

Table SPBS-15

S&E articles in psychology, fractional 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	18,539.00	19,011.00	18,653.00	18,802.00	21,488.00	20,873.00	21,466.00	22,016.00	22,969.00	24,671.00	26,421.00	27,882.00	30,328.00	31,857.00	33,694.00	36,086.00	38,900.00	40,570.00	43,449.00	44,760.00	45,268.00	48,108.00	49,584.00	52,599.00	58,087.00
North America	10,706.76	10,619.60	10,435.71	10,149.19	11,528.27	11,314.54	11,508.97	11,478.52	11,732.27	12,706.88	13,317.13	13,574.78	14,311.91	15,162.59	15,872.23	16,357.69	17,284.71	17,436.00	18,794.96	18,543.32	18,407.11	19,285.22	19,077.20	19,850.41	20,623.49
Canada	1,159.08	1,080.83	1,103.58	1,091.64	1,266.96	1,230.26	1,256.89	1,273.59	1,408.13	1,469.77	1,541.91	1,669.09	1,793.08	1,899.97	1,978.34	1,968.77	2,157.33	2,226.50	2,403.74	2,282.12	2,314.87	2,382.68	2,361.70	2,459.47	2,682.05
Greenland	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.13	0.00	0.00	0.38	0.50	0.00	0.00	0.00	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.14	0.04	0.50
Mexico	44.83	35.19	40.62	61.92	67.23	72.71	60.18	67.88	73.45	72.64	102.46	120.08	117.90	133.70	176.52	179.57	150.44	159.39	174.70	203.71	178.90	241.70	230.22	243.37	257.96
United States	9,502.85	9,503.58	9,291.51	8,995.63	10,194.08	10,011.57	10,190.90	10,136.93	10,250.70	11,164.47	11,672.38	11,785.12	12,400.93	13,128.92	13,717.36	14,209.35	14,976.50	15,050.11	16,216.52	16,057.49	15,913.35	16,660.83	16,485.15	17,147.53	17,682.98
Central America and Caribbean	24.52	17.75	17.71	14.63	33.65	20.76	14.75	19.19	23.74	34.30	28.79	38.42	35.57	37.21	44.31	43.59	40.29	46.93	43.61	46.71	44.24	55.97	58.03	50.20	66.29
Antigua and Barbuda	0.00	0.00	0.00	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.86
Bahamas, The	0.00	0.00	0.00	0.00	0.00	0.50	1.00	1.44	1.00	3.00	0.22	1.75	2.00	1.71	4.58	0.13	0.76	2.23	0.17	1.27	0.44	2.87	0.47	0.33	1.50
Barbados	2.00	0.00	0.00	0.54	0.40	0.00	0.00	0.00	0.90	0.00	1.03	0.00	0.00	2.75	0.13	0.25	0.00	0.21	0.14	0.00	1.00	0.00	1.00	1.00	1.00
Belize	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.50	0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
Costa Rica	1.75	0.25	2.83	0.67	1.50	2.25	1.63	1.13	1.17	4.66	3.86	7.06	5.06	5.59	8.22	10.15	9.21	4.57	7.58	9.83	3.44	13.39	9.06	8.77	12.61
Cuba	4.11	2.53	2.87	4.60	11.83	2.52	2.00	1.78	3.65	2.67	0.33	5.65	5.15	3.15	3.36	5.35	6.01	5.44	8.52	5.30	4.69	4.43	18.81	8.46	8.91
Dominica	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	3.00	2.00	2.00	4.00	1.00	1.50	2.00	3.92	4.75	2.33	3.33	0.17	0.67	1.20	0.13	0.00
Dominican Republic	0.00	0.00	0.00	0.00	3.00	1.00	0.00	0.00	0.00	0.00	0.00	1.00	0.08	0.00	0.06	0.00	1.70	0.39	0.80	0.86	1.25	3.23	3.62	1.77	3.42
El Salvador	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.33	0.00	1.00	0.08	0.17	0.38	0.35	0.53	0.00	0.00	0.24
Grenada	0.00	0.00	0.00	0.00	0.00	0.00	0.17	0.00	0.33	0.00	0.17	0.00	0.00	0.00	0.33	0.00	0.17	2.20	0.00	1.50	1.10	0.59	0.21	0.05	0.25
