

Table SPBS-31

S&E articles in social sciences, whole count, by region, country, or economy: 1996–2020

(Number)

Region, country, or economy	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
World	31,681	32,095	33,675	35,065	37,575	40,088	44,183	46,525	49,772	54,813	58,634	63,254	70,059	76,581	85,831	92,775	94,919	100,231	103,444	109,101	114,104	119,494	125,826	132,482	153,850
North America	17,343	17,030	17,693	18,419	19,038	20,494	21,963	23,260	24,502	26,453	27,593	28,836	30,528	31,899	34,284	35,607	35,314	36,788	37,532	39,692	40,173	41,058	41,844	43,475	49,257
Canada	1,903	1,681	1,694	1,704	1,863	1,911	2,162	2,404	2,643	2,761	3,130	3,256	3,450	3,764	4,048	4,234	4,203	4,487	4,485	5,005	4,903	4,999	4,996	5,185	6,243
Greenland	0	0	0	0	0	0	0	2	0	3	0	1	0	0	2	0	4	1	3	5	3	2	2	2	2
Mexico	71	86	93	107	113	136	143	172	199	224	291	287	427	460	543	557	748	743	815	840	942	1,000	1,245	1,384	1,534
United States	15,568	15,444	16,070	16,800	17,291	18,670	19,911	21,007	22,035	23,825	24,628	25,780	27,135	28,208	30,242	31,395	31,029	32,256	32,958	34,617	35,163	35,879	36,507	37,919	42,661
Central America and Caribbean	54	57	53	79	64	67	79	91	92	125	127	154	158	150	167	153	208	180	220	242	247	295	273	320	559
Antigua and Barbuda	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	1	0	0	1	0	0
Bahamas, The	0	0	1	0	0	1	2	0	0	0	1	1	0	2	0	0	2	3	3	1	3	0	3	3	3
Barbados	4	8	4	4	6	10	12	6	8	6	10	13	11	10	10	9	16	8	12	14	11	11	11	11	23
Belize	0	0	0	0	0	0	0	2	0	0	1	0	1	1	0	0	0	1	1	0	2	0	1	0	3
Costa Rica	7	6	4	6	10	4	8	6	8	10	19	16	25	13	22	19	32	25	43	37	44	67	63	79	110
Cuba	1	3	7	2	6	8	5	8	4	18	12	10	18	20	10	21	20	21	27	31	28	43	39	39	161
Dominica	0	0	1	0	0	0	0	0	0	0	1	1	0	1	1	0	1	1	0	0	0	0	0	1	2
Dominican Republic	0	2	1	2	3	0	2	1	3	7	3	3	1	1	2	2	4	9	8	6	9	10	7	14	15
El Salvador	1	0	1	2	0	0	2	0	2	3	2	0	1	0	2	1	0	1	0	8	1	4	4	2	4
Grenada	0	0	0	0	0	0	0	2	0	0	1	1	1	1	0	3	1	2	0	0	1	2	3	2	5
Guatemala	1	1	0	2	3	1	1	2	2	2	5	8	5	8	7	6	7	15	11	21	21	19	24	22	19
Haiti	0	0	0	0	2	0	0	0	0	1	2	0	0	1	3	2	0	2	2	4	1	3	3	2	11
Honduras	0	2	0	1	3	1	4	2	1	1	0	0	4	0	1	3	6	3	8	4	2	10	7	4	15
Jamaica	18	8	11	20	11	14	10	11	27	17	22	37	52	19	27	22	25	19	33	31	42	31	22	31	45
Nicaragua	4	4	1	2	3	3	2	5	2	2	4	8	3	5	3	5	4	5	3	7	5	7	3	5	6
Panama	0	0	1	1	0	0	0	1	1	3	1	5	3	5	5	3	11	6	7	5	5	11	11	12	23
Puerto Rico	18	17	15	27	11	14	25	36	18	42	28	31	23	42	44	20	47	39	31	48	45	44	42	64	71
Saint Kitts and Nevis	0	1	0	3	1	1	0	0	0	0	0	0	0	1	0	2	0	0	0	1	0	0	1	1	0
Saint Lucia	0	0	0	0	0	3	0	0	1	1	0	1	1	0	0	1	0	2	0	0	0	0	0	1	0
Saint Vincent and the Grenadines	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0
Trinidad and Tobago	1	7	7	7	5	9	8	12	15	14	17	24	17	25	32	34	32	21	32	24	29	37	35	36	51
South America	222	227	284	319	378	449	524	573	605	688	1,031	1,436	1,924	2,119	2,658	2,799	3,239	3,479	4,070	4,437	5,111	5,519	6,267	6,973	8,143

