

Measuring regional differences in food security from access and stability dimensions: A methodological proposal based on elasticities

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Electronic supplementary material

Supplementary Tables S1–S2

Region	Product	Price elasticity								Expenditure		
		dairy products	eggs	liquid milk	fish	chicken	turkey	beef	sheep	pork	elasticity	type of good
Andalucía	dairy products	-1.8895	0.2134	0.3834	0.8175	0.2955	-0.0314	-0.0429	-0.0047	0.0698	0.1891	necessity
	eggs	1.4637	-0.0973	-0.8281	-1.4201	0.0265	0.1613	-0.3373	0.0124	0.9445	0.0744	necessity
	liquid milk	0.8629	-0.2778	-0.3278	-0.6762	-0.3068	-0.1316	0.0402	-0.0212	0.6616	0.1768	necessity
	fish	0.4036	-0.1521	-0.2408	-1.3078	0.0327	0.1412	0.0511	-0.0182	0.2891	0.8012	necessity
	chicken	0.5520	-0.0069	-0.3316	0.1573	-0.5300	-0.0040	-0.1134	-0.0640	-0.3018	0.6425	necessity
	turkey	-0.9166	0.4614	-1.3489	4.4885	-0.1188	-0.9306	-0.2741	0.6576	-3.6027	1.5842	luxury
	beef	-0.3116	-0.2099	-0.0031	0.2335	-0.2275	-0.0432	0.3698	0.0199	-0.8553	1.0275	luxury
	sheep	-0.3812	-0.0276	-0.2629	-0.6945	-0.4850	0.3887	0.0220	0.3215	-0.8307	1.9498	luxury
pork	-0.3151	0.0409	0.0432	-0.0787	-0.2291	-0.1250	-0.2194	-0.0497	-1.2471	2.1800	luxury	
Aragón	dairy products	-0.6231	0.0859	0.0415	-0.5085	0.3409	-0.1714	0.6186	-0.1156	0.1258	0.2058	necessity
	eggs	0.4933	-0.0620	-0.1619	0.7720	-0.4257	0.0124	-0.8673	-0.4623	0.3073	0.3942	necessity
	liquid milk	0.0293	-0.0540	-0.1408	0.2617	-0.5951	0.0546	0.0524	-0.0752	-0.0892	0.5564	necessity
	fish	-0.3718	0.0460	0.0276	0.2076	-0.2379	-0.0221	-0.0398	0.0225	-0.7346	1.1024	luxury
	chicken	0.4795	-0.1313	-0.5641	-0.7747	0.0953	0.2099	-0.5254	-0.3733	0.6686	0.9155	necessity
	turkey	-2.1029	0.0067	0.2928	-0.5319	1.4088	-0.2940	-0.4520	-0.8538	1.3911	1.1353	luxury
	beef	1.1123	-0.2860	0.0364	-0.0698	-0.5882	-0.0716	-1.3219	0.1364	0.2586	0.7938	necessity
	sheep	-0.4514	-0.1833	-0.1724	-0.1137	-0.5076	-0.1541	0.0653	-0.7762	0.4708	1.8226	luxury
pork	-0.0895	0.0065	-0.0867	-0.9286	0.1864	0.0656	0.0347	0.1675	-0.7223	1.3664	luxury	
Asturias	dairy products	-0.8705	0.0939	0.5516	0.0879	0.0076	0.0158	0.0293	0.1043	0.0558	-0.0758	inferior
	eggs	0.5111	0.1508	-0.4564	0.4562	0.1639	-0.2781	-0.4512	-0.7542	-0.0075	0.6654	necessity
	liquid milk	1.0739	-0.1384	-0.6509	0.2245	-0.1214	-0.0733	-0.2502	-0.2711	-0.2724	0.4794	necessity
	fish	-0.1309	0.0294	0.0177	-0.4713	0.0471	0.0160	-0.0143	0.0252	-0.5338	1.0150	luxury
	chicken	-0.1171	0.0613	-0.1713	0.2961	-0.6584	0.1471	-0.9647	0.0440	0.6094	0.7536	necessity
	turkey	0.3635	-1.1644	-0.9813	0.9787	1.6200	-0.2669	-2.8958	1.2307	0.6783	0.4374	necessity
	beef	-0.2471	-0.1186	-0.2594	-0.2286	-0.5774	-0.1506	1.1961	-0.5490	-0.7348	1.6694	luxury
	sheep	0.2784	-0.8847	-1.1426	-0.2288	-0.0122	0.3072	-3.0453	0.8417	0.9645	2.9217	luxury
pork	-0.2238	-0.0218	-0.1748	-0.8383	0.1202	0.0110	-0.3611	0.1252	-0.1599	1.5234	luxury	

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Continuation Table S1.