Guatemala	5.17	0.00	0.00	0.25	0.25	1.00	0.00	0.00	0.45	0.50	1.50	0.67	1.83	0.50	0.50	0.00	0.00	0.21	2.06	2.78	0.60	2.35	0.33	2.34	2.34
Haiti	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.25	0.33	0.00	0.00	0.00	0.00	0.97	0.50	1.17	0.21	1.05	0.00	0.10	0.38	1.00
Honduras	0.00	0.00	0.00	0.17	0.14	0.00	0.00	0.00	0.50	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.83	0.00	0.33	1.00	1.46
Jamaica	0.58	0.58	0.45	1.56	1.40	1.35	2.17	1.53	1.24	1.33	1.18	2.67	2.41	5.50	1.37	2.70	1.15	3.48	3.00	2.50	1.63	6.93	5.33	3.33	4.22
Nicaragua	0.00	0.00	0.00	0.00	0.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.67	0.00	0.33	0.14	0.25	0.00	0.50	0.00	0.38	0.50	0.00
Panama	0.75	1.20	2.19	0.75	2.71	1.33	0.29	2.21	0.75	1.63	3.66	3.47	2.19	2.79	3.24	6.13	4.84	4.79	5.93	4.05	6.11	5.66	7.22	6.83	8.17
Puerto Rico	10.15	13.18	9.37	5.97	11.04	10.31	6.00	8.86	11.34	13.43	13.61	13.43	12.84	11.34	13.79	15.16	7.61	14.93	7.73	11.68	15.75	9.40	5.79	10.84	13.04
Saint Kitts and Nevis	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.25	0.00	0.00	0.00	0.00	0.33	0.00	0.75	0.00	0.00	1.33	0.58	1.00	0.00	0.75	0.04
Saint Lucia	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
Saint Vincent and the Grenadines	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.88
Trinidad and Tobago	0.00	0.00	0.00	0.00	1.00	0.50	0.50	1.25	1.90	3.00	0.98	0.40	0.00	2.87	4.75	1.33	1.67	3.00	3.78	1.68	4.75	4.94	3.18	2.74	6.33
South America	96.26	117.40	110.99	117.26	237.70	125.36	175.90	156.23	184.21	277.23	288.26	383.84	486.07	492.50	595.68	593.79	846.17	807.00	825.48	1,136.06	1,169.78	1,271.16	1,571.53	1,664.34	1,729.15
Argentina	21.48	20.31	18.58	30.64	29.85	25.89	32.95	33.49	34.31	46.87	42.19	51.04	71.86	86.25	109.53	101.23	141.88	129.61	133.16	176.10	156.19	166.08	202.90	209.65	203.12
Bolivia	0.00	0.00	0.12	0.00	1.25	0.33	0.00	0.01	0.01	1.75	1.00	1.01	1.41	0.83	0.34	1.60	0.86	0.49	1.04	1.31	1.25	0.63	0.81	1.06	2.69
Brazil	49.60	59.64	63.36	55.99	177.45	79.20	102.47	88.32	103.24	163.07	169.46	166.53	260.68	243.12	318.77	308.24	472.03	468.17	469.59	660.47	678.65	753.63	918.23	997.56	961.38
Chile	7.00	9.70	7.20	10.50	8.53	5.50	16.50	13.96	20.61	23.34	28.94	53.06	51.61	60.99	68.66	67.29	96.11	90.99	111.88	172.21	148.88	173.34	196.36	191.27	249.80
Colombia	8.31	12.50	9.73	8.10	8.63	7.15	8.96	11.94	15.26	15.47	31.72	86.50	64.69	76.37	67.92	85.42	95.76	81.70	71.84	79.02	123.49	114.41	168.32	181.25	175.71
Ecuador	0.00	0.00	0.00	0.25	0.40	0.00	1.50	0.00	1.73	0.67	0.17	0.30	1.23	1.64	0.67	0.73	3.33	0.00	0.50	7.92	13.79	12.74	19.51	25.08	35.43
Guyana	0.00	0.00	0.00	0.00	0.25	0.00	0.00	0.00	0.06	0.50	0.17	0.00	0.00	0.00	0.00	0.00	0.50	0.00	0.17	0.00	0.00	1.43	0.63	0.17	

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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
Paraguay	0.00	0.00	0.00	0.00	1.00	0.33	0.14	0.00	0.25	1.00	1.00	0.50	2.00	0.00	1.00	0.05	2.00	0.00	0.00	2.04	0.25	4.20	3.02	2.77	2.82