Table SPBS-31

S&E articles in social sciences, whole count, by region, country, or economy: 1996–2020

(Number)

Region, country, or economy	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Argentina	52	46	80	63	79	80	99	111	126	106	117	181	227	253	289	345	406	430	550	579	599	648	720	766	904
Bolivia	3	2	5	7	0	4	9	2	6	7	6	12	8	3	9	8	12	16	11	14	17	23	15	23	23
Brazil	87	97	111	176	176	235	293	283	291	341	629	819	1,095	1,162	1,513	1,545	1,749	1,866	2,062	2,255	2,638	2,758	3,106	3,353	3,663
Chile	35	49	42	26	64	56	77	85	106	110	153	194	287	319	394	454	524	600	727	828	977	1,023	1,149	1,284	1,546
Colombia	12	10	14	16	14	25	24	41	28	54	61	101	166	210	274	289	358	372	510	530	609	695	841	948	1,146
Ecuador	4	9	6	7	2	6	3	6	6	9	10	8	12	18	23	20	18	33	42	105	137	197	257	304	563
Guyana	0	3	1	1	1	1	0	3	2	2	1	1	2	3	7	5	5	3	3	3	0	2	3	5	9
Paraguay	0	1	2	0	2	0	0	1	1	1	4	2	3	2	2	1	7	5	4	3	3	8	2	16	11
Peru	6	3	2	5	13	11	6	15	9	18	16	28	27	35	39	55	61	70	79	77	100	135	183	299	389
Suriname	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	4	0	2	2	2	1
Uruguay	5	2	9	2	4	6	8	12	16	13	20	27	30	32	25	37	46	48	61	59	99	85	91	128	139
Venezuela	20	12	18	20	24	29	18	23	21	42	29	88	101	114	115	77	94	86	98	82	78	70	72	81	88
Europe	10,706	11,351	11,955	12,288	13,990	14,581	16,716	17,728	19,267	21,720	23,587	25,927	28,797	32,380	36,318	40,674	42,402	45,471	47,022	49,646	52,167	54,812	58,113	60,218	68,936
EU-27 and UK ^a	10,050	10,626	11,247	11,574	13,168	13,736	15,648	16,630	17,977	20,255	21,947	24,010	26,495	29,268	32,202	36,225	38,275	40,955	42,051	44,047	45,619	47,439	49,949	51,404	58,927
UK	5,083	5,393	5,651	5,668	6,580	6,109	6,596	6,862	7,400	8,235	8,700	9,219	9,115	9,901	10,608	11,236	11,865	12,389	11,905	12,221	12,231	12,557	13,011	13,725	16,170
EU-27 ^b	5,189	5,457	5,840	6,174	6,921	7,963	9,454	10,292	11,183	12,696	13,992	15,589	18,352	20,417	22,689	26,273	27,845	30,189	31,883	33,725	35,313	36,956	39,199	40,082	45,723
