

1. Trying Changes [all]

Key Facts

2017	Journals	Articles	Art%	\$/Art
All	10,293	563,146		\$876
Fee	3,122	316,836	56%	\$1,557
No-fee	7,171	246,310	44%	
Biomed	2,694	200,835	36%	\$1,240
Fee	1,438	139,983	70%	\$1,779
No-fee	1,256	60,852	30%	
STEM	2,814	225,666	40%	\$1,011
Fee	1,126	151,363	67%	\$1,508
No-fee	1,688	74,303	33%	
Hum&SS	4,785	136,645	24%	\$118
Fee	558	25,490	19%	\$634
No-fee	4,227	111,155	81%	

Table 1. Key facts, 2017 universe

2 GOAJ3: Gold Open Access Journals 2013-2018

	Jrn.	Art.	Art%	Rel%	\$/Art	Rel%
All	1,923	73,299			\$49	-94%
Fee	124	10,462	14%	-75%	\$341	-78%
No-fee	1,799	62,837	86%	96%		
Biomed	264	16,924	23%	-35%	\$107	-91%
Fee	43	4,287	25%	-64%	\$422	-76%
No-fee	221	12,637	75%	146%		
STEM	418	18,186	25%	-38%	\$89	-91%
Fee	66	5,556	31%	-54%	\$290	-81%
No-fee	352	12,630	69%	111%		
H&SS	1,241	38,189	52%	115%	\$4	-97%
Fee	15	619	2%	-91%	\$229	-64%
No-fee	1,226	37,570	98%	21%		

Figure 2. Latin America, Key Facts [2017]

	Journals	Articles	%No-fee	\$/article
Largest: 600+	116	163,483	13%	\$1,685.94
Large: 150-599	618	117,350	26%	\$1,108.61
Med.: 60-149	1,887	123,579	57%	\$462.64
Small: 20-59	5,340	136,837	78%	\$198.90
Smallest: 0-19	2,332	21,897	81%	\$143.16

Figure 3. All journals, journal size

Region	Journals	Articles	%No-fee	\$/article
Western Europe	3,155	248,034	27%	\$1,430.78
Latin America	1,923	73,299	86%	\$48.61
Pacific/English	753	70,874	22%	\$1,299.50
Eastern Europe	1,622	62,151	72%	\$76.78
Asia	1,556	56,835	55%	\$153.54
Middle East	1,158	45,245	47%	\$608.50
Africa	126	6,708	41%	\$248.19

Figure 4. All journals, regions

Category	Journals	Articles	%No-fee	\$/article
Open Access	2,089	182,599	14%	\$1,512.88
Univ/college	5,273	175,080	76%	\$129.72
Traditional	1,027	112,474	30%	\$1,413.63
Society/govt	784	46,543	53%	\$521.63
Miscellaneous	1,120	46,450	62%	\$236.94

Figure 5. All journals, publisher category

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Subject	Jour.	Art.	%No-fee	\$/article
Medicine	2,331	165,953	34%	\$1,135.61
Other Sciences	196	67,122	10%	\$1,731.76
Biology	363	34,882	13%	\$1,733.93
Agriculture	393	21,662	39%	\$733.35
Engineering	372	21,330	41%	\$703.62
Education	674	19,833	82%	\$67.33
Physics	153	19,553	47%	\$808.21
Ecology	281	19,178	31%	\$874.21
Technology	190	17,832	64%	\$570.13
Economics	634	17,175	69%	\$81.56
Language & Literature	609	16,860	86%	\$32.70
Chemistry	161	15,235	28%	\$962.02
Earth Sciences	351	15,206	51%	\$557.28
Sociology	409	12,283	80%	\$134.13
Anthropology	426	12,276	79%	\$109.79
Computer Science	262	10,143	43%	\$439.28
Zoology	215	10,029	31%	\$557.17
Mathematics	240	8,376	52%	\$607.50
Miscellany	202	8,359	74%	\$77.79
History	258	6,933	95%	\$8.19
Psychology	173	6,894	54%	\$1,081.33
Law	279	6,641	91%	\$20.81
Political Science	232	6,342	91%	\$32.76
Arts & Architecture	248	6,170	85%	\$76.93
Media & Communications	188	5,379	93%	\$40.81
Religion	169	4,449	81%	\$105.56
Philosophy	160	4,082	96%	\$50.07
Library Science	124	2,969	97%	\$3.95