Peru	1.21	2.50	1.83	0.92	1.83	0.75	1.00	1.20	2.43	3.43	4.02	4.49	6.62	3.46	6.57	7.85	6.77	10.52	12.05	10.96	24.76	24.77	32.64	31.21	64.40
Suriname	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.80	0.00	1.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.25	0.00	0.17	0.07	1.18	1.82
Uruguay	1.83	4.00	0.00	2.67	2.00	1.67	5.30	1.11	1.83	11.37	4.00	9.67	8.67	5.88	10.28	9.65	10.68	10.31	18.16	15.41	15.63	16.57	21.16	19.36	25.37
Venezuela	6.83	8.75	10.17	8.19	6.50	4.53	7.08	6.21	4.47	8.98	5.60	9.75	17.31	13.98	11.93	11.74	16.22	15.21	7.08	10.38	6.89	4.63	7.09	3.33	6.45
Europe	5,553.35	5,716.36	5,641.34	5,939.77	7,075.83	6,953.60	7,325.00	7,824.16	8,553.80	8,985.29	9,705.77	10,560.24	11,911.15	12,408.57	13,116.73	14,519.94	15,619.27	16,619.35	17,592.92	17,927.69	18,418.94	19,704.79	20,252.20	21,013.72	23,719.17
EU-27 and UK ^a	5,282.66	5,430.25	5,365.94	5,604.07	6,666.76	6,563.05	6,911.86	7,362.97	8,030.25	8,389.71	9,060.32	9,808.01	11,035.08	11,447.28	12,115.77	13,465.65	14,420.61	15,275.67	16,224.16	16,352.25	16,698.88	17,744.12	18,013.67	18,489.16	20,649.45
UK	1,970.35	1,930.95	1,903.66	2,114.89	2,352.21	2,150.26	2,205.48	2,342.36	2,533.05	2,681.94	2,864.57	3,094.73	3,185.71	3,336.81	3,344.38	3,571.84	3,649.29	3,959.55	3,888.96	3,920.23	4,022.66	4,163.72	3,990.37	4,066.54	4,246.67
EU-27 ^b	3,312.31	3,499.30	3,462.28	3,489.19	4,314.55	4,412.79	4,706.38	5,020.61	5,497.20	5,707.78	6,195.75	6,713.28	7,849.38	8,110.47	8,771.39	9,893.82	10,771.32	11,316.12	12,335.20	12,432.01	12,676.22	13,580.40	14,023.30	14,422.62	16,402.78
Austria	66.84	79.87	63.14	69.65	51.21	81.06	87.90	94.86	98.34	107.63	116.37	114.13	148.82	152.64	196.81	227.23	260.90	289.29	316.83	316.53	280.58	320.91	295.76	340.72	393.72
Belgium	123.42	110.43	119.86	133.42	152.84	191.15	192.84	214.89	248.02	262.09	325.33	320.31	364.78	408.12	461.52	473.57	532.33	557.05	620.06	568.94	583.47	580.26	583.79	621.61	599.64
Bulgaria	14.38	6.50	10.42	4.00	8.63	3.26	0.74	5.15	1.01	5.37	5.26	6.20	10.07	8.88	3.58	5.95	13.01	10.98	8.52	12.77	8.56	20.78	30.09	35.96	24.70
Croatia	80.52	60.13	56.67	89.18	92.25	91.74	86.38	90.27	87.30	81.53	88.02	87.94	102.05	130.68	108.08	144.92	143.46	139.13	137.69	156.46	176.33	163.01	205.00	163.10	204.99
Cyprus	0.00	0.25	1.42	2.92	3.00	3.79	4.96	8.14	5.15	4.99	7.71	10.05	7.21	5.18	10.13	16.23	16.97	33.87	26.62	48.60	44.60	46.92	50.25	59.31	71.99
Czechia	48.73	55.51	42.08	41.04	32.12	45.90	44.41	40.46	49.68	51.31	62.00	75.25	73.29	68.47	77.17	86.33	88.15	99.43	88.55	108.63	128.40	139.27	142.63	191.05	193.14
Denmark	47.00	48.87	59.48	56.36	95.45	74.52	82.21	92.55	105.84	108.30	120.15	131.05	153.60	145.62	169.01	193.18	219.97	229.47	309.51	316.53	311.87	293.37	334.91	365.49	402.67
Estonia	3.25	4.33	5.54	10.47	9.42	9.75	6.33	16.74	14.07	12.41	15.69	25.67	14.84	15.96	24.46	23.73	38.01	38.97	34.09	31.21	41.12	29.71	41.75	37.35	51.07
Finland	130.82	128.55	138.86	121.99	162.32	130.29	135.16	164.69	210.56	168.31	177.13	188.14	250.38	268.61	260.30	334.85	340.66	322.15	376.39	344.70	400.37	326.48	367.36	344.98	396.02
