

Supplementary material

Multidimensional Well-being and Inequality across the European Regions with Alternative Interactions between the Well-being Dimensions

Table 1. List of the European regions

Table 2. Overall, material, personal and community composite scores obtained with different β parameters

Table 3. Rankings based on overall, material, personal and community composite scores obtained with different β parameters

Figure 1. Average well-being and within-country inequality in different multidimensional well-being categories when $\beta=0$

Figure 2. Average well-being and within-country inequality in different multidimensional well-being categories when $\beta=1$

Table 1. List of the European regions		
Country	Region	Population in 2014
Austria	Burgenland	287318
Austria	Carinthia	555743
Austria	Lower Austria	1626260
Austria	Salzburg	534185
Austria	Styria	1214930
Austria	Tyrol	721574
Austria	Upper Austria	1425980
Austria	Vienna	1765580
Austria	Vorarlberg	375323
Belgium	Brussels-Capital Region	1172750
Belgium	Flemish Region (Vlaams Gewest)	6421950
Belgium	Wallonia (Région wallonne)	3586140
Czech Republic	Central Bohemian Region	1302340
Czech Republic	Central Moravia	1222660
Czech Republic	Moravia-Silesia	1221830
Czech Republic	Northeast	1506500
Czech Republic	Northwest	1125430
Czech Republic	Prague	1243200
Czech Republic	Southeast	1680290
Czech Republic	Southwest	1210180
Denmark	Capital (DK)	1749410
Denmark	Central Jutland	1277540
Denmark	Northern Jutland	581057
Denmark	Southern Denmark	1202510
Denmark	Zealand	816726
Estonia	Central Estonia	124684
Estonia	North Estonia	572103
Estonia	Northeast Estonia	149483
Estonia	South Estonia	322052
Estonia	West Estonia	147497
Finland	Åland	28666
Finland	Eastern and Northern Finland	1300850
Finland	Helsinki-Uusimaa	1585470
Finland	Southern Finland	1161880
Finland	Western Finland	1374400

France	Alsace	1872950
France	Aquitaine	3343330
France	Auvergne	1360460
France	Brittany	3276540
France	Burgundy	1642550
France	Centre (FR)	2577440
France	Champagne-Ardenne	1339300
France	Corsica	324212
France	Franche-Comté	1178070
France	Île-de-France	12027600
France	Languedoc-Roussillon	2751590
France	Limousin	738120
France	Lorraine	2342400
France	Lower Normandy	1479380
France	Midi-Pyrénées	2979160
France	Nord-Pas-de-Calais	4076060
France	Pays de la Loire	3690660
France	Picardy	1930100
France	Poitou-Charentes	1797700
France	Provence-Alpes-Côte d'Azur	4983440
France	Rhône-Alpes	6460510
France	Upper Normandy	1856270
Germany	Baden-Württemberg	10631300
Germany	Bavaria	12604200
Germany	Berlin	3421830
Germany	Brandenburg	2449190
Germany	Bremen	657391
Germany	Hamburg	1746340
Germany	Hesse	6045430
Germany	Lower Saxony	7790560
Germany	Mecklenburg-Vorpommern	1596510
Germany	North Rhine-Westphalia	17571900
Germany	Rhineland-Palatinate	3994370
Germany	Saarland	990718
Germany	Saxony	4046390
Germany	Saxony-Anhalt	2244580
Germany	Schleswig-Holstein	2815960

Germany	Thuringia	2160840
Greece	Attica	3863760
Greece	Central Greece	559214
Greece	Central Macedonia	1903360
Greece	Crete	630889
Greece	East Macedonia - Thrace	608214
Greece	Epirus	341046
Greece	Ionian Islands	207664
Greece	North Aegean	198581
Greece	Peloponnese	585155
Greece	South Aegean	334802
Greece	Thessaly	737686
Greece	West Greece	677727
Greece	West Macedonia	278706
Hungary	Central Hungary	2965410
Hungary	Central Transdanubia	1069190
Hungary	Northern Great Plain	1484380
Hungary	Northern Hungary	1176890
Hungary	Southern Great Plain	1279480
Hungary	Southern Transdanubia	917492
Hungary	Western Transdanubia	984521
Iceland	Capital Region	208752
Iceland	Other Regions	116919
Ireland	Border, Midland and Western	1232780
Ireland	Southern and Eastern	3372720
Italy	Abruzzo	1333940
Italy	Aosta Valley	128591
Italy	Apulia	4090270
Italy	Basilicata	578391
Italy	Calabria	1980530
Italy	Campania	5869970
Italy	Emilia-Romagna	4446350
Italy	Friuli-Venezia Giulia	1229360
Italy	Lazio	5870450
Italy	Liguria	1591940
Italy	Lombardy	9973400
Italy	Marche	1553140

Italy	Molise	314725
Italy	Piedmont	4436800
Italy	Province of Bolzano-Bozen	515714
Italy	Province of Trento	536237
Italy	Sardinia	1663860
Italy	Sicily	5094940
Italy	Tuscany	3750510
Italy	Umbria	896742
Italy	Veneto	4926820
Luxembourg	Luxembourg	549680
Netherlands	Drenthe	488988
Netherlands	Flevoland	399893
Netherlands	Friesland	646317
Netherlands	Gelderland	2019690
Netherlands	Groningen	582728
Netherlands	Limburg	1120010
Netherlands	North Brabant	2479270
Netherlands	North Holland	2741370
Netherlands	Overijssel	1139700
Netherlands	South Holland	3577030
Netherlands	Utrecht	1253670
Netherlands	Zeeland	380621
Norway	Agder and Rogaland	751632
Norway	Hedmark and Oppland	382230
Norway	Northern Norway	478033
Norway	Oslo and Akershus	1209990
Norway	South-Eastern Norway	969415
Norway	Trøndelag	441193
Norway	Western Norway	875475
Poland	Dolnoslaskie	2869580
Poland	Kujawsko-Pomorskie	2068420
Poland	Lódzkie	2498860
Poland	Lubelskie	2134410
Poland	Lubuskie	1008560
Poland	Malopolskie	3316100
Poland	Mazowieckie	5292570
Poland	Opolskie	960226

Poland	Podkarpackie	2083550
Poland	Podlaskie	1165450
Poland	Pomorskie	2264820
Poland	Slaskie	4548180
Poland	Swietokrzyskie	1253040
Poland	Warminsko-Mazurskie	1421260
Poland	Wielkopolskie	3441440
Poland	Zachodniopomorskie	1691400
Portugal	Alentejo	743306
Portugal	Algarve	442358
Portugal	Azores	247440
Portugal	Central Portugal	2281160
Portugal	Lisbon	261313
Portugal	Madeira	2807530
Portugal	North (PT)	3644200
Slovak Republic	Bratislava Region	618380
Slovak Republic	Central Slovakia	1347230
Slovak Republic	East Slovakia	1613670
Slovak Republic	West Slovakia	1836660
Slovenia	Eastern Slovenia	1094710
Slovenia	Western Slovenia	966376
Spain	Andalusia	8388880
Spain	Aragon	1331300
Spain	Asturias	1058980
Spain	Balearic Islands	1115840
Spain	Basque Country	2167170
Spain	Canary Islands	2114850
Spain	Cantabria	587682
Spain	Castile and León	2495690
Spain	Castile-La Mancha	2075200
Spain	Catalonia	7416240
Spain	Ceuta	84674
Spain	Extremadura	1096420
Spain	Galicia	2747230
Spain	La Rioja	315223
Spain	Madrid	6378300
Spain	Melilla	83870

Spain	Murcia	1461800
Spain	Navarra	636450
Spain	Valencia	4956430
Sweden	Central Norrland	368617
Sweden	East Middle Sweden	1605350
Sweden	North Middle Sweden	829134
Sweden	Småland with Islands	819426
Sweden	South Sweden	1426830
Sweden	Stockholm	2163040
Sweden	Upper Norrland	510548
Sweden	West Sweden	1921920
Switzerland	Central Switzerland	774123
Switzerland	Eastern Switzerland	1134780
Switzerland	Espace Mittelland	1808480
Switzerland	Lake Geneva Region	1545820
Switzerland	Northwestern Switzerland	1104350
Switzerland	Ticino	346539
Switzerland	Zurich	1425540
United Kingdom	East Midlands	4618250
United Kingdom	East of England	5986850
United Kingdom	Greater London	8478150
United Kingdom	North East England	2614650
United Kingdom	North West England	7117150
United Kingdom	Northern Ireland (UK)	1830300
United Kingdom	Scotland	5337800
United Kingdom	South East England	8833650
United Kingdom	South West England	5400300
United Kingdom	Wales	3087000
United Kingdom	West Midlands	5694550
United Kingdom	Yorkshire and The Humber	5348400