Figure 6. All journals, subjects

Country	Jour.	Articles	%No-fee	\$/article
United Kingdom	975	107,519	5%	\$2,008.95
United States	545	63,709	18%	\$1,381.38
Switzerland	272	59,455	6%	\$1,812.83
Brazil	1,095	51,227	82%	\$60.62
Indonesia	1,011	21,006	64%	\$30.94
Egypt	558	18,748	10%	\$1,388.83
Germany	271	16,699	58%	\$519.48
India	196	16,562	49%	\$213.55
Poland	463	16,485	74%	\$100.33
Spain	576	16,332	94%	\$21.47
Netherlands	217	15,789	44%	\$1,052.34
France	194	14,480	95%	\$50.64
Iran	316	12,496	73%	\$43.62
Russia	194	12,229	83%	\$16.68
Turkey	229	10,393	80%	\$61.54
Romania	280	8,495	69%	\$31.55
Italy	283	8,020	78%	\$187.71
China	78	7,114	40%	\$243.26
Colombia	266	7,042	98%	\$0.37
Ukraine	119	6,945	55%	\$18.83
Canada	122	4,197	64%	\$654.01
Serbia	126	4,005	73%	\$199.43
Argentina	160	3,424	91%	\$43.20
South Korea	59	3,173	63%	\$210.31
Mexico	98	3,004	85%	\$25.66
South Africa	72	2,882	30%	\$444.57
Australia	73	2,796	63%	\$477.45
Czech Republic	81	2,624	71%	\$118.12
Croatia	85	2,604	75%	\$130.84
Portugal	85	2,485	74%	\$162.24
Chile	80	2,031	83%	\$91.01
Cuba	47	1,952	100%	\$0.00

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Country	Jour.	Articles	%No-fee	\$/article
Bulgaria	36	1,891	37%	\$325.68
Sweden	48	1,890	37%	\$1,056.70
Pakistan	34	1,673	33%	\$135.54
Taiwan	26	1,587	72%	\$103.91
Saudi Arabia	14	1,455	84%	\$47.40
Iraq	17	1,380	6%	\$75.39
Slovenia	49	1,356	87%	\$45.59
Ecuador	36	1,326	100%	\$0.00
Malaysia	32	1,241	53%	\$99.64
Costa Rica	47	1,230	100%	\$0.00
Norway	70	1,216	93%	\$99.76
Greece	30	1,171	67%	\$100.04
Algeria	15	1,165	100%	\$0.00
Peru	35	1,096	96%	\$7.06
Slovakia	38	1,020	69%	\$54.17
Japan	17	955	27%	\$1,098.41
Austria	40	920	68%	\$214.87
Moldova	23	875	62%	\$14.01
Uganda	1	850	0%	\$180.00
Thailand	21	822	74%	\$72.27
Hong Kong	21	762	61%	\$297.85
Lithuania	35	734	70%	\$108.96
Hungary	25	684	82%	\$65.63
Bangladesh	17	607	69%	\$24.02
Belgium	33	602	93%	\$49.79
Finland	19	532	72%	\$217.78
Nigeria	5	500	8%	\$193.73
Nepal	15	428	100%	\$0.00
Latvia	10	387	69%	\$219.35
Venezuela	22	371	60%	\$84.10
Macedonia	8	354	34%	\$158.06
Singapore	9	347	41%	\$757.98

Country	Jour.	Articles	%No-fee	\$/article
Ireland	14	341	60%	\$665.11
Belarus	6	328	100%	\$0.00
Bosnia and Herzegovina	13	323	76%	\$113.10
Iceland	6	313	100%	\$0.00
Uruguay	14	307	100%	\$0.00
Montenegro	6	287	70%	\$39.29
Kenya	3	268	0%	\$294.10
United Arab Emirates	6	268	0%	\$470.47
Philippines	5	246	40%	\$41.83
Estonia	15	244	100%	\$0.00
Denmark	18	229	84%	\$52.35
Morocco	10	215	89%	\$20.09
Sri Lanka	10	213	100%	\$0.00
Oman	5	191	100%	\$0.00
Tunisia	5	179	30%	\$97.31
New Zealand	13	172	93%	\$83.72
Ethiopia	4	156	100%	\$0.00
Dem. Rep. Congo	1	138	100%	\$0.00
Libya	3	135	59%	\$41.48
Georgia	2	126	100%	\$0.00
Cameroon	1	124	0%	\$189.00
Qatar	5	111	91%	\$89.64
Paraguay	5	100	100%	\$0.00
Cyprus	4	90	72%	\$75.83
Jordan	2	86	100%	\$0.00
Ghana	5	85	48%	\$49.18
Israel	3	82	100%	\$0.00
Mongolia	3	61	30%	\$52.87
Bolivia	4	57	100%	\$0.00
Albania	2	42	100%	\$0.00
Kyrgyzstan	2	38	100%	\$0.00
Barbados	1	32	100%	\$0.00