Austria	126	120	144	161	169	186	242	265	344	330	332	396	499	551	579	706	773	818	801	867	895	891	1,006	991	1,315
Belgium	218	248	295	280	311	366	414	508	584	607	712	786	849	983	1,082	1,232	1,291	1,537	1,518	1,550	1,557	1,704	1,768	1,721	1,968
Bulgaria	25	19	23	19	13	42	22	25	18	14	35	41	44	64	62	70	74	57	72	63	68	279	227	215	188
Croatia	31	12	23	14	83	83	63	60	48	66	75	109	135	174	168	314	277	340	315	373	424	480	471	493	487
Cyprus	19	26	24	17	31	33	57	52	74	71	76	95	139	157	183	199	155	191	181	181	206	281	356	261	350
Czechia	113	125	146	128	182	154	206	201	198	229	252	370	439	438	540	698	844	854	1,060	1,355	1,362	1,339	1,363	1,423	1,491
Denmark	179	194	200	260	242	300	358	355	379	433	441	475	565	617	686	794	879	968	1,028	1,175	1,194	1,224	1,192	1,302	1,526
Estonia	10	19	24	19	22	28	37	36	48	45	54	84	110	141	166	174	212	221	248	278	282	248	276	319	387
Finland	167	186	208	203	232	263	337	393	413	456	486	531	613	654	738	775	863	969	1,123	1,096	1,203	1,259	1,358	1,461	1,788
France	849	811	852	945	1,027	1,457	1,734	1,947	2,136	2,274	2,457	2,658	2,863	3,082	3,285	3,607	3,586	3,941	4,041	4,047	4,159	4,366	4,313	3,870	4,080
Germany	1,081	1,209	1,249	1,406	1,533	1,622	2,035	2,205	2,381	2,876	3,054	3,364	3,637	3,990	4,285	4,770	5,029	5,699	5,895	6,123	6,304	6,691	6,982	7,231	8,260
Greece	93	141	124	126	143	171	206	297	339	369	386	403	512	592	649	700	680	726	772	698	679	779	758	782	885
Hungary	79	94	120	84	106	85	147	135	145	157	204	259	319	329	328	460	476	392	483	536	540	621	646	648	801
Ireland	147	139	161	177	181	177	228	254	280	309	355	416	432	489	573	639	617	638	668	739	742	791	836	1,040	1,265
Italy	392	402	404	428	548	656	706	834	877	977	1,122	1,251	1,531	1,754	2,002	2,207	2,456	2,777	3,048	3,381	3,589	3,888	4,240	4,449	4,803
Latvia	4	3	3	4	3	6	8	7	8	13	22	20	32	33	45	53	48	58	59	63	94	89	118	106	128
Lithuania	4	5	6	5	11	11	29	41	51	104	126	124	336	343	300	368	374	313	399	405	429	433	441	427	495
Luxembourg	8	1	4	7	5	7	11	7	13	18	31	31	37	56	57	85	78	120	140	124	147	133	166	167	204