Table 2. Overall, material, personal and community composite scores obtained with different β parameters																	
Country	Region	Overall well-being index				Material well-being index				Personal well-being index				Community well-being index			
		$\beta=-1$	$\beta=0$	$\beta=1$	Δ	$\beta=-1$	$\beta=0$	$\beta=1$	Δ	$\beta=-1$	$\beta=0$	$\beta=1$	Δ	$\beta=-1$	$\beta=0$	$\beta=1$	Δ
Austria	Burgenland	0.794	0.810	0.823	0.028	0.861	0.863	0.865	0.004	0.825	0.826	0.826	0.002	0.713	0.746	0.777	0.064
Austria	Carinthia	0.581	0.692	0.754	0.172	0.810	0.812	0.814	0.004	0.826	0.829	0.831	0.004	0.368	0.492	0.617	0.249
Austria	Lower Austria	0.755	0.784	0.806	0.050	0.864	0.869	0.874	0.010	0.798	0.799	0.799	0.001	0.640	0.694	0.743	0.103
Austria	Salzburg	0.784	0.803	0.820	0.035	0.839	0.848	0.857	0.018	0.878	0.878	0.878	0.000	0.670	0.697	0.724	0.054
Austria	Styria	0.796	0.806	0.815	0.019	0.833	0.836	0.838	0.004	0.844	0.844	0.844	0.000	0.723	0.743	0.763	0.040
Austria	Tyrol	0.757	0.770	0.782	0.025	0.788	0.802	0.816	0.028	0.843	0.845	0.846	0.003	0.664	0.675	0.685	0.021
Austria	Upper Austria	0.791	0.806	0.819	0.028	0.873	0.877	0.881	0.008	0.809	0.809	0.809	0.000	0.710	0.739	0.768	0.058
Austria	Vienna	0.662	0.685	0.705	0.043	0.689	0.700	0.714	0.025	0.806	0.811	0.815	0.009	0.543	0.566	0.588	0.044
Austria	Vorarlberg	0.745	0.774	0.799	0.054	0.887	0.892	0.897	0.011	0.840	0.842	0.843	0.003	0.585	0.617	0.657	0.072
Belgium	Brussels-Capital Region	0.393	0.514	0.610	0.217	0.447	0.523	0.598	0.151	0.724	0.728	0.732	0.008	0.250	0.358	0.501	0.252
Belgium	Flemish Region	0.709	0.751	0.783	0.074	0.833	0.839	0.846	0.013	0.846	0.847	0.849	0.003	0.541	0.595	0.653	0.112
Belgium	Wallonia	0.609	0.640	0.672	0.063	0.616	0.649	0.686	0.070	0.699	0.703	0.707	0.009	0.535	0.574	0.623	0.088
Czech Rep.	Central Bohemian	0.480	0.520	0.566	0.086	0.415	0.454	0.504	0.090	0.697	0.731	0.764	0.066	0.417	0.423	0.430	0.014
Czech Rep.	Central Moravia	0.380	0.439	0.504	0.124	0.302	0.360	0.426	0.124	0.705	0.735	0.765	0.060	0.317	0.319	0.321	0.005
Czech Rep.	Moravia-Silesia	0.001	0.181	0.489	0.488	0.269	0.318	0.376	0.107	0.626	0.675	0.723	0.097	0.000	0.028	0.367	0.366
Czech Rep.	Northeast	0.462	0.515	0.563	0.102	0.348	0.411	0.477	0.128	0.704	0.727	0.751	0.047	0.453	0.457	0.462	0.009
Czech Rep.	Northwest	0.321	0.386	0.454	0.133	0.271	0.333	0.400	0.129	0.521	0.583	0.643	0.122	0.267	0.295	0.320	0.053
Czech Rep.	Prague	0.467	0.534	0.605	0.137	0.468	0.520	0.584	0.115	0.849	0.862	0.875	0.026	0.322	0.339	0.355	0.034
Czech Rep.	Southeast	0.444	0.493	0.547	0.103	0.363	0.411	0.468	0.104	0.764	0.783	0.802	0.038	0.371	0.372	0.373	0.002
Czech Rep.	Southwest	0.486	0.547	0.606	0.120	0.376	0.434	0.498	0.123	0.708	0.736	0.764	0.056	0.475	0.511	0.556	0.081
Denmark	Capital (DK)	0.752	0.766	0.780	0.028	0.701	0.708	0.716	0.014	0.787	0.794	0.801	0.015	0.773	0.799	0.823	0.050
Denmark	Central Jutland	0.767	0.780	0.792	0.025	0.672	0.683	0.694	0.022	0.765	0.773	0.781	0.016	0.896	0.898	0.901	0.005
Denmark	Northern Jutland	0.774	0.788	0.802	0.028	0.701	0.713	0.724	0.023	0.714	0.720	0.726	0.011	0.955	0.955	0.956	0.001
Denmark	Southern Denmark	0.756	0.769	0.781	0.024	0.682	0.694	0.705	0.023	0.730	0.737	0.745	0.014	0.883	0.888	0.892	0.010
Denmark	Zealand	0.738	0.751	0.765	0.027	0.681	0.691	0.700	0.019	0.722	0.731	0.742	0.019	0.825	0.839	0.852	0.027
Estonia	Central Estonia	0.001	0.163	0.476	0.475	0.112	0.233	0.394	0.282	0.526	0.576	0.621	0.095	0.000	0.032	0.414	0.413
Estonia	North Estonia	0.001	0.208	0.577	0.576	0.233	0.302	0.416	0.183	0.765	0.796	0.825	0.059	0.000	0.037	0.490	0.489
Estonia	Northeast Estonia	0.000	0.064	0.392	0.391	0.000	0.019	0.206	0.205	0.397	0.518	0.636	0.239	0.000	0.026	0.333	0.333
Estonia	South Estonia	0.001	0.129	0.497	0.496	0.000	0.029	0.369	0.369	0.648	0.687	0.722	0.074	0.011	0.108	0.400	0.389
Estonia	West Estonia	0.001	0.231	0.579	0.578	0.000	0.031	0.377	0.377	0.594	0.634	0.671	0.077	0.584	0.639	0.690	0.106
Finland	Åland	0.680	0.756	0.806	0.127	0.910	0.915	0.920	0.010	0.731	0.738	0.746	0.015	0.513	0.638	0.753	0.240
Finland	Eastern and Northern	0.707	0.732	0.754	0.047	0.628	0.635	0.643	0.015	0.847	0.851	0.854	0.007	0.682	0.725	0.766	0.084
Finland	Helsinki-Uusimaa	0.820	0.826	0.831	0.012	0.758	0.760	0.762	0.004	0.901	0.904	0.906	0.005	0.812	0.819	0.826	0.015
Finland	Southern Finland	0.758	0.771	0.783	0.025	0.671	0.675	0.679	0.007	0.853	0.856	0.859	0.006	0.773	0.793	0.812	0.039
Finland	Western Finland	0.767	0.782	0.796	0.029	0.676	0.681	0.687	0.011	0.881	0.882	0.883	0.002	0.770	0.794	0.817	0.046
France	Alsace	0.699	0.724	0.743	0.044	0.687	0.690	0.693	0.007	0.830	0.831	0.833	0.004	0.614	0.661	0.704	0.090
France	Aquitaine	0.801	0.807	0.813	0.012	0.718	0.721	0.725	0.007	0.839	0.844	0.848	0.009	0.861	0.863	0.865	0.003
France	Auvergne	0.798	0.803	0.808	0.010	0.752	0.757	0.762	0.010	0.789	0.792	0.794	0.005	0.859	0.863	0.867	0.009

France	Brittany	0.820	0.823	0.827	0.007	0.763	0.765	0.768	0.005	0.824	0.826	0.827	0.003	0.881	0.883	0.885	0.004
France	Burgundy	0.745	0.752	0.759	0.013	0.698	0.706	0.713	0.015	0.773	0.777	0.781	0.008	0.770	0.776	0.782	0.012
France	Centre	0.767	0.775	0.783	0.016	0.716	0.722	0.727	0.012	0.788	0.793	0.799	0.011	0.805	0.814	0.823	0.019
France	Champagne-Ardenne	0.703	0.717	0.730	0.027	0.654	0.664	0.674	0.020	0.748	0.752	0.756	0.008	0.714	0.738	0.760	0.046
France	Corsica	0.001	0.246	0.604	0.603	0.476	0.499	0.522	0.046	0.742	0.753	0.764	0.022	0.000	0.039	0.526	0.526
France	Franche-Comté	0.774	0.781	0.788	0.015	0.695	0.700	0.704	0.010	0.838	0.841	0.845	0.008	0.805	0.810	0.816	0.011
France	Île-de-France	0.696	0.722	0.747	0.051	0.631	0.663	0.698	0.066	0.869	0.875	0.881	0.012	0.635	0.649	0.662	0.027
France	Languedoc-Roussillon	0.725	0.741	0.755	0.029	0.591	0.602	0.612	0.021	0.827	0.833	0.838	0.011	0.809	0.811	0.814	0.005
France	Limousin	0.813	0.819	0.824	0.011	0.749	0.753	0.758	0.009	0.797	0.799	0.802	0.005	0.910	0.910	0.911	0.002
France	Lorraine	0.715	0.726	0.736	0.021	0.638	0.649	0.659	0.021	0.792	0.793	0.793	0.001	0.733	0.745	0.755	0.022
France	Lower Normandy	0.772	0.780	0.788	0.016	0.729	0.731	0.732	0.003	0.747	0.753	0.759	0.013	0.851	0.862	0.872	0.021
France	Midi-Pyrénées	0.808	0.814	0.820	0.012	0.722	0.725	0.727	0.005	0.886	0.889	0.892	0.006	0.834	0.837	0.841	0.007
France	Nord-Pas-de-Calais	0.615	0.634	0.652	0.038	0.546	0.562	0.576	0.030	0.758	0.760	0.762	0.004	0.578	0.598	0.618	0.040
France	Pays de la Loire	0.807	0.811	0.816	0.010	0.728	0.729	0.730	0.003	0.858	0.861	0.865	0.007	0.848	0.851	0.854	0.006
France	Picardy	0.672	0.684	0.695	0.023	0.630	0.639	0.647	0.017	0.711	0.717	0.722	0.012	0.679	0.698	0.716	0.037
France	Poitou-Charentes	0.789	0.796	0.802	0.013	0.706	0.716	0.725	0.019	0.826	0.827	0.829	0.003	0.851	0.852	0.853	0.002
France	Alpes-Côte d'Azur	0.630	0.667	0.697	0.068	0.634	0.642	0.651	0.017	0.818	0.824	0.830	0.012	0.509	0.561	0.610	0.102
France	Rhône-Alpes	0.758	0.767	0.776	0.019	0.717	0.720	0.724	0.007	0.858	0.862	0.867	0.010	0.716	0.727	0.739	0.023
France	Upper Normandy	0.728	0.738	0.747	0.019	0.636	0.646	0.656	0.020	0.786	0.789	0.792	0.005	0.784	0.790	0.795	0.011
Germany	Baden-Württemberg	0.799	0.825	0.845	0.046	0.966	0.966	0.967	0.001	0.874	0.875	0.875	0.001	0.635	0.664	0.693	0.058
Germany	Bavaria	0.812	0.834	0.854	0.042	0.996	0.996	0.996	0.000	0.868	0.869	0.870	0.002	0.650	0.672	0.696	0.046
Germany	Berlin	0.715	0.731	0.744	0.030	0.757	0.760	0.762	0.005	0.851	0.854	0.857	0.006	0.587	0.601	0.614	0.026
Germany	Brandenburg	0.703	0.726	0.749	0.046	0.860	0.865	0.870	0.011	0.826	0.834	0.842	0.017	0.529	0.531	0.534	0.006
Germany	Bremen	0.720	0.737	0.754	0.034	0.885	0.890	0.895	0.010	0.778	0.786	0.793	0.015	0.571	0.572	0.573	0.002
Germany	Hamburg	0.771	0.790	0.807	0.036	0.914	0.916	0.918	0.004	0.859	0.864	0.868	0.009	0.613	0.624	0.636	0.023
Germany	Hesse	0.796	0.810	0.823	0.027	0.928	0.929	0.929	0.002	0.859	0.862	0.865	0.005	0.655	0.665	0.674	0.019
Germany	Lower Saxony	0.786	0.800	0.813	0.027	0.919	0.921	0.922	0.003	0.829	0.834	0.840	0.012	0.657	0.666	0.676	0.019
Germany	Mecklenburg-Vorpommern	0.743	0.761	0.779	0.036	0.780	0.790	0.802	0.022	0.803	0.811	0.820	0.018	0.663	0.688	0.714	0.051
Germany	North Rhine-Westphalia	0.760	0.780	0.798	0.038	0.884	0.886	0.888	0.004	0.813	0.819	0.824	0.010	0.629	0.655	0.682	0.053
Germany	Rhineland-Palatinate	0.803	0.821	0.837	0.033	0.964	0.965	0.966	0.002	0.832	0.835	0.838	0.006	0.669	0.687	0.706	0.037
Germany	Saarland	0.751	0.763	0.775	0.023	0.872	0.877	0.881	0.009	0.796	0.804	0.812	0.015	0.629	0.630	0.631	0.002
Germany	Saxony	0.771	0.788	0.804	0.033	0.852	0.858	0.865	0.012	0.865	0.871	0.877	0.012	0.641	0.656	0.672	0.031
Germany	Saxony-Anhalt	0.698	0.726	0.751	0.052	0.809	0.817	0.826	0.017	0.812	0.827	0.841	0.029	0.547	0.565	0.584	0.037
Germany	Schleswig-Holstein	0.787	0.802	0.816	0.029	0.947	0.948	0.949	0.003	0.835	0.841	0.846	0.011	0.641	0.647	0.651	0.010
Germany	Thuringia	0.766	0.780	0.794	0.028	0.852	0.859	0.867	0.015	0.855	0.863	0.871	0.016	0.636	0.640	0.644	0.008
Greece	Attica	0.001	0.184	0.495	0.494	0.179	0.240	0.300	0.120	0.773	0.774	0.775	0.002	0.000	0.033	0.410	0.410
Greece	Central Greece	0.001	0.125	0.363	0.362	0.096	0.140	0.212	0.116	0.589	0.618	0.649	0.060	0.000	0.022	0.227	0.227
Greece	Central Macedonia	0.001	0.143	0.403	0.402	0.000	0.012	0.166	0.166	0.641	0.650	0.660	0.020	0.363	0.373	0.383	0.020
Greece	Crete	0.001	0.139	0.417	0.417	0.097	0.133	0.203	0.107	0.615	0.645	0.675	0.061	0.000	0.032	0.374	0.373
Greece	East Macedonia - Thrace	0.069	0.224	0.347	0.278	0.026	0.071	0.183	0.157	0.423	0.471	0.517	0.094	0.327	0.333	0.340	0.013
Greece	Epirus	0.001	0.135	0.398	0.397	0.102	0.141	0.209	0.107	0.628	0.653	0.681	0.053	0.000	0.027	0.303	0.303