Region	Product	Price elasticity							Expenditure			
		dairy products	eggs	liquid milk	fish	chicken	turkey	beef	sheep	pork	elasticity	type of good
Balears	dairy products	-1.6355	0.0083	0.1839	0.0965	0.2530	-0.0740	0.2388	0.3027	-0.1101	0.7364	necessity
	eggs	0.0827	0.2790	-0.8018	0.0441	-0.3673	0.3466	0.3479	-0.1672	-0.4677	0.7038	necessity
	liquid milk	0.5676	-0.2538	-0.2042	-0.4780	-0.0548	-0.2077	-0.0510	0.1411	-0.0459	0.5869	necessity
	fish	0.0474	-0.0012	-0.1874	-0.5381	-0.1014	0.0652	0.0434	-0.1164	-0.1464	0.9347	necessity
	chicken	0.5063	-0.1079	-0.0898	-0.3004	-0.6809	-0.0801	0.0234	-0.1252	-0.2936	1.1482	luxury
	turkey	-2.6458	1.0798	-2.2878	1.5634	-1.1486	-0.3859	0.7285	0.1454	0.2276	2.7234	luxury
	beef	0.7595	0.1225	-0.0768	0.1723	0.0634	0.0955	-1.0115	-0.1398	-0.8132	0.8282	necessity
	sheep	2.5953	-0.1381	0.4279	-0.8082	-0.3384	0.0599	-0.3050	-1.5064	-0.1928	0.2057	necessity
	pork	-0.3082	-0.0766	-0.0949	-0.3107	-0.1710	0.0172	-0.3148	-0.0635	-0.2430	1.5654	luxury
Canarias	dairy products	-1.2387	0.1057	0.3102	0.0028	-0.0316	-0.1350	0.3670	0.1420	-0.1323	0.6100	necessity
	eggs	0.9178	0.1841	-0.3736	-0.3069	-0.0245	0.0687	-0.9193	0.0297	-0.3005	0.7245	necessity
	liquid milk	1.0262	-0.1274	-0.8758	0.1060	-0.2888	0.0416	-0.2662	0.0502	-0.1757	0.5098	necessity
	fish	-0.0530	-0.0412	0.0111	-0.4558	0.0125	0.0560	-0.2307	-0.0546	-0.0584	0.8141	necessity
	chicken	-0.4005	-0.0371	-0.5342	-0.1092	0.0303	0.0321	-0.6762	-0.3289	0.5345	1.4891	luxury
	turkey	-4.1702	0.1762	0.2370	1.1095	0.1524	-1.1936	1.2386	-0.1336	0.5981	1.9855	luxury
	beef	0.9196	-0.3251	-0.3147	-0.7306	-0.3937	0.1396	-1.0841	0.0253	0.4825	1.2813	luxury
	sheep	5.2924	0.1167	0.5494	-1.9002	-2.4702	-0.1719	0.3428	0.3476	-3.1385	1.0320	luxury
	pork	-0.4802	-0.0756	-0.1761	-0.2870	0.1339	0.0319	0.1810	-0.1174	-0.9091	1.6985	luxury
Cantabria	dairy products	-0.9176	0.0181	0.3535	0.5712	0.2603	-0.0347	0.3618	-0.3529	-0.1719	-0.0878	inferior
	eggs	0.0364	0.0042	-0.2877	-0.2290	0.8817	-0.0868	0.1323	-0.2916	-0.4868	0.3274	necessity
	liquid milk	0.6121	-0.1047	-0.3781	-0.6520	-0.1972	0.1402	-0.6937	-0.0530	0.8884	0.4379	necessity
	fish	0.0629	-0.0491	-0.2380	-1.4882	-0.1348	0.0264	-0.3504	0.0771	0.7451	1.3490	luxury
	chicken	0.3684	0.3251	-0.2863	-0.5652	-0.5455	0.0840	-0.2199	-0.0958	-0.3142	1.2493	luxury
	turkey	-0.7486	-0.3273	1.6046	1.6165	0.9262	-2.4718	2.3716	-1.2020	-1.6234	-0.1457	inferior
	beef	0.1927	-0.0030	-0.5013	-0.8669	-0.1326	0.1182	-1.6310	-0.0452	1.4178	1.4512	luxury
	sheep	-3.2255	-0.4809	-0.3820	0.8595	-0.4368	-0.4593	-0.4452	0.7306	1.2924	2.5472	luxury
	pork	-0.3200	-0.0895	0.2932	1.2131	-0.1004	-0.0662	0.9556	0.1518	-3.1637	1.1262	luxury