Table SPBS-31

S&E articles in social sciences, whole count, by region, country, or economy: 1996–2020

(Number)

Region, country, or economy	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Malta	19	15	13	6	7	12	8	10	13	19	20	12	23	28	25	28	39	46	37	35	44	54	55	51	68
Netherlands	800	836	859	904	935	1,035	1,149	1,159	1,267	1,453	1,654	1,772	1,953	2,212	2,282	2,472	2,593	2,901	2,992	3,092	3,108	3,199	3,270	3,561	4,106
Poland	125	115	140	112	104	144	164	185	190	195	257	280	403	435	540	883	812	1,026	1,107	1,351	1,470	1,568	1,777	1,958	2,422
Portugal	132	82	100	107	129	145	186	178	214	253	298	351	407	465	566	727	821	949	944	966	1,235	1,153	1,330	1,335	1,663
Romania	21	17	15	15	21	20	37	32	25	44	50	70	187	312	465	651	883	616	645	798	777	557	773	817	870
Slovakia	27	29	45	47	56	57	77	119	123	101	103	144	184	170	318	324	357	346	395	500	659	690	776	721	659
Slovenia	40	38	77	78	85	121	103	125	128	167	162	213	279	332	321	425	451	464	483	528	533	583	562	608	604
Spain	360	423	449	500	642	656	783	881	970	1,188	1,476	1,668	2,284	2,560	2,994	3,606	3,993	4,257	4,580	4,728	5,156	5,328	6,080	6,436	7,923
Sweden	327	318	363	377	391	449	517	540	573	713	750	773	980	1,052	1,170	1,300	1,479	1,636	1,849	1,926	1,937	2,071	2,297	2,329	2,753
Other Europe	739	829	797	799	947	964	1,214	1,294	1,526	1,781	1,987	2,329	2,786	3,671	4,807	5,150	4,949	5,457	6,056	6,848	7,912	8,998	9,930	10,669	12,442
Other Europe, 2020 ^b	5,787	6,186	6,422	6,433	7,478	7,027	7,758	8,085	8,845	9,918	10,573	11,427	11,760	13,413	15,244	16,203	16,572	17,573	17,671	18,763	19,755	21,166	22,490	23,914	27,983
Albania	3	1	4	4	1	1	1	5	4	3	4	0	2	4	4	13	10	14	14	26	16	25	26	23	40
Andorra	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	2	0	3	2	1	0	1	1	1
Belarus	3	0	3	5	4	5	1	3	8	6	10	7	11	4	15	8	7	8	17	17	17	33	46	59	48
Bosnia and Herzegovina	3	2	2	3	2	2	1	2	1	10	8	11	22	34	59	69	66	45	32	45	41	65	70	84	81
Holy See (Vatican City)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	1	0	0
Iceland	14	11	17	16	17	19	26	23	29	25	37	38	25	33	49	50	62	53	60	73	65	94	90	83	84
Kosovo	0	0	0	0	0	0	0	0	0	0	0	0	2	2	8	11	9	1	11	8	8	29	29	46	56
Liechtenstein	0	0	0	0	0	0	0	1	0	1	1	0	2	1	2	2	1	1	4	0	2	4	3	3	7
Moldova	1	1	0	0	0	0	2	4	1	2	4	1	1	5	2	3	5	5	9	5	11	3	17	30	17
Monaco	0	0	0	0	0	0	0	0	0	1	0	2	0	2	0	2	2	4	2	0	1	1	1	2	0
Montenegro ^c	0	0	0	0	0	0	0	0	0	0	0	2	2	1	6	9	8	9	22	25	35	53	28	52	51
North Macedonia	2	5	4	2	2	1	3	2	3	4	5	16	6	20	44	51	38	43	40	48	55	74	60	42	72
Norway	262	302	292	300	315	336	408	391	485	539	615	679	697	772	923	1,028	1,063	1,133	1,230	1,335	1,313	1,509	1,601	1,711	2,172
Russia	122	159	155	128	147	148	180	195	186	214	203	241	248	327	408	574	685	926	1,132	1,609	2,495	3,209	3,840	4,039	4,192
San Marino	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	3	1
Serbia ^c	0	0	0	0	0	0	0	0	0	0	0	53	70	101	164	273	339	217	249	255	294	282	347	335	377
Serbia and Montenegro ^d	9	8	12	9	17	17	19	21	29	26	28	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Switzerland	240	263	207	240	319	301	392	415	474	567	608	681	803	816	1,005	1,075	1,129	1,220	1,375	1,460	1,479	1,599	1,599	1,639	2,069
Turkey	73	74	96	85	115	132	178	223	274	352	447	580	867	1,526	2,118	1,976	1,535	1,528	1,670	1,770	1,959	1,880	1,992	2,226	2,733

Table SPBS-31

S&E articles in social sciences, whole count, by region, country, or economy: 1996–2020

(Number)