France	525.78	594.77	530.42	499.94	554.80	900.79	902.42	963.11	1,076.71	1,053.13	1,112.58	1,221.29	1,278.13	1,340.79	1,395.86	1,436.97	1,456.73	1,579.10	1,516.28	1,570.12	1,540.18	1,550.47	1,524.87	1,362.95	1,560.67
Germany	846.34	898.21	900.21	994.30	1,106.35	1,075.96	1,167.74	1,196.14	1,250.82	1,398.90	1,469.17	1,575.07	1,854.02	1,929.71	2,016.66	2,268.24	2,496.62	2,662.76	2,913.20	2,875.63	2,992.11	3,219.34	3,316.26	3,313.57	3,729.59
Greece	16.22	32.27	21.26	18.42	25.83	23.48	29.59	43.19	49.14	60.16	71.68	58.05	76.74	85.16	116.89	117.76	127.97	122.12	117.64	127.33	114.98	136.05	154.39	143.89	197.84
Hungary	22.89	23.27	18.31	19.21	26.77	25.91	23.14	31.51	38.50	29.17	31.16	37.34	40.89	61.77	50.06	68.45	69.42	104.76	97.02	119.33	119.92	145.81	164.65	158.74	166.08
Ireland	42.08	31.37	42.08	30.96	56.24	48.21	50.88	32.23	71.44	58.57	65.29	79.80	97.81	96.28	116.48	128.12	122.85	130.16	158.32	166.61	154.22	180.90	174.61	226.54	277.84
Italy	279.87	320.83	374.28	326.83	411.60	424.11	468.27	521.08	562.14	604.58	650.32	640.04	781.30	835.00	877.42	1,048.27	1,196.94	1,240.70	1,438.51	1,506.97	1,558.67	1,618.88	1,770.96	1,836.71	2,257.15
Latvia	0.00	0.00	1.25	0.00	1.00	2.00	1.00	0.85	0.92	1.83	1.00	0.84	2.39	0.83	1.20	0.00	0.88	2.45	5.97	7.13	1.85	3.34	4.76	8.73	4.24
Lithuania	0.77	0.50	0.00	0.00	1.00	0.00	1.33	1.69	8.06	5.27	3.36	3.16	2.63	3.23	5.52	2.85	4.84	1.28	10.34	6.19	11.01	14.92	21.71	28.24	48.80
Luxembourg	1.00	0.00	1.00	0.00	0.00	0.00	1.00	2.33	1.00	2.38	3.20	4.14	3.09	4.18	12.99	13.45	16.54	23.43	24.23	22.48	26.31	25.07	22.37	27.26	34.89
Malta	0.00	0.00	1.00	0.00	0.00	0.67	1.50	1.03	0.05	1.64	2.94	1.61	3.50	2.00	2.92	3.53	4.46	5.17	7.79	4.73	6.18	11.34	8.07	6.75	13.53
Netherlands	473.54	477.67	458.88	464.35	569.82	517.48	578.98	612.12	669.29	705.62	760.41	902.38	1,115.91	1,050.85	1,200.43	1,293.26	1,330.92	1,282.54	1,386.55	1,296.23	1,314.92	1,420.59	1,357.12	1,442.65	1,596.90
Poland	45.68	43.48	27.33	36.40	62.41	34.57	35.04	38.65	51.23	65.09	46.22	78.01	91.39	94.51	99.37	148.43	179.01	226.37	268.99	402.06	429.43	413.58	471.98	526.09	673.62
Portugal	21.67	11.25	21.79	19.17	33.17	31.57	32.62	31.13	32.48	46.63	65.46	67.18	118.40	114.87	128.10	177.80	259.66	305.12	366.66	377.18	354.77	517.52	480.49	470.96	532.11
Romania	3.00	4.81	0.17	3.00	3.65	2.67	3.07	2.95	9.90	6.74	6.02	13.60	23.05	21.86	35.74	48.38	84.07	112.18	89.63	78.45	64.77	95.01	165.10	178.04	221.01
Slovakia	38.50	47.92	52.56	42.13	52.06	31.08	26.33	27.77	34.87	21.95	24.69	26.95	33.38	27.07	34.96	27.41	27.93	36.57	21.17	34.09	52.63	47.77	62.51	69.14	88.95
Slovenia	2.83	4.22	10.92	5.56	22.00	24.00	17.95	22.78	31.10	19.89	26.21	34.31	31.80	26.18	32.47	36.02	51.28	29.80	54.87	42.58	69.07	59.86	53.21	61.32	78.82
Spain	257.06	247.93	316.45	290.24	436.02	363.11	462.88	464.50	512.60	540.40	590.35	659.29	824.99	881.89	1,020.81	1,171.82	1,277.69	1,318.16	1,430.19	1,343.47	1,383.31	1,679.10	1,614.99	1,816.43	1,987.03