Region	Product	Price elasticity								Expenditure		
		dairy products	eggs	liquid milk	fish	chicken	turkey	beef	sheep	pork	elasticity	type of good
Castilla la Mancha	dairy products	-1.3500	0.1093	0.2775	-0.3859	0.3231	-0.0294	0.6799	-0.1373	0.1892	0.3237	necessity
	eggs	0.6171	0.1795	-0.3142	-0.4457	-0.1144	0.3331	-0.5431	-0.0236	0.2446	0.0667	necessity
	liquid milk	0.4620	-0.0926	-0.3735	-0.0607	-0.0904	-0.0901	0.3064	0.2085	-0.3706	0.1011	necessity
	fish	-0.3397	-0.0762	-0.1364	0.3152	-0.3915	0.0598	-0.2487	-0.2561	-0.3250	1.3988	luxury
	chicken	0.4951	-0.0534	-0.1533	-1.1589	-0.0428	0.2614	-0.1593	-0.2627	0.3695	0.7044	necessity
	turkey	-0.7859	1.2787	-1.3488	2.5321	3.1702	-1.5200	-0.2060	-0.5816	-4.0580	1.5193	luxury
	beef	1.4942	-0.2532	0.3907	-0.9895	-0.2219	-0.0176	-0.7037	-0.2564	-0.2284	0.7858	necessity
	sheep	-0.4491	-0.0267	0.3630	-1.3424	-0.4562	-0.0772	-0.3244	0.6620	1.0802	0.5708	necessity
	pork	-0.0685	-0.0140	-0.2593	-0.4000	0.0485	-0.1045	-0.1001	0.1484	-0.7920	1.5415	luxury
Castilla y León	dairy products	-1.1784	0.2521	0.2717	-0.2781	0.0619	-0.2538	1.0681	0.2038	-0.0836	-0.0637	inferior
	eggs	1.2259	-0.1099	-0.3040	-0.1761	-0.2743	0.1242	-0.6200	-0.1763	-0.1297	0.4402	necessity
	liquid milk	0.3438	-0.0825	0.0177	0.2400	-0.4577	-0.0675	-0.1177	-0.0030	-0.1883	0.3152	necessity
	fish	-0.2549	-0.0291	0.0072	0.2618	-0.4005	0.0108	-0.2256	0.0147	-0.4233	1.0390	luxury
	chicken	0.0274	-0.1079	-0.6375	-1.7083	0.5750	0.2835	0.6765	-0.1839	0.4125	0.6627	necessity
	turkey	-4.4882	0.4099	-0.8519	0.5086	2.5504	-0.5605	4.4823	-0.9944	-1.8716	0.8153	necessity
	beef	1.0354	-0.1663	-0.1987	-0.7613	0.3529	0.2948	-2.9298	-0.5445	1.4022	1.5152	luxury
	sheep	0.2786	-0.1241	-0.1426	-0.1644	-0.3279	-0.1559	-1.2526	-0.5833	0.5788	1.8933	luxury
	pork	-0.2404	-0.0395	-0.1726	-0.6724	0.0595	-0.0625	0.6454	0.1385	-1.1593	1.5034	luxury
Cataluña	dairy products	-1.5569	0.0439	0.6048	0.1912	0.0124	-0.1089	0.7182	0.6138	-0.7040	0.1857	necessity
	eggs	0.3145	0.0619	-0.1219	-0.1177	-0.3928	0.2112	-0.1454	-0.4340	0.2889	0.3354	necessity
	liquid milk	1.5416	-0.0455	-0.6417	-0.3597	-0.2045	-0.0313	-0.3140	-0.5199	0.0609	0.5142	necessity
	fish	-0.0096	-0.0213	-0.1047	-0.4254	-0.0098	0.0648	-0.3383	-0.2467	0.1988	0.8923	necessity
	chicken	-0.1386	-0.1338	-0.2183	-0.1146	-0.7303	0.0165	-0.0274	0.2082	-0.0141	1.1524	luxury
	turkey	-2.1272	0.4292	-0.2856	1.6011	0.0729	0.1360	-0.4735	-0.1238	-1.0361	1.8070	luxury
	beef	1.2505	-0.0602	-0.2938	-1.2940	-0.0384	-0.0516	-0.7510	-0.6523	0.5504	1.3405	luxury
	sheep	2.6379	-0.2828	-0.9691	-2.0920	0.4051	-0.0296	-1.5020	-2.0825	2.5271	1.3878	luxury
pork	-0.7648	-0.0023	-0.0577	0.0220	-0.0424	-0.0428	0.1712	0.3860	-1.3233	1.6540	luxury	

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Continuation Table S1.