Region, country, or economy	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Ukraine	12	8	9	11	13	11	13	20	44	43	34	39	50	40	49	50	51	297	272	242	209	263	323	472	679
Middle East	540	534	565	555	617	662	712	782	912	931	1,031	1,142	1,298	1,459	1,916	2,664	2,298	2,284	2,526	2,628	3,000	3,217	3,731	4,161	5,597
Armenia	0	2	0	2	1	1	3	2	3	5	11	9	6	9	5	8	9	21	13	10	20	26	24	31	30
Azerbaijan	1	0	1	0	0	0	1	1	1	2	0	3	4	7	8	5	7	12	15	17	20	26	42	40	70
Bahrain	2	2	4	8	2	4	5	2	8	6	5	5	10	13	10	12	10	35	12	17	33	27	32	55	89
Gaza Strip ^e	1	2	1	1	1	0	0	0	1	1	1	1	2	2	1	2	3	0	6	2	4	4	5	4	11
Georgia	3	3	3	0	5	3	5	7	7	6	5	4	5	12	9	15	7	19	24	18	23	36	38	35	41
Iran	18	9	15	11	13	14	18	32	23	44	69	91	77	129	458	1,108	646	388	458	386	515	695	862	932	1,074
Iraq	0	2	1	0	1	2	0	0	7	3	6	6	5	14	6	12	11	18	28	25	30	34	97	129	297
Israel	439	454	477	446	497	533	582	597	702	683	739	778	855	894	921	938	966	1,003	1,109	1,148	1,208	1,172	1,336	1,383	1,629
Jordan	14	9	11	16	19	19	12	16	16	15	26	66	96	106	112	128	151	138	175	137	228	222	214	252	440
Kuwait	13	5	9	5	4	10	17	13	19	11	14	18	26	23	22	28	32	33	33	55	60	54	58	70	99
Lebanon	12	13	12	13	23	24	23	37	35	46	34	31	54	51	69	59	66	77	97	104	110	104	118	160	178
Oman	4	2	3	0	10	4	3	10	8	13	18	15	10	20	31	40	35	48	42	75	92	77	80	106	133
Qatar	2	0	1	5	0	2	1	3	1	3	5	14	13	20	30	57	43	68	82	118	125	143	122	136	191
Saudi Arabia	21	17	15	29	23	21	17	22	24	14	20	32	40	50	79	114	134	203	232	274	275	326	393	437	815
Syria	0	0	1	0	1	1	2	4	3	4	5	3	6	4	9	14	11	10	7	14	7	5	9	6	9
United Arab Emirates	4	11	10	18	18	18	23	36	48	68	74	64	92	105	147	132	155	215	189	250	270	298	343	447	593
West Bank ^e	6	3	2	2	0	10	3	3	9	11	4	7	8	7	14	12	24	16	22	12	21	18	23	36	50
Yemen	1	1	1	1	2	1	1	0	2	2	0	1	1	3	3	5	7	4	8	9	4	5	10	11	39
Africa	655	684	749	770	783	831	926	1,004	1,199	1,187	1,364	1,339	1,680	1,955	2,234	2,336	2,556	2,682	3,003	3,222	3,540	3,817	4,453	4,774	6,171
Algeria	5	5	2	4	3	3	6	4	10	7	18	13	15	20	25	42	58	89	53	82	86	83	107	82	118
Angola	1	0	0	0	0	3	1	0	3	5	2	2	1	0	3	0	1	2	7	4	9	10	6	3	11
Benin	1	0	5	1	1	1	5	4	6	3	4	7	4	8	7	4	6	16	7	16	8	13	23	10	21
Botswana	29	19	26	38	28	28	42	31	39	39	39	34	54	54	50	51	34	40	42	33	42	48	51	42	43
Burkina Faso	0	1	4	3	2	2	2	7	6	4	7	8	3	2	8	16	10	5	3	16	13	14	31	19	30
Burundi	0	0	1	0	0	0	0	0	1	0	3	0	1	0	5	4	3	2	2	2	4	3	7	5	8
Cabo Verde	0	0	0	0	0	1	0	0	0	0	1	0	1	1	0	2	0	2	2	3	0	4	2	5	3
Cameroon	6	9	9	8	7	12	20	16	18	25	34	32	30	30	19	42	26	38	52	37	57	77	70	50	109
Central African Republic	0	0	0	0	0	1	0	1	0	1	0	1	4	4	0	1	0	0	2	1	0	0	2	2	2
Chad	0	0	0	0	0	1	0	2	0	2	0	1	0	1	0	2	0	0	0	2	2	1	1	2	1
Comoros	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0

Table SPBS-31

S&E articles in social sciences, whole count, by region, country, or economy: 1996–2020

(Number)