Greece	Ionian Islands	0.000	0.066	0.367	0.367	0.000	0.021	0.222	0.222	0.581	0.606	0.632	0.051	0.000	0.023	0.248	0.248
Greece	North Aegean	0.001	0.129	0.431	0.430	0.044	0.102	0.223	0.179	0.679	0.695	0.711	0.032	0.000	0.030	0.359	0.359
Greece	Peloponnese	0.001	0.138	0.402	0.402	0.104	0.142	0.209	0.106	0.587	0.614	0.644	0.057	0.000	0.030	0.354	0.354
Greece	South Aegean	0.001	0.157	0.426	0.425	0.150	0.200	0.258	0.108	0.652	0.673	0.695	0.043	0.000	0.029	0.324	0.324
Greece	Thessaly	0.001	0.151	0.402	0.402	0.000	0.015	0.177	0.176	0.614	0.631	0.649	0.034	0.362	0.372	0.382	0.020
Greece	West Greece	0.000	0.054	0.390	0.389	0.000	0.008	0.157	0.157	0.578	0.596	0.615	0.037	0.000	0.033	0.397	0.397
Greece	West Macedonia	0.075	0.245	0.416	0.342	0.028	0.056	0.167	0.139	0.566	0.588	0.612	0.046	0.417	0.445	0.470	0.053
Hungary	Central Hungary	0.370	0.448	0.527	0.157	0.230	0.277	0.352	0.122	0.629	0.687	0.740	0.111	0.459	0.474	0.489	0.030
Hungary	Central Transdanubia	0.305	0.401	0.496	0.191	0.179	0.230	0.322	0.144	0.456	0.548	0.632	0.176	0.491	0.511	0.535	0.044
Hungary	Northern Great Plain	0.055	0.241	0.410	0.355	0.020	0.063	0.176	0.156	0.430	0.502	0.568	0.138	0.405	0.440	0.486	0.080
Hungary	Northern Hungary	0.110	0.275	0.416	0.306	0.047	0.108	0.208	0.161	0.269	0.400	0.533	0.264	0.465	0.485	0.508	0.042
Hungary	Southern Great Plain	0.183	0.306	0.405	0.222	0.088	0.148	0.247	0.160	0.457	0.531	0.600	0.143	0.357	0.363	0.368	0.011
Hungary	Southern Transdanubia	0.213	0.330	0.422	0.209	0.110	0.183	0.278	0.168	0.422	0.515	0.601	0.179	0.378	0.382	0.386	0.008
Hungary	Western Transdanubia	0.310	0.405	0.495	0.185	0.178	0.233	0.337	0.159	0.518	0.593	0.662	0.144	0.471	0.479	0.487	0.015
Iceland	Capital Region	0.766	0.793	0.818	0.051	0.614	0.636	0.662	0.048	0.820	0.834	0.847	0.026	0.938	0.941	0.945	0.007
Iceland	Other Regions	0.710	0.756	0.797	0.087	0.618	0.643	0.672	0.054	0.634	0.694	0.749	0.114	0.967	0.968	0.969	0.002
Ireland	Border, Midland and Western	0.646	0.676	0.704	0.058	0.643	0.669	0.699	0.056	0.741	0.743	0.745	0.005	0.576	0.620	0.668	0.092
Ireland	Southern and Eastern	0.719	0.732	0.745	0.026	0.711	0.720	0.728	0.017	0.806	0.807	0.808	0.002	0.655	0.676	0.699	0.043
Italy	Abruzzo	0.637	0.661	0.683	0.046	0.507	0.520	0.533	0.025	0.681	0.702	0.725	0.044	0.788	0.790	0.793	0.005
Italy	Aosta Valley	0.579	0.641	0.693	0.114	0.708	0.716	0.726	0.018	0.569	0.621	0.674	0.105	0.497	0.591	0.679	0.183
Italy	Apulia	0.313	0.461	0.557	0.244	0.160	0.241	0.326	0.166	0.533	0.594	0.655	0.122	0.683	0.687	0.690	0.007
Italy	Basilicata	0.521	0.571	0.619	0.098	0.356	0.375	0.394	0.038	0.616	0.643	0.673	0.057	0.755	0.772	0.790	0.036
Italy	Calabria	0.167	0.361	0.478	0.311	0.073	0.177	0.324	0.252	0.587	0.617	0.650	0.063	0.402	0.430	0.459	0.057
Italy	Campania	0.288	0.417	0.495	0.206	0.145	0.208	0.275	0.130	0.544	0.574	0.601	0.057	0.602	0.605	0.608	0.006
Italy	Emilia-Romagna	0.692	0.728	0.759	0.067	0.749	0.754	0.760	0.011	0.719	0.748	0.775	0.055	0.621	0.685	0.743	0.122
Italy	Friuli-Venezia Giulia	0.518	0.645	0.717	0.199	0.765	0.771	0.776	0.011	0.723	0.742	0.761	0.038	0.323	0.469	0.615	0.292
Italy	Lazio	0.701	0.715	0.728	0.027	0.592	0.604	0.616	0.025	0.762	0.771	0.782	0.020	0.785	0.786	0.787	0.003
Italy	Liguria	0.690	0.709	0.728	0.039	0.702	0.715	0.727	0.025	0.662	0.683	0.704	0.042	0.706	0.729	0.753	0.047
Italy	Lombardy	0.001	0.282	0.693	0.692	0.704	0.712	0.721	0.016	0.701	0.731	0.760	0.059	0.000	0.043	0.599	0.598
Italy	Marche	0.731	0.749	0.766	0.035	0.657	0.660	0.662	0.004	0.694	0.724	0.754	0.060	0.874	0.878	0.882	0.008
Italy	Molise	0.562	0.615	0.661	0.099	0.401	0.437	0.473	0.072	0.633	0.663	0.693	0.060	0.792	0.804	0.817	0.024
Italy	Piedmont	0.334	0.552	0.666	0.332	0.671	0.679	0.687	0.015	0.651	0.680	0.709	0.058	0.168	0.364	0.601	0.434
Italy	Bolzano-Bozen	0.690	0.736	0.776	0.086	0.737	0.761	0.784	0.047	0.747	0.771	0.794	0.047	0.606	0.681	0.749	0.143
Italy	Trento	0.722	0.737	0.751	0.029	0.693	0.696	0.699	0.006	0.782	0.797	0.811	0.029	0.697	0.721	0.744	0.047
Italy	Sardinia	0.450	0.537	0.610	0.160	0.324	0.382	0.441	0.116	0.462	0.565	0.661	0.199	0.706	0.718	0.729	0.023
Italy	Sicily	0.001	0.159	0.447	0.446	0.129	0.218	0.327	0.197	0.526	0.567	0.608	0.082	0.000	0.033	0.405	0.405
Italy	Tuscany	0.711	0.730	0.748	0.037	0.700	0.703	0.706	0.007	0.659	0.698	0.735	0.077	0.786	0.794	0.802	0.016
Italy	Umbria	0.711	0.722	0.734	0.022	0.628	0.633	0.637	0.008	0.734	0.751	0.768	0.034	0.792	0.794	0.796	0.005
Italy	Veneto	0.450	0.618	0.711	0.261	0.711	0.713	0.714	0.003	0.700	0.728	0.755	0.055	0.261	0.456	0.664	0.402
Luxembourg	Luxembourg	0.840	0.850	0.859	0.020	0.826	0.835	0.845	0.019	0.880	0.884	0.888	0.009	0.816	0.830	0.844	0.028
Netherlands	Drenthe	0.749	0.772	0.792	0.043	0.661	0.697	0.729	0.068	0.785	0.799	0.813	0.028	0.821	0.828	0.836	0.015