Region	Product	Price elasticity							Expenditure			
		dairy products	eggs	liquid milk	fish	chicken	turkey	beef	sheep	pork	elasticity	type of good
Extrema-dura	dairy products	-0.6579	0.1473	0.2029	0.2702	0.0922	-0.0517	-0.1480	0.0958	-0.0897	0.1389	necessity
	eggs	0.8575	0.3915	0.1921	-1.8804	-0.2417	-0.0495	0.0448	-0.8149	1.1888	0.3117	necessity
	liquid milk	0.3070	0.0530	0.0194	-0.1176	-0.4602	-0.0827	-0.1799	-0.2367	0.3884	0.3092	necessity
	fish	0.0159	-0.2364	-0.1318	-0.7220	0.1893	0.0809	-0.0505	-0.1722	-0.0587	1.0855	luxury
	chicken	0.1510	-0.1017	-0.6822	0.8053	-0.4978	0.1363	-0.0070	0.1538	-0.4806	0.5228	necessity
	turkey	-1.6915	-0.2636	-1.5896	3.9265	1.8245	-0.8451	1.4266	1.2791	-4.4794	0.4125	necessity
	beef	-0.7556	0.0206	-0.5206	-0.2292	-0.0277	0.1962	1.9788	-0.1506	-1.2315	0.7196	necessity
	sheep	0.4919	-0.8723	-0.9564	-1.5209	0.3900	0.2538	-0.2202	-1.7288	3.3701	0.7926	necessity
	pork	-0.3965	0.0776	-0.0327	-0.3026	-0.2447	-0.1011	-0.2355	0.3111	-1.1065	2.0309	luxury
	dairy products	-1.0876	0.2375	0.4002	-0.5154	0.3224	-0.1302	0.6240	0.3159	-0.1358	-0.0311	inferior
Galicia	eggs	1.2778	-0.3746	-0.4773	0.2600	-0.4107	0.4791	-0.7271	-0.8042	0.4148	0.3622	necessity
	liquid milk	0.6719	-0.1565	-0.2771	0.2760	-0.2841	-0.0394	-0.3335	-0.1434	-0.1040	0.3900	necessity
	fish	-0.4245	0.0011	0.0098	-0.4668	-0.0659	0.0166	-0.1835	-0.0746	0.0309	1.1569	luxury
	chicken	0.7509	-0.1895	-0.4020	-0.1365	0.1305	0.1581	-0.8326	0.0001	0.0560	0.4650	necessity
	turkey	-3.4360	2.1137	-0.5975	0.8753	1.5103	-1.1108	-0.2969	0.2474	-0.4314	1.1258	luxury
	beef	0.5886	-0.1758	-0.2770	-0.4428	-0.4306	-0.0141	-0.1465	-0.6962	0.5035	1.0909	luxury
	sheep	1.5181	-0.8565	-0.5676	-1.1151	-0.0828	0.0518	-3.3801	-0.2504	2.7950	1.8876	luxury
	pork	-0.3606	0.0131	-0.1504	-0.1455	-0.0609	-0.0155	0.2003	0.3369	-1.5833	1.7659	luxury
	dairy products	-0.5713	0.1767	-0.3141	-0.1643	-0.3305	0.0195	0.1068	0.1156	0.6850	0.2767	necessity
	eggs	0.9434	-0.2774	-0.3090	-0.0506	0.4946	0.1354	-0.2628	-0.5845	-0.2255	0.1365	necessity
La Rioja	liquid milk	-0.5506	-0.1075	-0.0018	0.5854	0.1955	0.1016	-0.0624	-0.1020	-0.2763	0.2181	necessity
	fish	-0.1566	-0.0229	0.1190	-0.8882	-0.0113	0.0071	0.2520	-0.1283	0.0355	0.7936	necessity
	chicken	-0.7032	0.1456	0.1318	-0.1094	-0.5561	-0.1611	0.3296	0.1554	-0.2687	1.0362	luxury
	turkey	0.0937	0.2740	0.5884	0.0457	-1.0632	-1.6545	0.5389	0.2094	-0.2474	1.2150	luxury
	beef	0.0415	-0.1130	-0.1388	0.7081	0.2887	0.0761	-4.1146	0.4891	1.5403	1.2227	luxury
	sheep	0.0587	-0.3332	-0.2826	-0.9698	0.1494	0.0369	0.6909	-1.0878	-0.1819	1.9196	luxury
	pork	0.2160	-0.0711	-0.2201	-0.2286	-0.1500	-0.0197	0.5341	-0.0351	-1.7762	1.7505	luxury
	dairy products	-0.5713	0.1767	-0.3141	-0.1643	-0.3305	0.0195	0.1068	0.1156	0.6850	0.2767	necessity

Continuation Table S1.