Region, country, or economy	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Congo, Democratic Republic of the	0	0	0	1	0	0	1	0	1	1	2	1	3	5	8	3	4	8	7	3	11	15	14	11	23
Congo, Republic of the	1	0	0	1	0	0	0	0	0	2	1	3	6	1	4	4	4	3	3	2	5	5	4	2	5
Côte d'Ivoire	4	3	5	7	3	6	2	4	3	3	4	5	3	3	13	10	17	12	11	20	26	31	38	31	29
Djibouti	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	2	0	0	0	0	0
Egypt	17	28	19	17	23	12	31	28	21	15	30	45	40	62	90	111	124	140	130	146	184	187	197	231	305
Equatorial Guinea	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0
Eritrea	0	0	3	2	2	0	2	3	3	2	5	5	2	1	2	3	0	2	1	1	2	2	2	1	3
Eswatini	3	5	6	6	6	3	2	1	3	4	1	1	3	2	5	10	4	4	3	7	6	5	8	5	9
Ethiopia	11	8	14	12	16	17	13	24	32	20	40	32	51	50	41	62	56	70	82	92	88	148	159	165	235
Gabon	0	0	1	1	1	1	2	0	0	4	1	1	3	1	3	1	1	3	1	4	3	0	0	2	4
Gambia, The	1	2	0	0	0	0	3	0	1	1	3	2	0	1	2	0	0	1	1	4	1	3	1	2	8
Ghana	8	18	17	20	16	10	26	21	40	26	28	44	53	51	61	81	107	123	140	160	195	258	304	340	467
Guinea	0	0	0	0	0	0	0	0	0	0	0	1	0	3	0	0	2	0	1	2	0	3	0	1	2
Guinea-Bissau	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	2
Kenya	30	30	33	35	34	45	46	57	49	52	51	63	81	104	111	111	107	112	129	136	150	146	156	183	214
Lesotho	4	6	1	3	6	8	6	3	3	2	7	4	5	4	8	5	9	7	6	6	10	8	7	16	12
Liberia	0	0	0	0	1	0	0	0	1	0	2	0	2	1	1	3	2	2	2	0	2	6	1	2	0
Libya	0	1	0	0	0	0	3	1	2	3	1	0	2	3	1	7	7	3	5	2	1	9	8	10	18
Madagascar	0	0	0	2	1	0	2	3	6	4	5	2	3	5	3	5	2	4	7	8	3	8	13	3	3
Malawi	10	7	11	9	4	10	7	10	12	11	15	21	17	23	24	27	25	18	29	26	21	30	39	34	42
Mali	3	2	1	1	1	0	2	2	2	2	2	4	1	4	8	9	5	5	7	8	3	14	9	15	12
Mauritania	0	0	0	0	0	1	0	0	0	2	0	1	1	2	1	1	3	1	1	0	0	0	0	0	2
Mauritius	0	2	3	6	6	4	8	3	8	19	7	5	9	15	10	9	24	18	11	11	20	19	22	19	38
Morocco	13	19	10	12	8	8	16	12	18	19	26	15	34	41	28	41	58	63	59	72	111	106	121	158	209
Mozambique	5	2	4	2	3	2	3	4	8	2	9	6	12	10	18	13	10	15	14	17	21	20	31	29	31
Namibia	3	3	11	9	4	4	6	4	4	7	4	4	7	5	9	6	13	12	7	12	16	9	35	21	40
Niger	0	2	0	1	1	5	3	2	7	4	3	2	4	9	10	4	3	1	7	7	4	6	7	12	12
Nigeria	51	55	46	40	35	43	37	74	72	74	105	100	141	237	257	276	230	228	262	299	312	377	503	613	987
Rwanda	0	0	1	0	1	0	0	2	1	0	4	0	4	7	13	8	5	13	15	13	29	19	23	38	42
São Tomé and Príncipe	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
Senegal	9	4	6	6	4	4	9	19	10	21	13	18	15	16	12	17	28	19	18	28	20	25	41	34	41

Table SPBS-31

S&E articles in social sciences, whole count, by region, country, or economy: 1996–2020

(Number)