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Country	Jour.	Articles	%No-fee	\$/article
El Salvador	1	26	100%	\$0.00
Malta	2	25	100%	\$0.00
Lebanon	1	23	100%	\$0.00
Nicaragua	4	20	100%	\$0.00
Puerto Rico	2	19	100%	\$0.00
Luxembourg	2	16	100%	\$0.00
Guatemala	3	15	100%	\$0.00
Kazakhstan	1	13	0%	\$6.00
Yemen	1	12	100%	\$0.00
Mauritius	1	11	100%	\$0.00
Bahamas	1	10	100%	\$0.00
Turkmenistan	1	10	100%	\$0.00
Guam	1	5	0%	\$350.00
Jamaica	1	5	0%	\$1,000.00

Figure 7. All journals, countries

16. Latin America [GOAJ3]

Latin America (including the Caribbean) has the most gold OA journals of any OAWorld region and the highest percentage of free (no-fee) journals and articles. Seven of every ten articles come from Brazil.

Journals and Articles

	Journals	Active 2017	Articles	Art/Jrnl
Free	1,793	1,714	62,556	36
Pay	124	119	10,462	88
Total	1,917	1,833	73,018	40
Free%	94%	94%	86%	

Table 16.1. Journals and articles, Latin America

The average APC-charging journal published 2.4 times as many articles in 2017 as the average no-fee journals, but there are so few APC journals that it doesn't make much difference.

	2017	2016	2015	2014	2013	2012
Journals	1,833	1,889	1,854	1,763	1,674	1,557
%Free	94%	93%	94%	93%	93%	92%
Articles	73,018	70,757	66,616	62,456	57,835	55,854
%Free	86%	85%	84%	82%	81%	79%

Table 16.2. Journals and articles by year, Latin America

Additions to *DOAJ* make these numbers considerably higher than in the previous study—and gold OA continues to grow in Latin America.

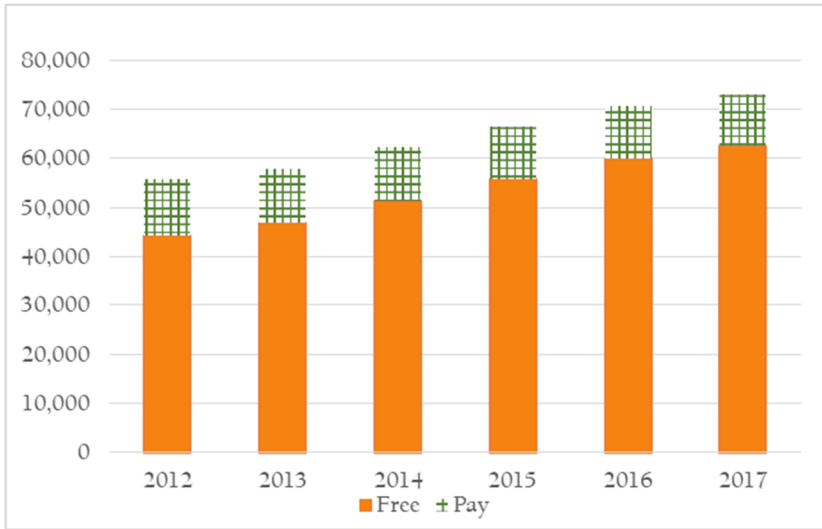


Figure 16.1. Free and pay articles by year, Latin America

Article Volume

	Journals	%Free	Articles	%Free
Largest: 600+	2	50%	148	23%
Large: 150-599	70	56%	11,578	55%
Med.: 60-149	362	85%	25,296	83%
Small: 20-59	1,149	98%	32,909	98%
Smallest: 1-19	250	97%	3,087	97%

Table 16.3. Article volume, Latin America

Small and medium-sized journals dominate Latin American OA. The top row of Table 16.3 needs clarification: journals are split into groups based on their *peak* volume, 2012-2017; both of the once-largest journals have been declining ever since 2012.