Netherlands	Flevoland	0.677	0.690	0.704	0.027	0.656	0.668	0.680	0.025	0.788	0.799	0.810	0.022	0.611	0.616	0.622	0.011
Netherlands	Friesland	0.744	0.767	0.787	0.043	0.663	0.696	0.728	0.065	0.766	0.782	0.799	0.032	0.820	0.828	0.835	0.015
Netherlands	Gelderland	0.690	0.713	0.734	0.044	0.714	0.730	0.746	0.032	0.803	0.815	0.827	0.024	0.588	0.609	0.629	0.041
Netherlands	Groningen	0.703	0.732	0.758	0.055	0.588	0.630	0.670	0.082	0.776	0.786	0.798	0.023	0.783	0.793	0.805	0.022
Netherlands	Limburg	0.679	0.708	0.735	0.056	0.732	0.746	0.759	0.027	0.769	0.786	0.802	0.033	0.570	0.607	0.644	0.074
Netherlands	North Brabant	0.717	0.740	0.762	0.045	0.750	0.767	0.782	0.032	0.789	0.804	0.819	0.030	0.631	0.657	0.684	0.053
Netherlands	North Holland	0.752	0.769	0.784	0.032	0.769	0.776	0.783	0.013	0.829	0.837	0.845	0.016	0.674	0.700	0.725	0.050
Netherlands	Overijssel	0.708	0.724	0.740	0.032	0.665	0.692	0.717	0.052	0.789	0.802	0.815	0.025	0.682	0.685	0.687	0.006
Netherlands	South Holland	0.733	0.748	0.763	0.031	0.726	0.733	0.740	0.014	0.799	0.812	0.825	0.026	0.682	0.702	0.724	0.042
Netherlands	Utrecht	0.808	0.816	0.825	0.016	0.802	0.806	0.809	0.007	0.853	0.860	0.867	0.014	0.773	0.785	0.797	0.024
Netherlands	Zeeland	0.635	0.696	0.742	0.106	0.717	0.739	0.760	0.043	0.766	0.787	0.808	0.042	0.495	0.578	0.657	0.162
Norway	Agder and Rogaland	0.886	0.890	0.894	0.008	0.907	0.910	0.912	0.004	0.835	0.837	0.839	0.003	0.920	0.926	0.931	0.011
Norway	Hedmark and Oppland	0.850	0.855	0.861	0.012	0.883	0.887	0.890	0.007	0.775	0.775	0.776	0.001	0.902	0.910	0.918	0.016
Norway	Northern Norway	0.841	0.847	0.854	0.013	0.895	0.896	0.897	0.003	0.813	0.819	0.826	0.013	0.820	0.829	0.837	0.017
Norway	Oslo and Akershus	0.890	0.896	0.901	0.011	0.869	0.882	0.894	0.026	0.907	0.910	0.912	0.005	0.896	0.897	0.897	0.001
Norway	South-Eastern Norway	0.845	0.849	0.852	0.007	0.879	0.880	0.881	0.003	0.817	0.822	0.826	0.009	0.842	0.846	0.850	0.008
Norway	Trøndelag	0.885	0.888	0.891	0.006	0.877	0.879	0.881	0.004	0.855	0.856	0.856	0.001	0.926	0.931	0.936	0.009
Norway	Western Norway	0.848	0.856	0.864	0.016	0.897	0.900	0.902	0.004	0.874	0.876	0.878	0.004	0.781	0.797	0.812	0.031
Poland	Dolnoslaskie	0.284	0.362	0.446	0.162	0.231	0.255	0.284	0.053	0.638	0.680	0.722	0.084	0.214	0.274	0.332	0.118
Poland	Kujawsko-Pomorskie	0.001	0.136	0.418	0.417	0.000	0.018	0.188	0.188	0.622	0.662	0.701	0.079	0.090	0.210	0.363	0.273
Poland	Lódzkie	0.239	0.321	0.418	0.179	0.160	0.237	0.360	0.200	0.489	0.563	0.636	0.146	0.235	0.247	0.258	0.024
Poland	Lubelskie	0.209	0.310	0.428	0.219	0.131	0.181	0.281	0.150	0.642	0.676	0.711	0.069	0.193	0.244	0.293	0.100
Poland	Lubuskie	0.001	0.124	0.364	0.363	0.140	0.183	0.251	0.111	0.563	0.611	0.661	0.098	0.000	0.017	0.180	0.180
Poland	Malopolskie	0.001	0.175	0.465	0.464	0.000	0.021	0.231	0.230	0.730	0.749	0.769	0.039	0.312	0.346	0.394	0.082
Poland	Mazowieckie	0.401	0.467	0.532	0.131	0.284	0.350	0.431	0.148	0.702	0.732	0.762	0.059	0.394	0.398	0.402	0.008
Poland	Opolskie	0.001	0.162	0.451	0.450	0.191	0.221	0.267	0.076	0.657	0.692	0.727	0.071	0.000	0.028	0.357	0.357
Poland	Podkarpackie	0.001	0.154	0.469	0.468	0.000	0.013	0.137	0.136	0.744	0.762	0.779	0.035	0.269	0.369	0.490	0.222
Poland	Podlaskie	0.196	0.337	0.475	0.280	0.161	0.199	0.259	0.098	0.684	0.705	0.726	0.042	0.131	0.271	0.441	0.310
Poland	Pomorskie	0.269	0.387	0.499	0.230	0.151	0.201	0.268	0.117	0.721	0.749	0.775	0.054	0.317	0.386	0.453	0.135
Poland	Slaskie	0.262	0.351	0.437	0.176	0.165	0.233	0.308	0.142	0.580	0.633	0.687	0.106	0.271	0.294	0.318	0.047
Poland	Swietokrzyskie	0.001	0.135	0.406	0.405	0.000	0.020	0.246	0.245	0.620	0.652	0.686	0.066	0.106	0.190	0.287	0.181
Poland	Warminsko-Mazurskie	0.000	0.070	0.410	0.410	0.000	0.017	0.181	0.181	0.556	0.597	0.638	0.082	0.000	0.034	0.412	0.412
Poland	Wielkopolskie	0.255	0.369	0.480	0.226	0.158	0.214	0.280	0.122	0.652	0.695	0.736	0.084	0.255	0.337	0.425	0.169
Poland	Zachodniopomorskie	0.118	0.266	0.405	0.287	0.145	0.180	0.220	0.075	0.601	0.638	0.676	0.075	0.059	0.164	0.320	0.260
Portugal	Alentejo	0.242	0.440	0.556	0.314	0.548	0.572	0.598	0.050	0.115	0.251	0.421	0.305	0.536	0.595	0.650	0.115
Portugal	Algarve	0.249	0.373	0.495	0.246	0.588	0.598	0.609	0.021	0.272	0.391	0.508	0.235	0.150	0.221	0.369	0.219
Portugal	Azores	0.000	0.087	0.500	0.500	0.492	0.508	0.524	0.031	0.000	0.029	0.349	0.349	0.000	0.045	0.628	0.628
Portugal	Central Portugal	0.112	0.381	0.550	0.439	0.589	0.631	0.671	0.082	0.044	0.189	0.453	0.409	0.407	0.463	0.527	0.120
Portugal	Lisbon	0.584	0.617	0.647	0.063	0.652	0.664	0.674	0.022	0.564	0.606	0.645	0.081	0.546	0.585	0.622	0.077
Portugal	Madeira	0.001	0.183	0.483	0.482	0.479	0.480	0.482	0.003	0.000	0.033	0.405	0.404	0.230	0.387	0.562	0.332
Portugal	North	0.112	0.388	0.556	0.444	0.463	0.492	0.524	0.061	0.044	0.196	0.478	0.434	0.535	0.604	0.667	0.132