Region, country, or economy	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Seychelles	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	3	0	1	2	1
Sierra Leone	0	3	2	0	1	2	0	1	1	0	2	1	2	1	0	0	2	6	2	2	6	1	7	5	9
Somalia	0	1	0	1	0	0	1	1	1	0	0	0	0	1	0	2	0	3	2	0	2	4	1	4	4
South Africa	397	406	466	483	520	538	566	602	750	737	803	751	952	1,063	1,194	1,188	1,307	1,372	1,591	1,669	1,782	1,942	2,215	2,325	2,790
South Sudan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	1	3	0	0	3	3	4
Sudan	5	3	1	1	4	1	4	1	1	2	3	6	6	9	11	9	7	15	23	21	15	13	13	23	26
Tanzania	5	10	10	15	18	8	19	18	16	22	22	26	49	27	62	48	53	47	62	51	69	74	103	105	119
Togo	1	0	1	1	1	2	1	2	1	0	3	1	2	3	5	1	2	4	9	3	9	5	4	13	14
Tunisia	6	6	12	10	8	9	10	17	16	35	36	37	59	72	91	107	161	125	181	185	218	148	161	163	195
Uganda	8	9	10	10	9	14	12	16	23	19	29	26	24	30	48	31	61	56	57	68	81	79	89	105	133
Zambia	6	6	7	0	4	3	8	4	4	4	7	7	13	10	10	7	12	13	17	23	25	28	37	37	45
Zimbabwe	20	31	22	21	22	31	26	29	22	24	23	36	15	24	32	33	54	62	55	65	68	52	101	121	157
Asia	1,831	1,847	2,137	2,357	2,651	2,870	3,172	3,400	3,678	4,201	4,891	5,576	6,594	7,833	9,746	10,329	11,208	12,071	12,890	13,850	15,048	16,716	18,521	20,875	26,534
Afghanistan	1	0	1	0	0	1	3	2	1	4	6	8	4	13	10	10	9	12	11	5	3	9	13	20	25
Bangladesh	18	22	19	19	29	25	24	32	35	40	43	42	59	59	77	91	101	101	115	122	107	130	160	198	300
Bhutan	1	0	1	0	0	0	1	1	4	3	0	1	1	1	5	2	3	3	7	4	3	5	10	13	20
Brunei	16	8	12	5	6	13	3	4	10	8	15	7	12	11	16	6	17	15	23	27	44	49	48	40	48
Burma	0	0	0	0	1	0	0	0	1	2	2	6	1	2	0	1	1	3	6	7	12	14	13	22	22
Cambodia	1	0	0	2	3	1	2	6	5	4	7	9	8	10	7	9	11	11	18	14	17	21	25	27	35
China	475	522	535	532	598	745	806	855	976	1,010	1,360	1,508	1,824	2,212	2,638	2,947	3,031	3,729	4,098	4,293	4,953	5,721	6,706	7,775	10,548
India	268	262	422	472	593	556	459	463	538	464	536	743	1,027	1,206	1,371	1,465	1,810	1,680	1,740	1,985	2,114	2,231	2,305	2,425	2,905
Indonesia	28	19	33	31	28	32	33	40	36	51	60	62	58	77	111	132	169	226	270	302	531	762	1,187	1,470	2,178
Japan	482	455	513	586	644	627	786	961	863	1,075	1,147	1,228	1,198	1,321	1,466	1,517	1,529	1,605	1,524	1,626	1,608	1,722	1,817	1,921	2,302
Kazakhstan	1	1	7	3	3	2	5	2	4	10	9	12	11	10	20	25	40	62	60	106	120	141	251	255	370
Kyrgyzstan	0	0	2	2	1	0	1	4	3	2	7	3	7	6	6	8	12	12	5	15	18	16	23	20	37
Laos	1	0	0	0	0	1	0	3	4	3	6	3	0	6	5	8	12	8	13	20	18	16	16	12	9
Malaysia	47	51	51	46	45	51	68	95	65	123	167	182	232	485	939	925	912	1,146	1,140	1,317	1,463	1,635	1,686	1,704	1,815
Maldives	0	0	1	0	0	2	1	0	0	1	0	0	0	0	1	0	0	3	1	1	0	2	1	3	4
Mongolia	1	1	1	2	2	1	3	4	6	4	6	5	2	1	1	5	10	17	13	9	13	12	19	20	19
Nepal	7	6	6	9	18	11	16	16	16	10	18	14	12	19	22	24	23	32	32	30	36	52	45	54	64
North Korea	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	2	0	2
Pakistan	34	43	28	67	64	76	57	58	57	72	113	139	119	150	198	208	195	204	253	295	323	338	348	510	777
Papua New Guinea	6	9	8	4	5	3	4	3	5	10	8	4	7	3	5	5	5	2	3	3	3	4	9	12	6
Philippines	25	17	39	26	40	26	57	63	63	75	70	83	105	115	152	157	172	190	182	191	212	219	297	438	437

Table SPBS-31

S&E articles in social sciences, whole count, by region, country, or economy: 1996–2020

(Number)

