0.420	0.033	-0.023	0.062	0.092	0.637
...located in an attractive community with a good reputation” (Lo/So)	0.464	0.208	0.136	0.061	0.230	0.587
Cronbach’s α		0.756	0.751	0.840	0.782	0.636
Eigenvalues		1.778	1.475	2.401	1.841	1.153
Explained variance, %		9.325	9.046	31.142	12.140	6.359

*Connections between the analytical framework and survey statements employed as variables are described with H=Physical characteristics of the house and Lo=Locational quality (Lo/Di=Distances and accessibility, Lo/So=Social factors, Lo/Se=Services, and Lo/En=Physical environment. Kaiser-Meyer-Olkin measure of sampling adequacy 0.826, Bartlett’s test of sphericity $p=0.000$, Goodness-of-fit test $\chi^2 = p=0.000$

Table S2. Final four-factor solution on consumer housing value dimensions among **Finnish** consumers. Bolded values are the highest factor loadings in absolute values.

Survey statement*	Communalities (Extraction)	Apartment layout, maintenance and building materials	Life-cycle ecological sustainability	Connection with nature	Urban life in a good neighborhood with closeness to family and friends
... functional floorplan" (H)	0.319	0.504	0.008	0.162	0.196
...solidity and durability" (H)	0.568	0.724	0.131	0.137	0.089
...maintenance" (H)	0.488	0.671	0.107	0.092	0.132
...materials used in load-bearing construction" (H)	0.392	0.494	0.319	0.202	0.071
...indoor visible materials" (H)	0.478	0.630	0.160	0.190	0.142
...outdoor visible materials" (H)	0.409	0.495	0.251	0.278	0.151
...the building consists mainly of renewable materials" (H)	0.668	0.189	0.781	0.146	-0.024
...the building has a low carbon footprint in construction" (H)	0.757	0.098	0.852	0.111	0.095
...the building has a low carbon footprint in use" (H)	0.642	0.166	0.772	0.109	0.087
...recyclability at end-of-lifetime of building" (H)	0.635	0.152	0.772	0.085	0.095
... the amount of natural light indoors" (H)	0.398	0.345	0.194	0.472	0.136
...nice view from the area" (Lo/En)	0.566	0.183	0.032	0.728	0.030
...nice view from the house or apartment" (Lo/En)	0.713	0.210	0.101	0.810	0.059
...short distance to recreational areas" (Lo/En)	0.282	0.132	0.180	0.460	0.144
...short distance to leisure facilities Lo/Se	0.356	0.109	0.105	0.097	0.569
...short distance to family or friends" Lo/Di	0.199	0.075	0.083	0.090	0.422
...short distance to city center (Lo/Se)	0.457	0.080	0.031	-0.053	0.669
...located in an attractive community with a good reputation" (Lo/So)	0.404	0.244	-0.058	0.134	0.569
Cronbach's α		0.798	0.889	0.762	0.658
Eigenvalues		2.508	2.849	1.919	1.454
Explained variance, %		12.273	30.138	9.249	7.716

*Connections between the analytical framework and survey statements employed as variables are described with H=Physical characteristics of the house and Lo=Locational quality (Lo/Di=Distances and accessibility, Lo/So=Social factors, Lo/Se=Services, and Lo/En=Physical environment. Kaiser-Meyer-Olkin measure of sampling adequacy 0.860, Bartlett's test of sphericity $p=0.000$, Goodness-of-fit test $\chi^2 = p=0.000$

Table S3. Final four-factor solution on consumer housing value dimensions among **Norwegian** consumers. Bolded values are the highest factor loadings in absolute values.