Region	Product	Price elasticity							Expenditure			
		dairy products	eggs	liquid milk	fish	chicken	turkey	beef	sheep	pork	elasticity	type of good
Madrid	dairy products	-1.2372	0.0724	0.2918	-0.0558	0.1162	-0.3467	1.8127	0.3904	-1.2362	0.1926	necessity
	eggs	0.4158	0.0571	-0.2124	-0.3155	-0.4375	0.3787	-0.2371	-0.4660	0.2263	0.5906	necessity
	liquid milk	0.4853	-0.0601	-0.2177	0.5680	-0.4805	-0.0578	-0.7124	-0.1127	0.0046	0.5835	necessity
	fish	-0.1430	-0.0333	0.1314	-0.2794	-0.2641	0.1351	-0.4906	0.0522	-0.0446	0.9362	necessity
	chicken	0.0903	-0.1424	-0.5474	-1.0309	0.6636	0.2754	0.0757	-0.7086	0.2282	1.0959	luxury
	turkey	-6.4052	0.9924	-0.6524	4.2874	2.4296	-0.2746	-0.1762	-0.7125	-1.3296	1.8411	luxury
	beef	2.3664	-0.0584	-0.5551	-1.2879	0.0622	-0.0062	-1.5890	-0.7153	0.8078	0.9753	necessity
	sheep	1.4584	-0.3565	-0.4029	0.0870	-1.7119	-0.1841	-2.4882	-0.9010	2.3195	2.1797	luxury
	pork	-1.0694	0.0002	-0.0817	-0.2519	0.0408	-0.0497	0.3369	0.3745	-0.9034	1.6037	luxury
Murcia	dairy products	-1.0610	-0.0440	0.2545	0.0885	0.3639	0.0286	0.0233	-0.1857	-0.0286	0.5604	necessity
	eggs	-0.3452	0.2374	-0.2987	0.3094	-0.0542	-0.0076	0.0313	-0.2245	-0.1106	0.4627	necessity
	liquid milk	0.5908	-0.0732	-0.0918	-0.2826	-0.6732	-0.1707	-0.0998	0.2413	0.2446	0.3146	necessity
	fish	-0.0103	0.0164	-0.1587	0.0752	-0.1740	0.0301	-0.0430	-0.1046	-0.5737	0.9427	necessity
	chicken	0.8119	-0.0360	-0.9128	-0.6867	-0.0911	0.0765	-0.4390	-0.2439	0.2763	1.2449	luxury
	turkey	0.2707	-0.0677	-1.9971	0.5080	0.5682	-1.6921	-0.8029	-0.1270	0.9313	2.4086	luxury
	beef	-0.0207	-0.0006	-0.2871	-0.3145	-0.7339	-0.1462	0.1976	0.3691	-0.2391	1.1753	luxury
	sheep	-0.9147	-0.1377	0.6143	-0.5430	-0.4169	-0.0104	0.4917	-0.8068	1.5270	0.1964	necessity
	pork	-0.2521	-0.0409	-0.0366	-0.8299	0.0516	0.0403	-0.0686	0.1783	-0.7440	1.7018	luxury
Navarra	dairy products	-0.7894	0.1460	0.0612	-0.1277	-0.0504	-0.0435	0.4769	0.1803	-0.0513	0.1980	necessity
	eggs	0.6931	0.3071	-0.2824	-1.0687	-0.0560	-0.0281	-0.5741	-0.1225	0.5099	0.6218	necessity
	liquid milk	0.0448	-0.0958	0.0236	0.2586	-0.3084	-0.0826	-0.3242	-0.1067	-0.0429	0.6335	necessity
	fish	-0.2079	-0.1190	0.0260	-0.5829	0.0909	0.0714	-0.2924	-0.0917	-0.1114	1.2171	luxury
	chicken	-0.1463	-0.0187	-0.3224	0.5246	-0.5621	-0.1138	-0.0606	0.1352	-0.0068	0.5707	necessity
	turkey	-0.7304	-0.0882	-0.6955	2.0462	-0.8943	0.4064	-0.4852	0.3387	-0.9726	1.0749	luxury
	beef	0.5739	-0.1923	-0.3462	-0.9517	-0.1106	-0.0567	-0.0232	-0.0700	-0.1758	1.3525	luxury
	sheep	0.2941	-0.1132	-0.3057	-0.8148	0.1120	0.0653	-0.2051	-1.5880	0.4942	2.0612	luxury
	pork	-0.1700	0.0435	-0.0592	-0.1236	-0.0490	-0.0427	-0.0519	0.1354	-0.8633	1.1809	luxury

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Continuation Table S1.