APC Levels

Expensive journals account for less than 0.5% of articles. Average cost per article in fee journals: \$341. Overall: a very low \$49.

	Jour.	%APC	%All	Art.	%APC	%All
\$1,400+	3	2%	0%	334	3%	0%
\$600-\$1.399	14	11%	1%	1,355	13%	2%
\$200-\$599	43	35%	2%	4,070	39%	6%
\$2-\$199	64	52%	3%	4,703	45%	6%
Free	1,793		94%	62,556		86%

Table 16.4. APC levels, Latin America

Starting Date

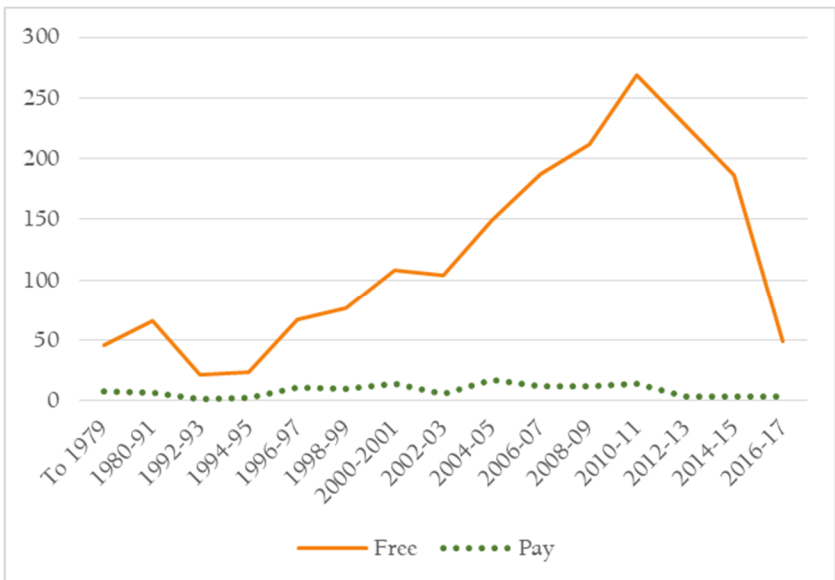


Figure 16.2. Starting dates, Latin America

Gold OA has a long tradition in Latin America, with 54 journals before 1980 and another 73 by 1991. New journals peaked in 2010-2011, but continue to appear at a healthy rate.

Segments

	Biomed	STEM	HSS
\$1,400+	2	1	0
Articles	283	51	0
Revenue	\$440,500	\$71,400	\$0
\$600-\$1.399	7	6	0
Articles	650	705	0
Revenue	\$524,216	\$598,033	\$0
\$200-\$599	20	18	4
Articles	1,984	1,843	243
Revenue	\$690,915	\$660,242	\$115,920
\$0.20-\$199	12	40	9
Articles	1,370	2,957	376
Revenue	\$152,890	\$283,716	\$25,538
Free	215	328	1,171
Articles	12,463	12,563	37,530

Table 16.6. Articles and revenue by segment, Latin America

What's interesting about Table 16.6 is what's missing, given that Latin America publishes so much OA: not a single Revenue cell of \$700,000 or higher—and the most revenue comes from fairly modest fees.

Publisher Category

Category	Journals	%Free	Articles	%Free
Univ/college	1,523	95%	55,993	89%
Society/govt	185	82%	11,568	73%
Miscellaneous	116	89%	4,777	76%
Open Access	5	100%	516	100%
Traditional	4	100%	164	100%

Table 16.6. Publisher Categories, Latin America

Growth and Shrinkage

Change 2016-17	Count	Percent	Cum%
Grew 50%+	269	14.0%	
Grew 25-49.9%	237	12.4%	26.4%
Grew 10-24.99%	265	13.8%	40.2%
Even, \pm 9.99%	514	26.8%	67.0%
Shrank 10-24.99%	240	12.5%	79.6%
Shrank 25-49.99%	223	11.6%	91.2%
Shrank 50%+	169	8.8%	

Table 16.7. Growth and shrinkage, Latin America

Significantly more growth than shrinkage (40.2% to 33%).