Table SPBS-15

S&E articles in psychology, fractional 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
Sweden	220.13	266.36	186.93	209.65	344.62	275.70	261.71	299.79	277.00	283.88	348.02	351.51	344.93	330.13	312.44	397.08	410.05	413.13	509.58	547.07	506.59	520.14	603.69	585.03	595.74
Other Europe	270.69	286.11	275.39	335.70	409.08	390.56	413.14	461.19	523.55	595.58	645.45	752.23	876.06	961.29	1,000.96	1,054.29	1,198.66	1,343.67	1,368.76	1,575.44	1,720.06	1,960.66	2,238.53	2,524.56	3,069.72
Other Europe, 2020 ^b	2,241.04	2,217.06	2,179.05	2,450.59	2,761.28	2,540.82	2,618.62	2,803.55	3,056.60	3,277.51	3,510.02	3,846.96	4,061.77	4,298.09	4,345.34	4,626.13	4,847.95	5,303.23	5,257.71	5,495.67	5,742.72	6,124.39	6,228.91	6,591.10	7,316.39
Albania	1.00	0.00	0.00	0.00	0.00	0.00	0.33	0.00	0.00	0.00	0.00	0.00	0.83	0.00	0.00	1.00	1.00	0.00	0.00	0.06	0.17	1.28	0.43	2.24	0.65
Andorra	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.25	0.00	0.00	0.00	0.00	0.00
Belarus	2.00	0.00	1.00	1.00	4.00	0.00	1.14	0.00	0.00	1.00	0.00	0.00	2.00	1.15	0.00	0.14	0.25	0.14	1.00	4.67	0.17	0.50	1.13	4.00	4.10
Bosnia and Herzegovina	0.00	0.00	0.00	1.00	1.00	3.07	2.00	1.41	3.00	2.00	3.50	5.08	5.25	3.40	3.92	10.15	10.03	12.73	9.50	10.38	8.60	16.68	10.71	15.81	19.76
Holy See (Vatican City)	0.00	0.10	0.00	0.00	1.00	0.00	0.00	0.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Iceland	6.67	3.50	5.67	4.50	6.62	6.50	6.03	7.67	11.11	5.31	13.76	13.70	15.29	18.35	18.05	18.59	13.52	20.87	17.55	22.59	16.19	11.47	19.64	23.56	31.48
Kosovo	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.33	0.00	0.00	0.75	0.47	2.11	1.00	3.27	3.40	6.52
Liechtenstein	0.00	0.00	0.00	0.00	0.50	0.00	0.25	0.00	0.00	1.00	0.67	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.00	1.00	1.00	0.00	1.20	0.51	1.33
Moldova	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.22	0.00	0.03	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17
Monaco	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	0.00	2.06	0.00	0.08	0.13	0.08	0.05	0.00	0.00	0.42
Montenegro ^c	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.25	0.00	0.00	1.00	1.00	0.00	1.00	0.29	2.33	1.00	1.00	3.50	1.00	3.39
North Macedonia	0.00	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.72	1.00	0.50	0.00	1.00	1.17	1.08	1.21	0.07	0.11	2.09	4.41	4.19	5.38	15.85	8.53	5.70
Norway	88.45	104.86	92.35	86.13	114.00	113.03	130.11	125.63	129.63	156.59	176.64	178.14	208.81	231.24	258.52	277.72	319.35	323.26	327.14	353.63	333.12	360.53	413.46	446.86	554.01
Russia	30.79	25.53	28.48	85.47	67.94	57.43	73.72	75.77	88.40	78.25	86.94	92.74	89.63	106.29	95.21	94.15	140.37	171.17	171.30	307.84	421.79	490.36	578.22	725.19	821.60
San Marino	0.00	0.00	0.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17	0.00	0.00	0.00	0.33	0.00
Serbia ^c	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	36.02	34.38	38.30	26.42	33.90	41.77	36.95	53.35	53.21	53.84	52.68	78.15	89.94	87.22