Region	Product	Price elasticity								Expenditure		
		dairy products	eggs	liquid milk	fish	chicken	turkey	beef	sheep	pork	elasticity	type of good
País Vasco	dairy products	-0.2009	0.0120	0.2378	-0.2147	-0.0494	-0.1487	0.3679	-0.0269	-0.2435	0.2664	necessity
	eggs	-0.0025	-0.2199	-0.1768	0.2302	0.4547	0.2732	-1.1478	-0.4559	0.3006	0.7443	necessity
	liquid milk	0.3801	-0.0555	-0.5296	-0.1233	-0.1775	-0.1993	-0.9149	-0.2524	1.1730	0.6995	necessity
	fish	-0.2058	0.0149	-0.0505	0.0175	-0.2018	0.0226	-0.1971	0.0862	-0.4069	0.9209	necessity
	chicken	-0.2196	0.1677	-0.2349	-0.9318	-0.3853	0.1922	-0.1872	-0.1616	0.7786	0.9817	necessity
	turkey	-2.3198	0.6688	-1.5963	0.5709	1.2362	1.0664	-1.3480	0.6100	-0.1239	1.2357	luxury
	beef	0.2922	-0.2588	-0.6579	-0.6248	-0.1285	-0.1157	-0.5333	-0.4059	1.0870	1.3457	luxury
	sheep	-0.5228	-0.5018	-0.9414	0.4698	-0.5337	0.2272	-2.0610	-0.0578	1.2434	2.6780	luxury
Valencia	pork	-0.3502	0.0213	0.4066	-0.7504	0.2295	-0.0078	0.6425	0.1923	-1.7692	1.3853	luxury
	dairy products	-0.7133	0.0113	0.0487	0.3445	0.6377	0.1105	0.1249	-0.5987	-0.4549	0.4895	necessity
	eggs	0.1058	0.2434	-0.2437	0.3318	-0.2171	0.1104	-0.2702	-0.2096	-0.2080	0.3572	necessity
	liquid milk	0.1274	-0.0728	-0.2315	-0.2327	-0.2261	-0.2484	-0.0688	0.2628	0.3235	0.3666	necessity
	fish	0.1482	0.0159	-0.1242	-0.7513	-0.0995	0.1285	-0.0354	-0.2082	-0.0458	0.9717	necessity
	chicken	1.1944	-0.0734	-0.2541	-0.2742	-1.0140	0.2727	-0.1160	-0.2449	-0.4029	0.9123	necessity
	turkey	1.4936	0.2022	-1.9938	2.7384	2.0996	-2.0022	-1.6281	-1.2783	-1.6996	2.0684	luxury
	beef	0.2643	-0.1142	-0.1307	-0.1205	-0.1563	-0.2606	-1.7898	0.4081	1.0019	0.8978	necessity
Source: Author's calculation with the AIDS model using data of the Panel of Household Food Consumption in Spain (National Statistics Institute) (NSI 2016)	sheep	-3.2755	-0.1705	0.5856	-1.6376	-0.6646	-0.4091	0.7872	1.0783	2.6427	1.0635	luxury
	pork	-0.5585	-0.0548	0.0001	-0.2427	-0.2223	-0.0746	0.2225	0.3506	-1.1195	1.6992	luxury

Source: Author's calculation with the AIDS model using data of the Panel of Household Food Consumption in Spain (National Statistics Institute) (NSI 2016)

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Table S2. Food Insecurity Index (FII) by each component in 17 Spain regions (2004–2015)