Region, country, or economy	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Singapore	133	134	150	174	187	205	214	259	259	338	364	373	450	505	578	611	729	688	766	815	789	850	794	886	1,064
South Korea	118	151	142	177	182	242	276	251	352	358	404	469	537	642	816	845	956	1,012	1,216	1,350	1,437	1,601	1,610	1,810	2,166
Sri Lanka	10	22	16	20	15	17	22	16	28	29	25	23	40	43	50	32	55	55	50	42	56	60	75	87	101
Taiwan	152	112	133	167	178	225	297	273	358	508	515	665	890	964	1,260	1,324	1,535	1,458	1,509	1,435	1,397	1,364	1,270	1,318	1,602
Tajikistan	0	0	1	0	0	0	0	1	0	2	0	2	1	0	3	4	4	7	1	9	3	3	4	7	12
Thailand	26	32	36	39	47	46	61	53	68	79	125	142	163	188	273	237	235	274	317	359	367	445	563	665	766
Timor-Leste	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	1	0	1	3	3	1	3	5	2	2
Turkmenistan	0	0	0	0	1	0	0	0	1	0	0	0	0	1	0	1	1	1	0	0	0	1	0	0	0
Uzbekistan	1	0	1	4	5	4	4	4	3	3	3	4	3	3	5	4	23	12	6	12	5	14	7	17	28
Vietnam	6	5	6	7	3	8	11	8	17	22	33	32	45	50	33	53	69	73	93	90	149	182	249	398	669
Australia and Oceania	1,815	1,919	1,874	1,940	2,028	2,162	2,434	2,601	2,926	3,272	3,534	3,699	4,477	4,779	5,372	5,690	6,050	6,645	6,661	6,952	7,118	7,380	7,448	8,068	8,910
Australia	1,541	1,622	1,583	1,586	1,686	1,776	1,995	2,154	2,452	2,706	2,927	3,031	3,745	4,012	4,544	4,696	5,130	5,736	5,699	5,957	6,007	6,301	6,321	6,962	7,612
Cook Islands	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
Fiji	6	3	6	5	7	10	10	12	23	12	28	34	35	30	27	16	14	25	19	27	31	33	52	48	49
Kiribati	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	2
Marshall Islands	0	0	0	0	0	1	0	0	0	0	1	1	0	0	2	0	0	0	0	4	1	1	2	3	1
Micronesia, Federated States of	1	0	0	0	1	0	0	0	0	0	0	1	1	0	0	0	0	0	0	1	0	0	2	0	0
Nauru	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
New Zealand	280	305	296	359	363	397	452	459	487	593	630	682	760	823	875	1,063	1,001	996	1,046	1,083	1,170	1,192	1,209	1,237	1,431
Niue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Palau	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	0	0
Samoa	1	1	0	2	0	0	1	1	0	1	3	1	2	1	3	1	0	2	2	1	1	0	5	2	5
Solomon Islands	1	0	0	0	1	0	0	0	0	1	1	2	1	2	6	0	0	0	1	2	1	2	2	4	1
Tonga	0	0	1	0	0	0	1	0	0	1	1	0	0	0	1	0	0	1	0	1	1	0	1	1	2
Tuvalu	0	0	0	0	0	1	0	0	0	0	0	1	1	0	0	0	0	0	0	1	0	0	0	0	0
Vanuatu	0	0	0	3	0	0	0	0	4	4	0	1	0	1	1	1	1	0	0	2	4	1	1	1	2
Unassigned	1,435	1,224	1,198	1,457	1,007	988	846	1,129	954	1,353	1,752	1,955	2,087	951	705	660	710	659	633	512	484	628	645	1,037	1,684

EU = European Union; UK = United Kingdom.

^a The UK was a part of the EU for data purposes from 1973 to 2019.

^b Beginning in 2020, the UK was no longer a member of the EU.

^c Beginning in 2006, Serbia and Montenegro represented individual countries.

^d Serbia and Montenegro represented a single country for data purposes from 1992 to 2006.

^e West Bank and Gaza Strip are separate entities in this list but are grouped in the World Bank Lending Groups classification list. Here, the economic status of the group is applied to both individual regions.

Note(s):

Article counts refer to publications from selected journals and conference papers in S&E from Scopus. Articles are classified by their year of publication and are assigned to a region, country, or economy on the basis of the institutional address(es) of author(s) listed in the article. Articles are credited on a whole count basis. In whole counting, each region, country, or economy with a collaborating author on an article is credited with one count. The sum of the whole count for regions, countries, or economies does not add to the world total because of multiple counts of coauthored publications. Some publications have incomplete address information for coauthored publications in the Scopus database. The Unassigned category count is the sum of whole counts for publications that cannot be assigned to a region, country, or economy.

Source(s):

National Center for Science and Engineering Statistics; Science-Metrix; Elsevier, Scopus abstract and citation database, accessed May 2021.

Science and Engineering Indicators