Serbia and Montenegro ^d	4.60	6.00	4.40	6.50	8.42	5.13	3.29	3.23	5.56	4.56	5.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Switzerland	115.59	123.19	116.82	116.10	166.34	155.31	147.05	184.15	206.02	256.54	243.78	298.09	371.77	402.34	442.45	456.32	503.47	590.98	596.41	584.16	626.15	622.18	653.54	628.77	685.92
Turkey	21.10	18.43	22.75	31.99	32.63	43.76	46.58	63.33	73.73	87.12	112.64	125.82	145.78	152.29	146.64	149.57	164.60	181.00	182.96	222.43	249.13	389.02	448.42	514.07	742.27
Ukraine	0.50	3.00	2.13	3.00	6.63	6.33	2.64	0.01	3.15	2.20	1.37	1.87	1.33	5.76	5.67	8.21	2.17	2.86	6.33	7.73	2.50	8.52	11.02	60.35	105.19
Middle East	203.70	229.05	238.83	225.68	272.33	305.13	325.21	362.28	350.58	375.24	392.08	416.38	480.49	448.33	484.68	543.19	589.62	632.41	740.50	809.50	891.41	949.93	1,125.68	1,349.01	1,750.64
Armenia	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	0.00	0.00	1.67	1.17	0.50	2.64	0.67	3.50	1.66	5.36	2.61	2.48
Azerbaijan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.50	0.00	0.00	1.33	0.01	0.50	0.00	0.00	1.00	0.33	0.00	1.00	0.00	2.38	2.72	2.23
Bahrain	0.25	0.00	0.00	0.50	0.00	1.00	0.00	2.25	1.33	3.50	2.25	0.00	2.50	2.00	2.29	1.00	0.00	2.62	4.53	0.67	0.14	0.56	2.13	4.19	3.42
Gaza Strip ^e	0.00	0.67	0.00	0.00	0.50	1.33	0.25	1.00	0.67	1.53	0.83	0.70	2.08	0.00	2.79	0.74	1.14	1.00	0.00	0.55	0.57	1.53	0.87	1.01	1.65
Georgia	0.00	0.00	0.00	0.20	0.67	0.20	0.25	0.00	0.30	0.17	0.08	0.33	1.62	0.27	0.60	1.45	2.48	3.39	1.40	2.27	4.90	2.90	7.46	10.47	8.00
Iran	1.00	2.21	0.20	3.05	9.43	6.00	11.08	17.01	23.18	23.29	30.57	37.73	52.15	39.44	54.21	46.33	54.93	81.63	86.86	115.46	158.50	196.01	244.93	436.53	538.19
Iraq	0.00	0.00	0.00	0.00	0.65	0.00	1.00	0.00	1.17	2.55	0.42	0.50	0.50	1.14	0.00	0.20	2.00	0.63	0.58	2.00	1.46	4.24	4.50	6.21	120.16
Israel	189.20	207.67	221.27	203.48	237.33	267.02	274.64	300.99	276.57	288.01	299.20	327.08	364.26	358.83	358.33	420.22	466.77	450.89	539.99	565.22	616.43	623.46	694.23	695.48	802.71
Jordan	1.83	0.00	3.00	3.00	6.00	3.25	3.00	3.51	2.34	6.50	5.49	6.50	2.88	7.01	11.09	10.61	9.23	14.70	19.20	14.40	8.42	16.90	19.52	24.44	51.14
Kuwait	2.67	7.25	7.37	5.00	5.83	9.00	15.28	16.83	22.49	21.91	31.02	17.58	22.91	14.40	13.40	12.33	16.27	14.62	9.20	10.92	4.10	6.40	9.95	12.32	7.43
Lebanon	1.00	2.33	1.00	1.25	1.50	4.08	7.00	0.72	4.66	12.74	8.06	10.84	8.73	5.22	12.21	10.83	6.36	9.59	13.23	13.10	10.33	15.04	22.00	30.47	38.14

Table SPBS-15

S&E articles in psychology, fractional 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
Liberia	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.50	0.00	0.00	0.33	0.33	2.31	1.06	0.25
Libya	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.33	0.00	0.00	0.67	0.67	1.00	0.25	2.75	1.04	0.14	3.13	0.67	1.03	1.37	1.58	2.90
Madagascar	0.80	1.33	7.87	5.33	6.87	3.42	1.07	2.79	0.88	1.61	2.58	1.96	3.65	2.85	3.68	4.48	2.10	3.79	6.36	7.34	1.99	5.55	6.00	2.39	4.52