Product	Andalucía				Aragón				Asturias				Balears			
	CPFII	OPFII	EFII	FII	CPFII	OPFII	EFII	FII	CPFII	OPFII	EFII	FII	CPFII	OPFII	EFII	FII
Dairy products	0.058	0.000	0.000	0.019	0.047	0.111	0.000	0.053	0.000	0.111	0.000	0.037	0.029	0.000	0.000	0.010
Eggs	0.058	0.111	0.000	0.056	0.063	0.111	0.000	0.058	0.104	0.000	0.000	0.035	0.059	0.000	0.000	0.020
Liquid milk	0.096	0.111	0.000	0.069	0.063	0.111	0.000	0.058	0.125	0.111	0.000	0.079	0.088	0.111	0.000	0.066
Fish	0.058	0.000	0.000	0.019	0.078	0.000	0.111	0.063	0.042	0.111	0.111	0.088	0.059	0.111	0.000	0.057
Chicken	0.096	0.111	0.000	0.069	0.078	0.000	0.000	0.026	0.042	0.111	0.000	0.051	0.088	0.111	0.111	0.103
Turkey	0.096	0.111	0.111	0.106	0.063	0.111	0.111	0.095	0.063	0.111	0.000	0.058	0.044	0.111	0.111	0.089
Beef	0.096	0.000	0.111	0.069	0.063	0.000	0.000	0.021	0.146	0.000	0.111	0.086	0.044	0.000	0.000	0.015
Sheep	0.096	0.000	0.111	0.069	0.078	0.111	0.111	0.100	0.063	0.000	0.111	0.058	0.074	0.000	0.000	0.025
Pork	0.077	0.000	0.111	0.063	0.031	0.111	0.111	0.084	0.083	0.111	0.111	0.102	0.103	0.111	0.111	0.108
Total	0.731	0.444	0.444	0.540	0.563	0.667	0.444	0.558	0.667	0.667	0.444	0.593	0.588	0.556	0.333	0.492

Product	Canarias				Cantabria				Castilla La Mancha				Castilla y León			
	CPFII	OPFII	EFII	FII	CPFII	OPFII	EFII	FII	CPFII	OPFII	EFII	FII	CPFII	OPFII	EFII	FII
Dairy products	0.047	0.000	0.000	0.016	0.044	0.111	0.000	0.052	0.047	0.000	0.000	0.016	0.044	0.000	0.000	0.015
Eggs	0.078	0.000	0.000	0.026	0.074	0.000	0.000	0.025	0.078	0.000	0.000	0.026	0.088	0.111	0.000	0.066
Liquid milk	0.063	0.111	0.000	0.058	0.074	0.111	0.000	0.062	0.078	0.111	0.000	0.063	0.088	0.000	0.000	0.029
Fish	0.063	0.111	0.000	0.058	0.059	0.000	0.111	0.057	0.109	0.000	0.111	0.073	0.074	0.000	0.111	0.062
Chicken	0.078	0.000	0.111	0.063	0.074	0.111	0.111	0.099	0.078	0.111	0.000	0.063	0.059	0.000	0.000	0.020
Turkey	0.031	0.000	0.111	0.047	0.059	0.000	0.000	0.020	0.078	0.000	0.111	0.063	0.059	0.111	0.000	0.057
Beef	0.063	0.000	0.111	0.058	0.059	0.000	0.111	0.057	0.094	0.111	0.000	0.068	0.059	0.000	0.111	0.057
Sheep	0.063	0.000	0.111	0.058	0.088	0.000	0.111	0.066	0.094	0.000	0.000	0.031	0.074	0.111	0.111	0.099
Pork	0.078	0.111	0.111	0.100	0.059	0.000	0.111	0.057	0.063	0.111	0.111	0.095	0.074	0.000	0.111	0.062
Total	0.563	0.333	0.556	0.484	0.588	0.333	0.556	0.492	0.719	0.444	0.333	0.499	0.618	0.333	0.444	0.465

Product	Cataluña				Extremadura				Galicia				La Rioja			
	CPFII	OPFII	EFII	FII	CPFII	OPFII	EFII	FII	CPFII	OPFII	EFII	FII	CPFII	OPFII	EFII	FII
Dairy products	0.036	0.000	0.000	0.012	0.044	0.111	0.000	0.052	0.054	0.000	0.000	0.018	0.044	0.111	0.000	0.052
Eggs	0.089	0.000	0.000	0.030	0.059	0.000	0.000	0.020	0.071	0.111	0.000	0.061	0.074	0.111	0.000	0.062
Liquid milk	0.107	0.111	0.000	0.073	0.074	0.000	0.000	0.025	0.107	0.111	0.000	0.073	0.074	0.111	0.000	0.062
Fish	0.089	0.111	0.000	0.067	0.074	0.111	0.111	0.099	0.071	0.111	0.111	0.098	0.059	0.111	0.000	0.057
Chicken	0.089	0.111	0.111	0.104	0.059	0.111	0.000	0.057	0.071	0.000	0.000	0.024	0.059	0.111	0.111	0.094
Turkey	0.089	0.000	0.111	0.067	0.059	0.111	0.000	0.057	0.071	0.000	0.111	0.061	0.029	0.000	0.111	0.047
Beef	0.107	0.111	0.111	0.110	0.088	0.000	0.000	0.029	0.107	0.111	0.111	0.110	0.029	0.000	0.111	0.047
Sheep	0.089	0.000	0.111	0.067	0.059	0.000	0.000	0.020	0.071	0.111	0.111	0.098	0.059	0.000	0.111	0.057
Pork	0.054	0.000	0.111	0.055	0.074	0.000	0.111	0.062	0.054	0.000	0.111	0.055	0.074	0.000	0.111	0.062
Total	0.750	0.444	0.556	0.583	0.588	0.444	0.222	0.418	0.679	0.556	0.556	0.597	0.500	0.556	0.556	0.537