Slovakia	Bratislava Region	0.372	0.471	0.567	0.194	0.337	0.475	0.608	0.271	0.705	0.739	0.770	0.065	0.272	0.297	0.322	0.050
Slovakia	Central Slovakia	0.001	0.157	0.420	0.419	0.214	0.230	0.249	0.035	0.541	0.613	0.682	0.141	0.000	0.027	0.329	0.329
Slovakia	East Slovakia	0.001	0.149	0.426	0.425	0.138	0.162	0.190	0.052	0.571	0.642	0.708	0.137	0.000	0.032	0.379	0.379
Slovakia	West Slovakia	0.001	0.174	0.462	0.461	0.233	0.267	0.314	0.081	0.598	0.660	0.719	0.121	0.000	0.030	0.354	0.354
Slovenia	Eastern Slovenia	0.363	0.456	0.522	0.159	0.402	0.415	0.428	0.026	0.745	0.750	0.755	0.010	0.225	0.305	0.382	0.157
Slovenia	Western Slovenia	0.483	0.529	0.578	0.095	0.453	0.468	0.486	0.034	0.865	0.866	0.866	0.002	0.351	0.366	0.381	0.029
Spain	Andalusia	0.001	0.217	0.562	0.561	0.000	0.029	0.343	0.342	0.368	0.481	0.588	0.220	0.730	0.743	0.754	0.024
Spain	Aragon	0.625	0.672	0.714	0.089	0.513	0.572	0.629	0.116	0.648	0.684	0.721	0.074	0.765	0.777	0.790	0.025
Spain	Asturias	0.542	0.619	0.678	0.136	0.386	0.468	0.549	0.163	0.677	0.700	0.723	0.045	0.683	0.724	0.762	0.079
Spain	Balearic Islands	0.541	0.599	0.652	0.111	0.506	0.541	0.579	0.073	0.498	0.591	0.678	0.180	0.640	0.671	0.698	0.058
Spain	Basque Country	0.735	0.768	0.798	0.063	0.656	0.703	0.746	0.090	0.769	0.786	0.803	0.034	0.795	0.821	0.845	0.050
Spain	Canary Islands	0.221	0.413	0.547	0.326	0.104	0.205	0.323	0.218	0.443	0.543	0.637	0.193	0.583	0.633	0.682	0.100
Spain	Cantabria	0.617	0.664	0.702	0.085	0.468	0.514	0.562	0.095	0.703	0.728	0.754	0.052	0.771	0.781	0.791	0.021
Spain	Castile and León	0.575	0.638	0.692	0.117	0.450	0.524	0.604	0.155	0.592	0.641	0.691	0.099	0.765	0.774	0.782	0.017
Spain	Castile-La Mancha	0.333	0.492	0.611	0.278	0.185	0.284	0.405	0.219	0.429	0.529	0.629	0.200	0.790	0.794	0.799	0.009
Spain	Catalonia	0.599	0.640	0.678	0.079	0.512	0.543	0.571	0.059	0.613	0.671	0.724	0.111	0.704	0.721	0.738	0.034
Spain	Ceuta	0.001	0.149	0.389	0.388	0.000	0.021	0.216	0.216	0.335	0.454	0.569	0.235	0.311	0.341	0.380	0.069
Spain	Extremadura	0.190	0.406	0.585	0.395	0.094	0.209	0.393	0.299	0.256	0.394	0.541	0.285	0.802	0.812	0.822	0.021
Spain	Galicia	0.503	0.582	0.657	0.154	0.391	0.463	0.544	0.153	0.536	0.601	0.663	0.127	0.647	0.708	0.764	0.116
Spain	La Rioja	0.656	0.693	0.728	0.072	0.568	0.604	0.642	0.074	0.636	0.674	0.713	0.077	0.805	0.816	0.828	0.023
Spain	Madrid	0.706	0.735	0.759	0.053	0.565	0.593	0.618	0.053	0.808	0.824	0.839	0.030	0.806	0.813	0.820	0.014
Spain	Melilla	0.001	0.169	0.452	0.451	0.000	0.022	0.214	0.214	0.594	0.639	0.681	0.087	0.237	0.348	0.461	0.224
Spain	Murcia	0.367	0.488	0.589	0.221	0.230	0.305	0.390	0.160	0.418	0.528	0.634	0.216	0.704	0.722	0.743	0.038
Spain	Navarra	0.711	0.737	0.761	0.049	0.670	0.705	0.737	0.067	0.721	0.747	0.773	0.052	0.749	0.760	0.773	0.024
Spain	Valencia	0.430	0.545	0.629	0.199	0.263	0.351	0.445	0.182	0.539	0.603	0.664	0.125	0.757	0.767	0.777	0.021
Sweden	Central Norrland	0.827	0.838	0.849	0.022	0.709	0.717	0.725	0.016	0.824	0.826	0.828	0.004	0.994	0.994	0.994	0.000
Sweden	East Middle Sweden	0.802	0.811	0.821	0.019	0.687	0.692	0.698	0.011	0.862	0.864	0.866	0.004	0.888	0.893	0.898	0.011
Sweden	North Middle Sweden	0.809	0.819	0.829	0.021	0.686	0.691	0.696	0.010	0.811	0.811	0.811	0.000	0.980	0.981	0.981	0.000
Sweden	Småland with Islands	0.843	0.851	0.859	0.016	0.752	0.760	0.769	0.017	0.851	0.853	0.855	0.004	0.949	0.951	0.954	0.005
Sweden	South Sweden	0.782	0.790	0.798	0.016	0.666	0.669	0.672	0.006	0.856	0.857	0.858	0.002	0.857	0.861	0.865	0.007
Sweden	Stockholm	0.826	0.840	0.852	0.026	0.741	0.766	0.788	0.047	0.906	0.907	0.909	0.002	0.847	0.854	0.860	0.012
Sweden	Upper Norrland	0.836	0.846	0.857	0.021	0.710	0.716	0.721	0.011	0.848	0.850	0.851	0.003	0.998	0.998	0.998	0.000
Sweden	West Sweden	0.805	0.815	0.825	0.020	0.716	0.724	0.732	0.016	0.876	0.878	0.881	0.006	0.843	0.853	0.862	0.019
Switzerland	Central Switzerland	0.595	0.697	0.759	0.164	0.789	0.805	0.820	0.031	0.911	0.913	0.915	0.005	0.374	0.460	0.542	0.168
Switzerland	Eastern Switzerland	0.310	0.598	0.741	0.431	0.790	0.799	0.808	0.018	0.894	0.896	0.897	0.003	0.137	0.299	0.519	0.381
Switzerland	Espace Mittelland	0.403	0.607	0.710	0.307	0.737	0.749	0.762	0.026	0.866	0.866	0.867	0.002	0.203	0.344	0.501	0.298
Switzerland	Lake Geneva Region	0.281	0.545	0.682	0.400	0.645	0.669	0.692	0.047	0.891	0.895	0.898	0.007	0.125	0.271	0.455	0.330
Switzerland	Northwestern Switzerland	0.379	0.610	0.743	0.363	0.789	0.804	0.819	0.030	0.926	0.926	0.927	0.001	0.180	0.305	0.482	0.302
Switzerland	Ticino	0.565	0.643	0.704	0.139	0.698	0.703	0.708	0.010	0.866	0.870	0.875	0.008	0.367	0.435	0.530	0.163
Switzerland	Zurich	0.303	0.589	0.750	0.447	0.771	0.804	0.835	0.064	0.939	0.941	0.943	0.004	0.133	0.269	0.474	0.341
UK	East Midlands	0.770	0.782	0.793	0.023	0.813	0.819	0.825	0.012	0.820	0.826	0.831	0.011	0.691	0.708	0.725	0.034

UK	East of England	0.779	0.795	0.808	0.029	0.908	0.908	0.908	0.000	0.847	0.852	0.856	0.008	0.638	0.649	0.662	0.024
UK	Greater London	0.748	0.767	0.785	0.037	0.805	0.814	0.824	0.019	0.919	0.921	0.922	0.003	0.595	0.602	0.608	0.012
UK	North East England	0.700	0.727	0.750	0.050	0.744	0.758	0.774	0.031	0.770	0.776	0.782	0.012	0.608	0.653	0.694	0.085
UK	North West England	0.713	0.729	0.742	0.029	0.764	0.771	0.779	0.015	0.785	0.791	0.797	0.012	0.616	0.634	0.652	0.036
UK	Northern Ireland	0.644	0.680	0.708	0.063	0.685	0.691	0.696	0.011	0.758	0.765	0.772	0.015	0.533	0.596	0.654	0.121
UK	Scotland	0.758	0.764	0.769	0.011	0.788	0.789	0.789	0.000	0.758	0.766	0.774	0.016	0.731	0.738	0.744	0.013
UK	South East England	0.822	0.835	0.846	0.024	0.918	0.920	0.923	0.004	0.892	0.895	0.898	0.005	0.694	0.705	0.717	0.023
UK	South West England	0.814	0.823	0.832	0.018	0.888	0.889	0.890	0.002	0.868	0.872	0.875	0.007	0.710	0.720	0.730	0.019
UK	Wales	0.751	0.766	0.781	0.030	0.785	0.796	0.809	0.024	0.786	0.789	0.794	0.008	0.691	0.716	0.740	0.049
UK	West Midlands	0.724	0.742	0.756	0.032	0.775	0.782	0.789	0.013	0.777	0.782	0.787	0.011	0.639	0.667	0.693	0.054
UK	Yorkshire and Humber	0.715	0.733	0.748	0.033	0.760	0.768	0.777	0.016	0.782	0.787	0.792	0.010	0.624	0.652	0.677	0.052

Notes: $\beta=-1$, $\beta=0$, and $\beta=1$ represent the composite well-being scores in each category when respective β parameters are used to aggregate well-being dimensions in each category. Δ columns represent the absolute composite score difference between composite scores obtained with $\beta=1$, $\beta=0$ and $\beta=-1$.