Malawi	0.21	0.17	1.25	0.00	0.00	0.00	0.00	0.00	0.20	0.20	1.25	1.00	1.67	1.26	0.48	1.56	0.00	0.00	0.03	0.55	2.38	1.47	2.15	0.63	1.97
Mali	0.00	0.00	0.00	0.00	0.00	0.43	0.00	0.00	0.00	0.33	0.00	0.45	0.00	0.00	0.06	0.00	0.64	0.15	0.17	0.00	0.00	0.00	0.33	0.25	0.12
Mauritania	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.64	0.00
Mauritius	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.02	0.00	1.48	1.00	3.14	0.50	1.57	1.14	2.00	4.80	1.00	2.00	1.60	2.00	0.95
Morocco	0.17	0.13	0.13	1.90	1.57	1.75	2.00	0.01	1.02	1.02	1.20	1.21	1.85	1.35	1.50	3.00	6.25	3.00	2.45	4.22	3.46	1.30	32.77	85.70	36.35
Mozambique	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.50	0.20	0.33	0.00	0.00	0.07	0.50	0.00	0.50	0.14	0.00	0.30	2.20	2.05	1.52
Namibia	0.00	1.50	0.00	0.00	0.00	0.00	0.25	0.00	0.14	0.25	0.70	0.00	1.00	0.00	1.00	1.20	4.18	2.05	2.10	2.47	0.58	3.39	1.45	4.39	3.34
Niger	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.25	0.53	0.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	0.00	0.40
Nigeria	4.75	6.67	1.90	2.00	4.18	1.38	3.39	4.17	9.35	6.55	16.17	12.67	6.21	15.52	10.83	15.75	14.09	10.12	22.90	26.29	35.83	54.30	38.76	96.28	55.71
Rwanda	0.00	0.00	0.00	0.00	0.00	1.17	0.50	0.00	0.53	0.58	0.00	0.57	1.50	0.61	1.13	1.73	0.85	1.90	3.60	1.93	3.33	1.41	3.00	1.83	4.52
São Tomé and Príncipe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Senegal	1.25	1.00	0.00	0.92	0.50	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	0.33	0.12	1.79	2.56	0.30	0.39	0.00	1.63	0.25	3.23	0.55	1.22
Seychelles	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17	0.00	0.00	1.88	0.00	0.63	0.13	0.17	0.00	0.17	0.00	0.07	0.00	0.32	0.17	0.28	0.50
Sierra Leone	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.83	0.00	0.00	0.00	0.00	0.00	0.11	0.54	0.17	0.44	1.25	0.69	0.17
Somalia	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.25	1.00
South Africa	88.01	105.37	89.97	88.11	88.16	84.89	97.42	105.69	102.63	106.82	139.33	135.86	125.56	138.45	160.49	165.22	212.65	221.49	210.59	239.36	238.20	333.48	301.28	367.14	395.15
South Sudan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.00	0.00	0.00	0.00	0.00
Sudan	0.33	0.25	0.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	0.25	0.00	4.00	0.00	1.40	0.40	1.00	1.92	0.67	1.15	0.48	1.39	2.03	0.93	1.39
Tanzania	0.64	0.25	3.00	0.00	0.67	1.25	1.63	0.78	1.10	0.83	3.12	0.63	2.02	1.43	4.48	1.40	1.56	0.91	6.51	4.67	2.68	2.78	6.23	8.08	8.32
Togo	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.92	0.00	0.00	0.00	0.20	0.50	0.00	0.00	0.00	0.00	0.00	0.65	0.40	0.25	1.08	1.01
Tunisia	1.00	2.71	1.00	0.00	0.67	1.00	5.25	0.75	1.00	3.15	2.33	1.75	1.01	2.19	9.80	4.54	8.05	2.11	11.57	8.96	12.70	11.34	14.21	18.83	18.71
Uganda	1.42	0.88	0.33	0.00	1.83	1.45	1.25	0.92	2.33	2.25	6.43	0.77	4.36	3.66	7.26	3.71	7.00	7.64	8.03	5.96	8.78	7.21	6.86	8.42	11.78
Zambia	0.00	0.96	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.20	0.33	1.93	1.93	0.37	0.33	3.83	0.14	0.77	4.24	0.47	3.42	4.33	4.62	2.75	2.28