Product	Madrid				Murcia				Navarra				País Vasco			
	CPFII	OPFII	EFII	FII	CPFII	OPFII	EFII	FII	CPFII	OPFII	EFII	FII	CPFII	OPFII	EFII	FII
Dairy products	0.044	0.000	0.000	0.015	0.054	0.000	0.000	0.018	0.056	0.111	0.000	0.056	0.074	0.111	0.000	0.062
Eggs	0.074	0.000	0.000	0.025	0.107	0.000	0.000	0.036	0.083	0.000	0.000	0.028	0.044	0.111	0.000	0.052
Liquid milk	0.074	0.111	0.000	0.062	0.089	0.111	0.000	0.067	0.083	0.000	0.000	0.028	0.088	0.111	0.000	0.066
Fish	0.074	0.111	0.000	0.062	0.089	0.000	0.111	0.067	0.069	0.111	0.111	0.097	0.074	0.000	0.000	0.025

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Continuation Table S2.

Product	Madrid				Murcia				Navarra				País Vasco			
	CPFII	OPFII	EFII	FII	CPFII	OPFII	EFII	FII	CPFII	OPFII	EFII	FII	CPFII	OPFII	EFII	FII
Chicken	0.059	0.000	0.111	0.057	0.089	0.111	0.000	0.067	0.083	0.111	0.000	0.065	0.074	0.111	0.000	0.062
Turkey	0.074	0.111	0.111	0.099	0.071	0.000	0.111	0.061	0.083	0.000	0.111	0.065	0.059	0.000	0.111	0.057
Beef	0.074	0.000	0.000	0.025	0.089	0.000	0.111	0.067	0.097	0.111	0.111	0.106	0.088	0.111	0.111	0.103
Sheep	0.074	0.111	0.111	0.099	0.089	0.111	0.111	0.104	0.056	0.000	0.111	0.056	0.074	0.111	0.111	0.099
Pork	0.044	0.111	0.111	0.089	0.071	0.111	0.111	0.098	0.083	0.111	0.111	0.102	0.044	0.000	0.111	0.052
Total	0.588	0.556	0.444	0.529	0.750	0.444	0.556	0.583	0.694	0.556	0.556	0.602	0.618	0.667	0.444	0.576

Product	Valencia				Spain			
	CPFII	OPFII	EFII	FII	CPFII	OPFII	EFII	FII
Dairy products	0.028	0.111	0.000	0.046	0.044	0.052	0.000	0.032
Eggs	0.069	0.000	0.000	0.023	0.074	0.039	0.000	0.038
Liquid milk	0.069	0.111	0.000	0.060	0.083	0.092	0.000	0.058
Fish	0.069	0.111	0.000	0.060	0.071	0.065	0.059	0.065
Chicken	0.083	0.000	0.000	0.028	0.074	0.072	0.039	0.062
Turkey	0.056	0.000	0.111	0.056	0.063	0.046	0.085	0.065
Beef	0.069	0.000	0.000	0.023	0.079	0.039	0.072	0.063
Sheep	0.069	0.000	0.111	0.060	0.074	0.039	0.092	0.068
Pork	0.069	0.000	0.111	0.060	0.067	0.059	0.111	0.079
Total	0.583	0.333	0.333	0.417	0.630	0.503	0.458	0.530

CPFII – Cross-Price Food Insecurity Index; OPFII – Own-Price Food Insecurity Index; EFII – Expenditure Food Insecurity Index

Source: Author's processing from elasticities results from Table S1 based on the Panel of Household Food Consumption in Spain (National Statistics Institute) (NSI 2016)