Visibility

Fee/APC	Free	%	Pay	%
Visible	1,469	81.9%	114	92.7%
Obscure	324	18.1%	9	7.3%

Table 16.8. Visibility, Latin America

An unfortunately large number of no-fee Latin American journals fail to say they lack fees in a visible way.

Countries

Country	Jour.	%Free	Articles	%Free
Brazil	1,095	92%	51,227	82%
Colombia	264	99%	7,002	98%
Argentina	159	94%	3,356	91%
Mexico	95	88%	2,831	84%
Chile	80	94%	2,031	83%
Cuba	47	100%	1,952	100%
Ecuador	36	100%	1,326	100%
Costa Rica	47	100%	1,230	100%
Peru	35	97%	1,096	96%
Venezuela, Bolivarian Republic of	22	86%	371	60%
Uruguay	14	100%	307	100%
Paraguay	5	100%	100	100%
Bolivia, Plurinational State of	4	100%	57	100%
Barbados	1	100%	32	100%
El Salvador	1	100%	26	100%
Nicaragua	4	100%	20	100%
Puerto Rico	2	100%	19	100%
Guatemala	3	100%	15	100%
Bahamas	1	100%	10	100%
Guam	1	0%	5	0%
Jamaica	1	0%	5	0%

Table 16.9. Country of publication, Latin America (complete)

Some of these countries may be Anglophile or Francophile, but not enough to justify separate treatment.

Subjects

Subject	Journals	%Free	Articles	%Free
Medicine	236	86%	14,646	79%
Education	159	98%	6,521	96%
Agriculture	94	68%	5,281	52%
Language & Literature	123	99%	4,198	99%
Economics	142	99%	3,646	99%
Sociology	128	100%	3,569	100%
Miscellany	82	99%	3,352	97%
Anthropology	100	97%	2,851	97%
Law	107	99%	2,707	98%
History	80	100%	2,222	100%
Earth Sciences	69	90%	2,191	84%
Zoology	38	66%	2,168	37%
Engineering	59	97%	2,133	96%
Biology	25	60%	2,104	45%
Media & Communications	54	98%	1,845	99%
Other Sciences	47	98%	1,793	93%
Ecology	51	88%	1,778	74%
Psychology	57	100%	1,683	100%
Political Science	57	98%	1,463	99%
Arts & Architecture	52	98%	1,377	100%
Philosophy	49	98%	1,259	99%
Technology	21	95%	1,156	96%
Library Science	26	100%	733	100%
Religion	23	96%	723	95%
Chemistry	8	50%	644	13%
Mathematics	14	100%	411	100%
Physics	6	67%	296	90%
Computer Science	10	100%	268	100%

Table 16.10. Subjects, Latin America (complete)

16. Latin America [new tables]

Latin America (including the Caribbean) has the most gold OA journals of any region and the highest percentage of no-fee journals and articles. Seven of every ten articles come from Brazil.

Key Facts

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No-fee	1,226	37,570	98%	21%		

Table 16.1. Key facts, Latin America

Latin America has exceptionally low costs per article and exceptionally high no-fee percentages, even in Biomed.

Journals and Articles

	2017	2016	2015	2014	2013	2012
Journals	1,839	1,895	1,860	1,769	1,678	1,561
%No-fee	94%	94%	94%	93%	93%	92%
Articles	73,299	71,002	66,869	62,723	58,084	56,064
%No-fee	86%	85%	84%	82%	81%	80%

Table 16.2. Journals and articles by year, Latin America

Additions to *DOAJ* make these numbers considerably higher than in the previous study—and gold OA continues to grow in Latin America.