Table 3. Rankings based on overall, material, personal and community composite scores obtained with different β parameters																	
		Overall well-being ranks				Material well-being ranks				Personal well-being ranks				Community well-being ranks			
Country	Region	$\beta=-1$	$\beta=0$	$\beta=1$	Δ	$\beta=-1$	$\beta=0$	$\beta=1$	Δ	$\beta=-1$	$\beta=0$	$\beta=1$	Δ	$\beta=-1$	$\beta=0$	$\beta=1$	Δ
Austria	Burgenland	31	28	25	6	25	26	27	2	57	62	65	8	67	61	60	7
Austria	Carinthia	120	107	85	35	34	36	40	6	54	56	59	5	153	140	132	21
Austria	Lower Austria	56	43	40	16	24	24	24	0	75	80	88	13	96	85	75	21
Austria	Salzburg	36	32	28	8	29	29	29	0	14	15	17	3	85	84	85	1
Austria	Styria	30	31	33	3	30	31	32	2	42	43	48	6	64	63	65	2
Austria	Tyrol	54	55	62	8	42	41	39	3	43	42	45	3	87	93	101	14
Austria	Upper Austria	32	30	29	3	21	22	23	2	68	73	80	12	69	65	62	7
Austria	Vienna	106	109	116	10	89	89	89	0	70	72	73	3	127	134	140	13
Austria	Vorarlberg	64	52	44	20	15	14	14	1	44	45	49	5	118	117	116	2
Belgium	Brussels-Capital Region	141	144	140	4	143	135	132	11	120	132	139	19	172	165	153	19
Belgium	Flemish Region	86	71	61	25	31	30	30	1	41	41	41	0	128	127	118	10
Belgium	Wallonia	116	121	130	14	120	113	107	13	136	139	157	21	130	132	128	4
Czech Rep.	Central Bohemian	132	142	151	19	144	147	145	3	137	130	119	18	145	153	169	24
Czech Rep.	Central Moravia	142	154	163	21	155	155	156	1	130	126	116	14	163	173	203	40
Czech Rep.	Moravia-Silesia	184	186	172	14	158	159	165	7	159	154	145	14	209	206	190	19
Czech Rep.	Northeast	134	143	152	18	152	151	149	3	131	134	130	4	143	147	163	20
Czech Rep.	Northwest	150	162	181	31	157	158	159	2	190	189	186	4	169	178	204	35
Czech Rep.	Prague	133	140	143	10	138	136	134	4	37	28	21	16	161	170	194	33
Czech Rep.	Southeast	137	145	158	21	150	152	151	2	104	97	86	18	152	159	187	35
Czech Rep.	Southwest	130	136	142	12	149	149	146	3	128	125	118	10	139	138	144	6
Denmark	Capital (DK)	58	63	65	7	82	83	87	5	84	84	87	3	51	42	37	14
Denmark	Central Jutland	46	49	53	7	97	101	102	5	103	104	103	1	13	12	12	1
Denmark	Northern Jutland	39	41	43	4	83	81	82	2	126	136	142	16	5	5	5	0
Denmark	Southern Denmark	55	57	63	8	94	94	93	1	118	124	134	16	15	15	15	0
Denmark	Zealand	67	70	72	5	95	99	95	4	122	128	135	13	28	27	26	2
Estonia	Central Estonia	198	190	176	22	184	170	160	24	188	190	195	7	201	199	171	30
Estonia	North Estonia	183	183	149	34	161	161	157	4	102	83	69	33	194	194	156	38
Estonia	Northeast Estonia	212	212	207	5	206	207	202	5	203	200	190	13	210	210	198	12
Estonia	South Estonia	208	206	166	42	201	200	166	35	149	147	147	2	190	190	176	14
Estonia	West Estonia	181	180	147	34	199	199	164	35	169	170	173	4	119	110	99	20
Finland	Åland	102	68	39	63	9	9	8	1	117	123	132	15	134	111	70	64
Finland	Eastern and Northern	88	86	83	5	118	120	122	4	40	39	39	1	81	70	63	18
Finland	Helsinki-Uusimaa	15	15	18	3	52	56	60	8	7	7	7	0	33	34	35	2
Finland	Southern Finland	52	54	60	8	99	104	109	10	34	34	33	1	52	49	45	7

Finland	Western Finland	47	45	49	4	96	102	106	10	12	13	13	1	55	44	41	14
France	Alsace	95	96	97	2	91	100	103	12	50	55	57	7	109	100	91	18
France	Aquitaine	26	29	35	9	68	72	80	12	45	44	42	3	18	18	20	2
France	Auvergne	28	33	37	9	54	59	58	5	79	87	94	15	19	19	19	0
France	Brittany	14	18	20	6	50	53	56	6	59	60	63	4	16	16	16	0
France	Burgundy	63	69	79	16	86	84	90	6	95	100	104	9	54	56	57	3
France	Centre	45	51	59	14	72	71	75	4	83	85	89	6	36	36	36	0
France	Champagne-Ardenne	92	99	107	15	108	109	111	3	109	113	125	16	66	66	67	1
France	Corsica	180	177	144	36	137	140	144	7	114	112	117	5	193	193	150	43
France	Franche-Comté	40	46	54	14	87	90	94	7	46	46	46	0	37	40	42	5
France	Île-de-France	97	98	94	4	115	111	98	17	18	17	14	4	101	107	113	12
France	Languedoc-Roussillon	72	75	82	10	123	126	128	5	53	54	56	3	34	39	43	9
France	Limousin	17	21	23	6	58	61	64	6	76	78	84	8	10	10	11	1
France	Lorraine	78	93	103	25	112	114	118	6	78	86	96	18	61	62	68	7
France	Lower Normandy	41	50	55	14	64	66	69	5	111	111	124	13	21	20	18	3
France	Midi-Pyrénées	21	24	27	6	67	69	77	10	11	11	11	0	27	28	30	3
France	Nord-Pas-de-Calais	115	123	134	19	130	131	136	6	107	110	120	13	121	125	131	10
France	Pays de la Loire	22	25	31	9	65	68	71	6	28	31	32	4	23	25	24	2
France	Picardy	105	110	122	17	116	118	121	5	127	137	148	21	83	83	88	5
France	Poitou-Charentes	33	36	42	9	79	77	79	2	56	57	61	5	22	24	25	3
France	Alpes-Côte d'Azur	112	114	121	9	114	117	120	6	62	63	60	3	135	136	135	1
France	Rhône-Alpes	53	59	67	14	70	73	83	13	29	29	27	2	65	69	79	14
France	Upper Normandy	71	77	93	22	113	115	119	6	85	90	99	14	47	51	51	4
Germany	Baden-Württemberg	27	16	15	12	2	2	2	0	17	18	19	2	102	99	96	6
Germany	Bavaria	18	14	9	9	1	1	1	0	20	22	24	4	92	94	94	2
Germany	Berlin	80	87	96	16	53	57	59	6	35	36	35	1	117	124	134	17
Germany	Brandenburg	90	92	90	2	26	25	25	1	55	52	50	5	133	137	147	14
Germany	Bremen	75	79	84	9	16	15	15	1	91	96	97	6	123	133	142	19
Germany	Hamburg	42	39	38	4	8	8	9	1	27	26	25	2	110	115	124	14
Germany	Hesse	29	27	24	5	5	5	5	0	26	30	31	5	91	98	108	17
Germany	Lower Saxony	35	35	34	1	6	6	7	1	52	51	52	1	89	97	107	18
Germany	Mecklenburg-Vorpommern	66	66	66	0	44	44	44	0	73	70	71	3	88	86	89	3
Germany	North Rhine-Westphalia	50	47	47	3	17	18	19	2	64	67	70	6	104	103	104	1
Germany	Rhineland-Palatinate	24	19	16	8	3	3	3	0	49	50	55	6	86	87	90	4
Germany	Saarland	59	65	69	10	22	23	22	1	77	76	76	1	105	114	125	20
Germany	Saxony	43	42	41	2	27	28	28	1	24	20	18	6	95	102	109	14
Germany	Saxony-Anhalt	96	94	87	9	35	34	34	1	66	58	51	15	125	135	141	16

Germany	Schleswig-Holstein	34	34	32	2	4	4	4	0	48	47	44	4	94	108	120	26
Germany	Thuringia	49	48	50	2	28	27	26	2	32	27	23	9	100	109	123	23
Greece	Attica	188	184	170	18	168	167	178	11	96	103	108	12	196	196	173	23
Greece	Central Greece	204	207	212	8	190	192	198	8	171	174	182	11	211	212	212	1
Greece	Central Macedonia	203	199	203	4	212	212	211	1	152	163	179	27	155	158	180	25
Greece	Crete	202	200	195	7	189	193	203	14	163	164	170	7	199	201	186	15
Greece	East Macedonia - Thrace	177	181	213	36	197	196	206	10	200	204	207	7	159	172	197	38
Greece	Epirus	201	203	206	5	188	191	200	12	158	161	166	8	206	209	207	3
Greece	Ionian Islands	210	211	210	1	204	204	194	10	174	179	192	18	212	211	211	1
Greece	North Aegean	207	205	187	20	195	195	193	2	141	144	153	12	202	202	192	10
Greece	Peloponnese	200	201	205	5	187	190	199	12	173	176	185	12	203	203	195	8
Greece	South Aegean	193	193	189	4	177	181	187	10	147	156	160	13	205	205	201	4
Greece	Thessaly	194	196	204	10	210	210	208	2	164	172	183	19	156	160	182	26
Greece	West Greece	213	213	208	5	213	213	212	1	176	184	196	20	197	197	177	20
Greece	West Macedonia	176	178	196	20	196	198	210	14	179	188	197	18	144	149	162	18
Hungary	Central Hungary	145	152	161	16	163	163	168	5	157	148	136	21	142	143	157	15
Hungary	Central Transdanubia	154	159	167	13	169	173	175	6	196	195	193	3	138	139	146	8
Hungary	Northern Great Plain	178	179	199	21	198	197	209	12	198	202	204	6	147	150	159	12
Hungary	Northern Hungary	175	175	197	22	194	194	201	7	207	206	206	1	141	141	152	11
Hungary	Southern Great Plain	170	173	202	32	192	189	190	3	195	197	201	6	157	164	189	32
Hungary	Southern Transdanubia	166	170	191	25	185	184	182	3	201	201	200	1	150	157	179	29
Hungary	Western Transdanubia	153	158	169	16	170	169	170	1	191	186	176	15	140	142	158	18
Iceland	Capital Region	48	38	30	18	121	119	116	5	61	53	43	18	7	7	7	0
Iceland	Other Regions	85	67	48	37	119	116	112	7	155	145	131	24	4	4	4	0
Ireland	Border, Midland & Western	108	112	118	10	111	107	96	15	115	120	133	18	122	116	110	12
Ireland	Southern and Eastern	76	85	95	19	75	74	73	2	71	74	82	11	90	92	92	2
Italy	Abruzzo	110	116	126	16	133	137	141	8	140	140	143	3	44	50	52	8
Italy	Aosta Valley	121	119	124	5	78	76	78	2	178	173	171	7	136	129	105	31
Italy	Apulia	151	150	154	4	173	166	172	7	187	185	180	7	78	88	98	20
Italy	Basilicata	127	134	138	11	151	154	161	10	162	165	172	10	59	58	54	5
Italy	Calabria	171	167	175	8	193	187	173	20	172	175	181	9	148	152	165	17
Italy	Campania	156	155	171	16	178	178	183	5	183	191	199	16	114	121	137	23
Italy	Emilia-Romagna	98	90	76	22	57	60	61	4	125	118	109	16	107	89	76	31
Italy	Friuli-Venezia Giulia	128	117	111	17	48	49	53	5	121	121	122	1	160	144	133	27
Italy	Lazio	93	100	108	15	122	125	127	5	105	105	102	3	46	52	56	10
Italy	Liguria	101	102	109	8	81	79	76	5	143	150	158	15	71	68	71	3
Italy	Lombardy	179	174	123	56	80	82	85	5	134	129	123	11	192	192	139	53