Zimbabwe	1.58	1.50	1.00	1.17	2.02	2.60	2.70	0.59	0.27	0.67	0.50	0.51	1.04	3.41	2.75	0.00	3.66	2.93	2.16	2.93	3.10	3.56	4.19	15.43	5.25
Asia	650.59	779.49	685.80	624.65	833.41	766.45	797.86	859.67	948.95	1,019.25	1,191.74	1,364.91	1,442.13	1,666.18	1,853.18	2,198.17	2,533.05	2,744.53	2,980.13	3,761.62	3,741.31	4,029.13	4,671.96	5,387.61	6,752.83
Afghanistan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.33	1.00	0.00	0.00	0.00	0.00	0.00	0.50	1.20	0.00	0.33	0.00	0.00	3.00	0.20	2.33	0.95
Bangladesh	1.00	0.50	0.20	0.60	1.36	0.86	0.20	1.39	0.47	1.13	1.50	1.70	2.46	0.37	6.01	6.00	0.67	6.86	7.18	4.82	10.64	11.86	21.37	16.48	26.27
Bhutan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.71	0.00	1.81	1.08
Brunei	0.00	0.00	0.50	0.00	0.00	1.00	1.00	0.00	0.50	0.00	0.00	2.50	0.00	0.25	0.00	0.00	0.43	1.50	0.00	0.00	0.80	0.96	0.00	3.96	2.31
Burma	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.50	0.00	1.50	0.00	0.00	0.73	0.00	0.00	0.00	0.13	0.17	0.50	0.50	1.01	1.30
Cambodia	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.25	0.00	0.50	0.26	0.25	2.08	0.70	0.37	1.53	0.00	0.77	0.25	0.13	0.63	4.14
China	94.59	104.03	99.31	84.50	121.37	118.30	119.32	141.74	165.84	181.46	197.68	243.59	301.11	412.76	488.13	600.92	783.75	790.51	968.47	1,225.52	1,417.33	1,644.11	1,960.26	2,549.81	3,368.03
India	34.33	32.57	33.98	33.14	50.73	34.08	37.48	38.27	60.08	49.96	63.49	75.45	86.42	79.63	106.16	109.32	127.51	190.39	198.94	235.80	270.17	267.70	391.04	388.96	418.33

Table SPBS-15

S&E articles in psychology, fractional 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	
Tonga	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.00	0.00	0.00	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tuvalu	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00
Vanuatu	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unassigned	584.89	753.46	704.45	880.82	579.55	514.10	364.70	405.42	161.35	173.83	217.14	221.28	206.67	131.15	122.20	116.35	90.87	89.12	68.00	34.23	32.83	57.04	61.81	178.89	151.97	

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 a selection of conference proceedings and peer-reviewed journals in S&E fields 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 the author(s) listed in the article. Articles are credited on a fractional count basis (i.e., for articles produced by authors from different countries, each country receives fractional credit on the basis of the proportion of its participating authors). Data are not directly comparable to *Science and Engineering Indicators 2020*; see the Technical Appendix for information on data filters. The sum of the fractional count for regions, countries, and economies may not add to the world total because of rounding. Some publications have incomplete address information for coauthored publications in the Scopus database. The Unassigned category count is the sum of fractional 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