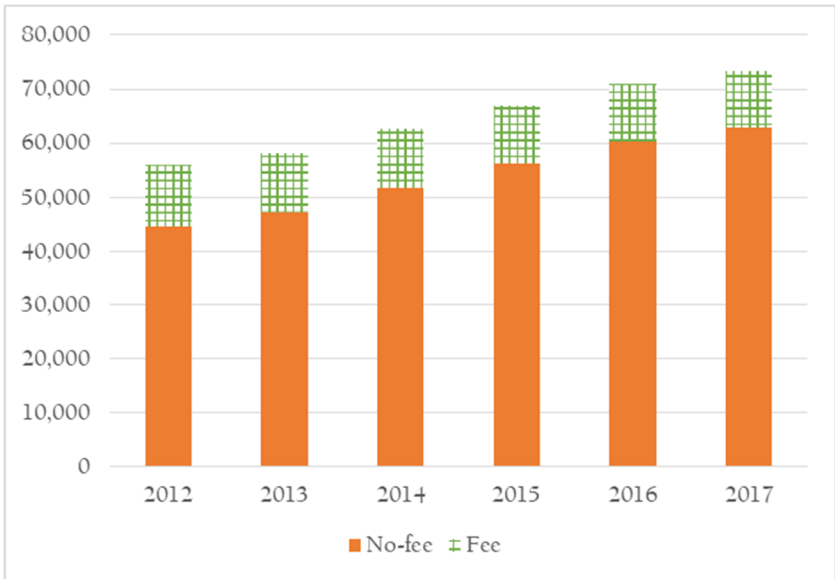


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Fee Levels

	Jour.	%Fee	%All	Art.	%Fee	%All
\$1,400+	3	2%	0%	334	3%	0%
\$600-\$1.399	14	11%	1%	1,355	13%	2%
\$200-\$599	43	35%	2%	4,070	39%	6%
\$2-\$1 99	64	52%	3%	4,703	45%	6%
No fee	1,799		94%	62,837		86%

Table 16.4. Fee levels, Latin America

Starting Date



Figure 16.2. Starting dates, Latin America

Gold OA has a long tradition in Latin America, with 54 journals before 1980 and another 73 by 1991. New journals peaked in 2010-2011, but continue to appear at a healthy rate.

Segments

	Biomed	STEM	HSS
\$1,400+	2	1	0
Articles	283	51	0
Revenue	\$440,500	\$71,400	\$0
\$600-\$1.399	8	6	0
Articles	650	705	0
Revenue	\$524,216	\$598,033	\$0
\$200-\$599	20	19	4
Articles	1,984	1,843	243
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Articles	12,637	12,630	37,570

Table 16.6. Articles and revenue by segment, Latin America

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Venezuela	22	371	60%	\$84.10
Uruguay	14	307	100%	\$0.00
Paraguay	5	100	100%	\$0.00
Bolivia	4	57	100%	\$0.00
Barbados	1	32	100%	\$0.00
El Salvador	1	26	100%	\$0.00
Nicaragua	4	20	100%	\$0.00
Puerto Rico	2	19	100%	\$0.00
Guatemala	3	15	100%	\$0.00
Bahamas	1	10	100%	\$0.00
Guam	1	5	0%	\$350.00
Jamaica	1	5	0%	\$1,000.00

Table 16.9. Country of publication, Latin America (complete)

Subjects

Subject	Jour.	Art.	%No-fee	\$/article
Medicine	239	14,820	79%	\$89.25
Education	159	6,521	96%	\$14.12
Agriculture	94	5,281	52%	\$97.64
Language & Literature	123	4,198	99%	\$0.01
Economics	142	3,646	99%	\$2.59
Sociology	128	3,569	100%	\$0.00
Miscellany	82	3,352	97%	\$3.94
Anthropology	100	2,851	97%	\$2.96
Law	107	2,707	98%	\$0.05
History	80	2,222	100%	\$0.00
Earth Sciences	69	2,191	84%	\$47.54
Zoology	38	2,168	37%	\$327.99
Engineering	59	2,133	96%	\$7.99
Biology	25	2,104	45%	\$230.89
Other Sciences	48	1,860	93%	\$3.90
Media & Communications	54	1,845	99%	\$4.63
Ecology	51	1,778	74%	\$22.63
Psychology	59	1,723	100%	\$0.00
Political Science	57	1,463	99%	\$0.09
Arts & Architecture	52	1,377	100%	\$0.00
Philosophy	49	1,259	99%	\$0.06
Technology	21	1,156	96%	\$1.10
Library Science	26	733	100%	\$0.00
Religion	23	723	95%	\$12.95
Chemistry	8	644	13%	\$330.59
Mathematics	14	411	100%	\$0.00
Physics	6	296	90%	\$12.80
Computer Science	10	268	100%	\$0.00

Table 16.10. Subjects, Latin America (complete)