Survey statement*	Communalities (Extraction)	Apartment layout, maintenance and building materials	Life-cycle ecological sustainability	Aesthetic milieu	Urban life in a good neighborhood with pleasant architecture
... functional floorplan" (H)	0.360	0.467	0.115	0.176	0.312
...solidity and durability" (H)	0.584	0.734	0.094	0.167	0.079
...maintenance" (H)	0.594	0.730	0.150	0.087	0.174
...materials used in load- bearing construction" (H)	0.466	0.557	0.367	0.104	0.104
...indoor visible materials" (H)	0.536	0.687	0.134	0.127	0.173
...outdoor visible materials" (H)	0.501	0.641	0.223	0.119	0.161
...the building consists mainly of renewable materials"	0.634	0.238	0.757	0.059	0.023
...the building has a low carbon footprint in construction" (H)	0.714	0.111	0.818	0.089	0.156
...the building has a low carbon footprint in use" (H)	0.746	0.210	0.827	0.069	0.116
...recyclability at end-of- lifetime of building" (H)	0.562	0.146	0.732	0.065	0.019
... design and visual appeal of the building" (H)	0.381	0.353	0.164	0.263	0.401
...nice view from the area" (Lo/En)	0.618	0.202	0.095	0.746	0.104
...nice view from the house or apartment" (Lo/En)	0.999	0.240	0.106	0.957	0.117
...short distance to leisure facilities (Lo/Se)	0.264	0.039	0.149	0.047	0.488
...short distance to city center" Lo/Se	0.418	0.247	0.024	-0.006	0.597
...located in an attractive community with a good reputation" (Lo/So)	0.477	0.150	-0.035	0.110	0.664
Cronbach's α		0.839	0.881	0.880	0.659
Eigenvalues		2.707	2.768	1.657	1.363
Explained variance, %		34.698	13.450	8.853	8.373

*Connections between the analytical framework and survey statements employed as variables are described with H=Physical characteristics of the house and Lo=Locational quality (Lo/Di=Distances and accessibility, Lo/So=Social factors, Lo/Se=Services, and Lo/En=Physical environment. Kaiser-Meyer-Olkin measure of sampling adequacy 0.854, Bartlett's test of sphericity $p=0.000$, Goodness-of-fit test $\chi^2 = p=0.000$

Table S4. Final four-factor solution on consumer housing value dimensions among **Swedish** consumers. Bolded values are the highest factor loadings in absolute values.

Survey statement*	Communalities (Extraction)	Apartment layout, maintenance and building materials	Life-cycle ecological sustainability	Pleasant architecture and aesthetic milieu	Urban life in a good neighborhood
... functional floorplan" (H)	0.342	0.452	0.107	0.110	0.338
...solidity and durability" (H)	0.569	0.740	0.115	0.080	0.038
...maintenance" (H)	0.578	0.736	0.143	0.081	0.096
...materials used in load- bearing construction" (H)	0.377	0.481	0.303	0.187	0.137
...indoor visible materials" (H)	0.420	0.597	0.091	0.205	0.115
...outdoor visible materials" (H)	0.408	0.545	0.161	0.283	0.072
...the building consists mainly of renewable materials"	0.709	0.170	0.811	0.140	0.050
...the building has a low carbon footprint in construction" (H)	0.716	0.144	0.819	0.072	0.137
...the building has a low carbon footprint in use" (H)	0.690	0.236	0.788	0.086	0.074
...recyclability at end-of- lifetime of building" (H)	0.610	0.105	0.763	0.088	0.098
... design and visual appeal of the building" (H)	0.358	0.291	0.181	0.456	0.181
...nice view from the area" (Lo/En)	0.784	0.177	0.114	0.852	0.117
...nice view from the house or apartment" (Lo/En)	0.865	0.223	0.089	0.894	0.094
...located in an attractive community with a good reputation" (Lo/So)	0.406	0.202	0.054	0.263	0.545
...short distance to city center (Lo/Se)	0.461	0.149	0.014	0.023	0.662
...short distance to leisure facilities" (Lo/Se)	0.354	0.000	0.165	0.056	0.569
Cronbach's α		0.881	0.839	0.746	0.619
Eigenvalues		2.523	2.788	2.027	1.312
Explained variance, %		33.280	13.183	9.377	8.905

*Connections between the analytical framework and survey statements employed as variables are described with H=Physical characteristics of the house and Lo=Locational quality (Lo/Di=Distances and accessibility, Lo/So=Social factors, Lo/Se=Services, and Lo/En=Physical environment. Kaiser-Meyer-Olkin measure of sampling adequacy 0.843, Bartlett's test of sphericity $p=0.000$, Goodness-of-fit test $\chi^2 = p=0.000$