Italy	Marche	70	72	71	2	105	112	117	12	138	135	128	10	17	17	17	0
Italy	Molise	124	127	132	8	146	148	150	4	156	158	161	5	41	41	40	1
Italy	Piedmont	148	135	131	17	98	103	105	7	148	152	155	7	181	163	138	43
Italy	Bolzano-Bozen	99	81	68	31	61	54	48	13	110	106	93	17	113	91	72	41
Italy	Trento	74	80	86	12	88	93	97	9	89	82	78	11	74	73	74	1
Italy	Sardinia	136	139	141	5	154	153	153	1	194	193	178	16	70	76	82	12
Italy	Sicily	196	192	184	12	183	175	171	12	189	192	198	9	198	198	174	24
Italy	Tuscany	84	88	92	8	84	87	92	8	144	142	138	6	45	47	47	2
Italy	Umbria	83	97	106	23	117	121	124	7	116	114	115	2	42	46	50	8
Italy	Veneto	135	125	113	22	74	80	88	14	135	133	126	9	170	148	112	58
Luxembourg	Luxembourg	9	7	6	3	32	32	31	1	13	12	12	1	32	29	29	3
Netherlands	Drenthe	61	53	52	9	104	91	72	32	87	81	75	12	29	31	32	3
Netherlands	Flevoland	104	108	119	15	107	108	108	1	82	79	79	3	111	118	130	19
Netherlands	Friesland	65	61	56	9	103	92	74	29	100	98	90	10	30	32	33	3
Netherlands	Gelderland	100	101	105	5	73	67	66	7	72	68	64	8	116	119	126	10
Netherlands	Groningen	91	84	80	11	125	123	115	10	93	93	91	2	48	48	46	2
Netherlands	Limburg	103	103	104	1	63	63	63	0	98	95	85	13	124	120	122	4
Netherlands	North Brabant	77	76	74	3	56	51	50	6	81	75	72	9	103	101	102	2
Netherlands	North Holland	57	56	58	2	47	47	49	2	51	48	47	4	84	82	83	2
Netherlands	Overijssel	87	95	102	15	102	95	86	16	80	77	74	6	80	90	100	20
Netherlands	South Holland	69	73	73	4	66	65	67	2	74	69	68	6	82	81	86	5
Netherlands	Utrecht	20	22	22	2	37	37	41	4	33	32	28	5	50	53	49	4
Netherlands	Zeeland	111	105	100	11	69	64	62	7	101	91	81	20	137	131	115	22
Norway	Agder and Rogaland	2	2	2	0	11	10	10	1	47	49	54	7	9	9	9	0
Norway	Hedmark and Oppland	4	5	5	1	18	17	18	1	94	102	106	12	11	11	10	1
Norway	Northern Norway	8	9	10	2	13	13	13	0	65	66	67	2	31	30	31	1
Norway	Oslo and Akershus	1	1	1	0	23	19	16	7	5	5	5	0	12	13	14	2
Norway	South-Eastern Norway	6	8	11	5	19	20	21	2	63	65	66	3	26	26	27	1
Norway	Trøndelag	3	3	3	0	20	21	20	1	31	35	36	5	8	8	8	0
Norway	Western Norway	5	4	4	1	12	12	12	0	16	16	16	0	49	43	44	6
Poland	Dolnoslaskie	157	166	185	28	162	165	179	17	153	151	149	4	177	180	199	22
Poland	Kujawsko-Pomorskie	206	202	194	12	208	208	205	3	160	159	159	1	188	187	191	4
Poland	Lódzkie	164	171	193	29	174	168	167	7	193	194	189	5	174	184	210	36
Poland	Lubelskie	167	172	188	21	182	185	180	5	151	153	154	3	179	185	208	29
Poland	Lubuskie	199	208	211	12	180	183	188	8	181	178	177	4	213	213	213	0
Poland	Malopolskie	185	187	179	8	205	205	192	13	119	117	114	5	164	167	178	14
Poland	Mazowieckie	140	149	160	20	156	157	154	3	133	127	121	12	149	154	175	26

Poland	Opolskie	191	191	183	8	166	174	185	19	145	146	140	6	208	207	193	15
Poland	Podkarpackie	197	195	178	19	211	211	213	2	113	109	105	8	168	161	155	13
Poland	Podlaskie	168	169	177	9	172	182	186	14	139	138	141	3	185	181	168	17
Poland	Pomorskie	159	161	165	6	176	180	184	8	123	116	107	16	162	156	167	11
Poland	Slaskie	160	168	186	26	171	171	177	6	175	171	163	12	167	179	206	39
Poland	Swietokrzyskie	205	204	200	5	207	206	191	16	161	162	164	3	187	188	209	22
Poland	Warminsko-Mazurskie	211	210	198	13	209	209	207	2	182	183	187	5	195	195	172	23
Poland	Wielkopolskie	161	165	174	13	175	176	181	6	146	143	137	9	171	171	170	1
Poland	Zachodniopomorskie	172	176	201	29	179	186	195	16	166	169	169	3	189	189	205	16
Portugal	Alentejo	163	153	156	10	129	130	133	4	209	209	211	2	129	128	121	8
Portugal	Algarve	162	164	168	6	126	127	129	3	206	208	208	2	182	186	188	6
Portugal	Azores	209	209	164	45	135	139	143	8	213	213	213	0	191	191	127	64
Portugal	Central Portugal	174	163	157	17	124	122	114	10	211	211	210	1	146	145	149	4
Portugal	Lisbon	119	126	136	17	109	110	110	1	180	180	184	4	126	130	129	4
Portugal	Madeira	187	185	173	14	136	142	148	12	212	212	212	0	175	155	143	32
Portugal	North	173	160	155	18	140	141	142	2	210	210	209	1	131	122	111	20
Slovakia	Bratislava Region	144	148	150	6	153	143	130	23	129	122	113	16	166	177	202	36
Slovakia	Central Slovakia	190	194	192	4	165	172	189	24	184	177	165	19	207	208	200	8
Slovakia	East Slovakia	195	198	190	8	181	188	204	23	177	166	156	21	200	200	185	15
Slovakia	West Slovakia	186	188	180	8	160	164	176	16	167	160	151	16	204	204	196	8
Slovenia	Eastern Slovenia	147	151	162	15	145	150	155	10	112	115	127	15	176	175	181	6
Slovenia	Western Slovenia	131	141	148	17	141	145	147	6	23	24	29	6	158	162	183	25
Spain	Andalusia	182	182	153	29	200	201	169	32	204	203	202	2	63	64	69	6
Spain	Aragon	113	113	112	1	131	129	125	6	150	149	150	1	56	55	55	1
Spain	Asturias	125	124	129	5	148	144	139	9	142	141	146	5	79	71	66	13
Spain	Balearic Islands	126	130	135	9	134	133	135	2	192	187	168	24	97	95	93	4
Spain	Basque Country	68	58	46	22	106	86	65	41	99	94	83	16	40	33	28	12
Spain	Canary Islands	165	156	159	9	186	179	174	12	197	196	188	9	120	113	103	17
Spain	Cantabria	114	115	120	6	139	138	138	1	132	131	129	3	53	54	53	1
Spain	Castile and León	122	122	125	3	142	134	131	11	170	167	162	8	57	57	58	1
Spain	Castile-La Mancha	149	146	139	10	167	162	158	9	199	198	194	5	43	45	48	5
Spain	Catalonia	117	120	128	11	132	132	137	5	165	157	144	21	72	74	80	8
Spain	Ceuta	192	197	209	17	203	203	196	7	205	205	203	2	165	169	184	19
Spain	Extremadura	169	157	146	23	191	177	162	29	208	207	205	3	39	38	38	1
Spain	Galicia	129	133	133	4	147	146	140	7	186	182	175	11	93	79	64	29
Spain	La Rioja	107	106	110	4	127	124	123	4	154	155	152	3	38	35	34	4
Spain	Madrid	89	82	78	11	128	128	126	2	69	64	53	16	35	37	39	4

Spain	Melilla	189	189	182	7	202	202	197	5	168	168	167	1	173	166	164	9
Spain	Murcia	146	147	145	2	164	160	163	4	202	199	191	11	73	72	77	5
Spain	Navarra	82	78	75	7	100	85	68	32	124	119	111	13	60	60	61	1
Spain	Valencia	138	137	137	1	159	156	152	7	185	181	174	11	58	59	59	1
Sweden	Central Norrland	11	12	13	2	77	75	81	6	58	59	62	4	2	2	2	0
Sweden	East Middle Sweden	25	26	26	1	90	96	99	9	25	25	30	5	14	14	13	1
Sweden	North Middle Sweden	19	20	19	1	92	97	100	8	67	71	77	10	3	3	3	0
Sweden	Småland with Islands	7	6	7	1	55	55	55	0	36	37	38	2	6	6	6	0
Sweden	South Sweden	37	40	45	8	101	105	113	12	30	33	34	4	20	21	21	1
Sweden	Stockholm	12	11	12	1	60	52	47	13	6	6	6	0	24	22	23	2
Sweden	Upper Norrland	10	10	8	2	76	78	84	8	38	40	40	2	1	1	1	0
Sweden	West Sweden	23	23	21	2	71	70	70	1	15	14	15	1	25	23	22	3
Switzerland	Central Switzerland	118	104	77	41	39	38	37	2	4	4	4	0	151	146	145	6
Switzerland	Eastern Switzerland	152	131	101	51	38	42	43	5	8	8	10	2	183	176	151	32
Switzerland	Espace Mittelland	139	129	114	25	62	62	57	5	22	23	26	4	178	168	154	24
Switzerland	Lake Geneva Region	158	138	127	31	110	106	104	6	10	10	8	2	186	182	166	20
Switzerland	Northwestern Switzerland	143	128	98	45	40	39	38	2	2	2	2	0	180	174	160	20
Switzerland	Ticino	123	118	117	6	85	88	91	6	21	21	22	1	154	151	148	6
Switzerland	Zurich	155	132	88	67	46	40	33	13	1	1	1	0	184	183	161	23
UK	East Midlands	44	44	51	7	33	33	35	2	60	61	58	3	76	78	84	8
UK	East of England	38	37	36	2	10	11	11	1	39	38	37	2	99	106	114	15
UK	Greater London	62	60	57	5	36	35	36	1	3	3	3	0	115	123	136	21
UK	North East England	94	91	89	5	59	58	54	5	97	101	101	4	112	104	95	17
UK	North West England	81	89	99	18	49	48	51	3	88	88	92	4	108	112	119	11
UK	Northern Ireland	109	111	115	6	93	98	101	8	108	108	112	4	132	126	117	15
UK	Scotland	51	64	70	19	41	45	45	4	106	107	110	4	62	67	73	11
UK	South East England	13	13	14	1	7	7	6	1	9	9	9	0	75	80	87	12
UK	South West England	16	17	17	1	14	16	17	3	19	19	20	1	68	75	81	13
UK	Wales	60	62	64	4	43	43	42	1	86	89	95	9	77	77	78	1
UK	West Midlands	73	74	81	8	45	46	46	1	92	99	100	8	98	96	97	2
UK	Yorkshire and Humber	79	83	91	12	51	50	52	2	90	92	98	8	106	105	106	1

Notes: $\beta=-1$, $\beta=0$, and $\beta=1$ represent the rankings in each category when respective β parameters are used to aggregate well-being dimensions in each category. Δ columns represent the absolute ranking difference between rankings of composite indices obtained with $\beta=1$, $\beta=0$ and $\beta=-1$.

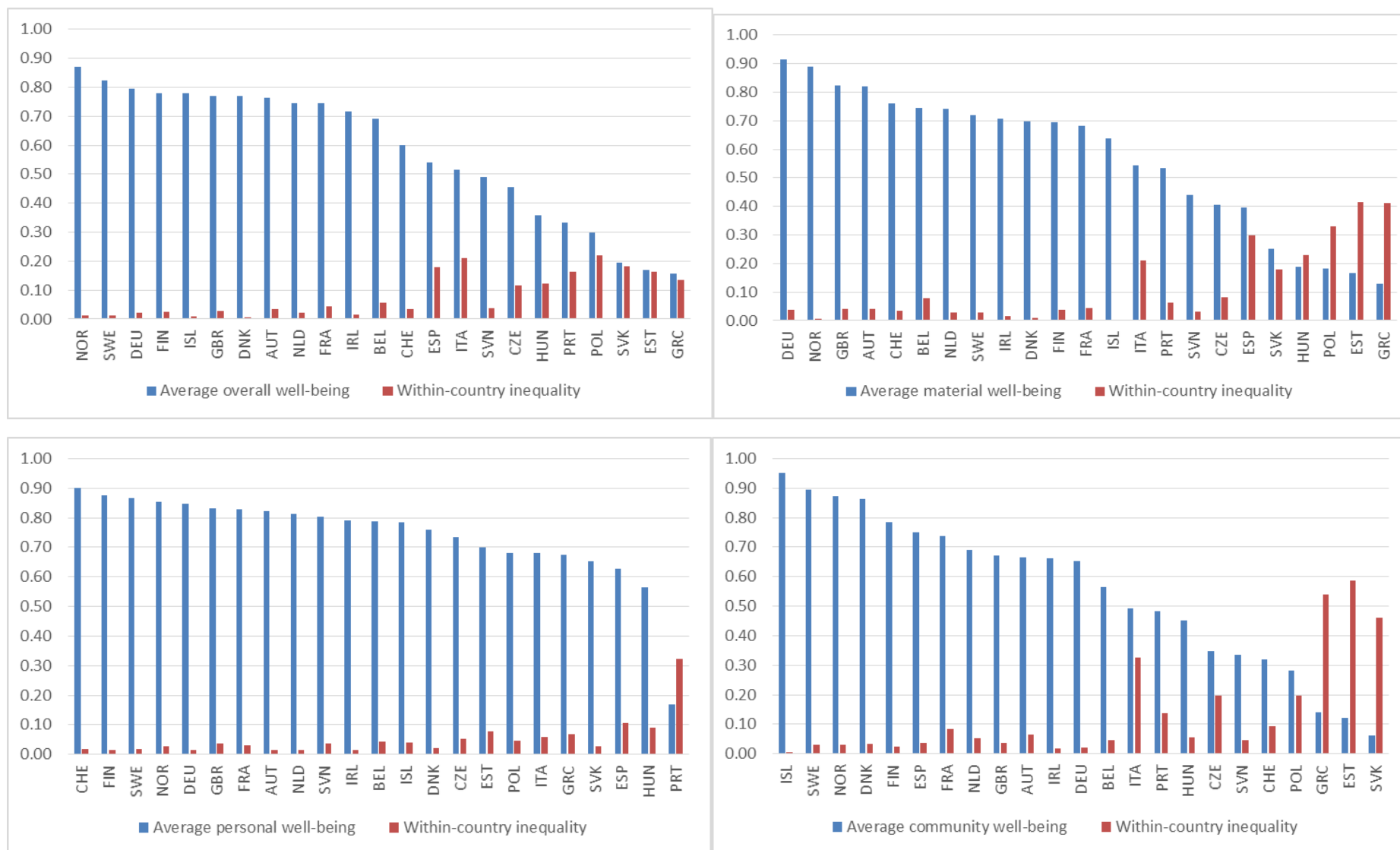


Figure 1. Average well-being and within-country inequality in different multidimensional well-being categories when $\beta=0$

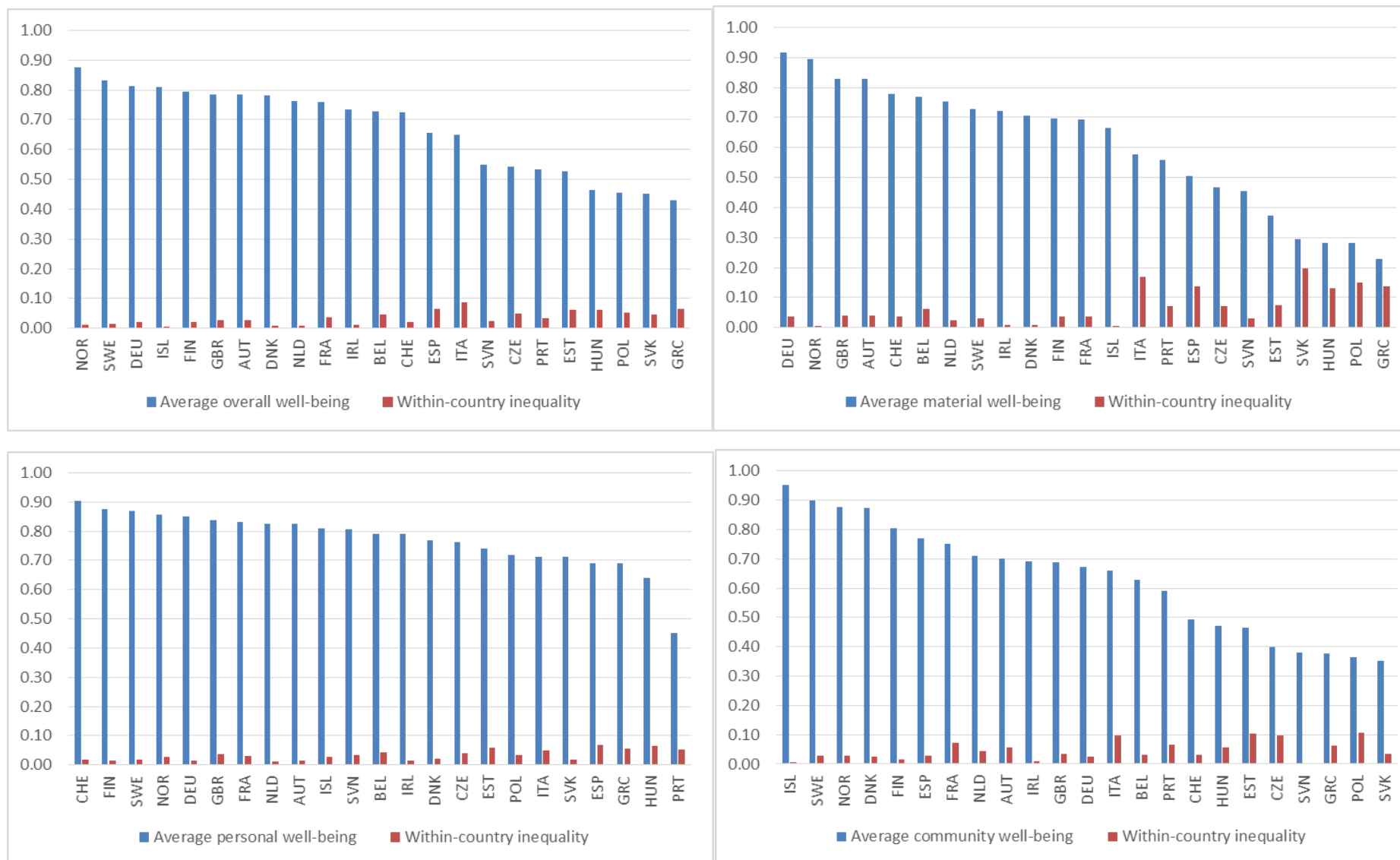


Figure 2. Average well-being and within-country inequality in different multidimensional well-being categories when $\beta=1$