

News Release

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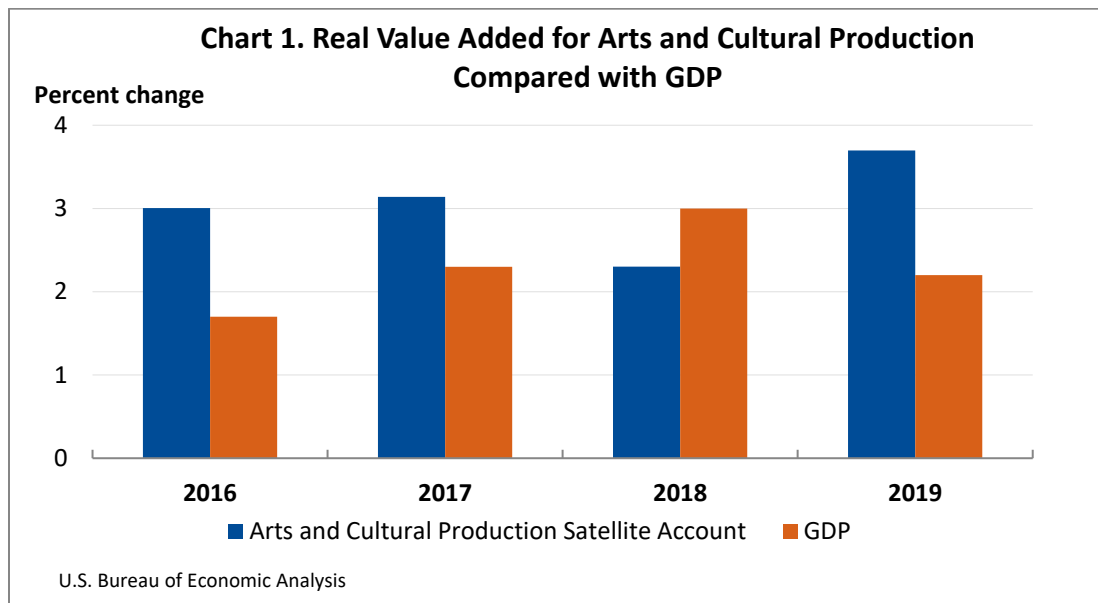
BEA 21-14

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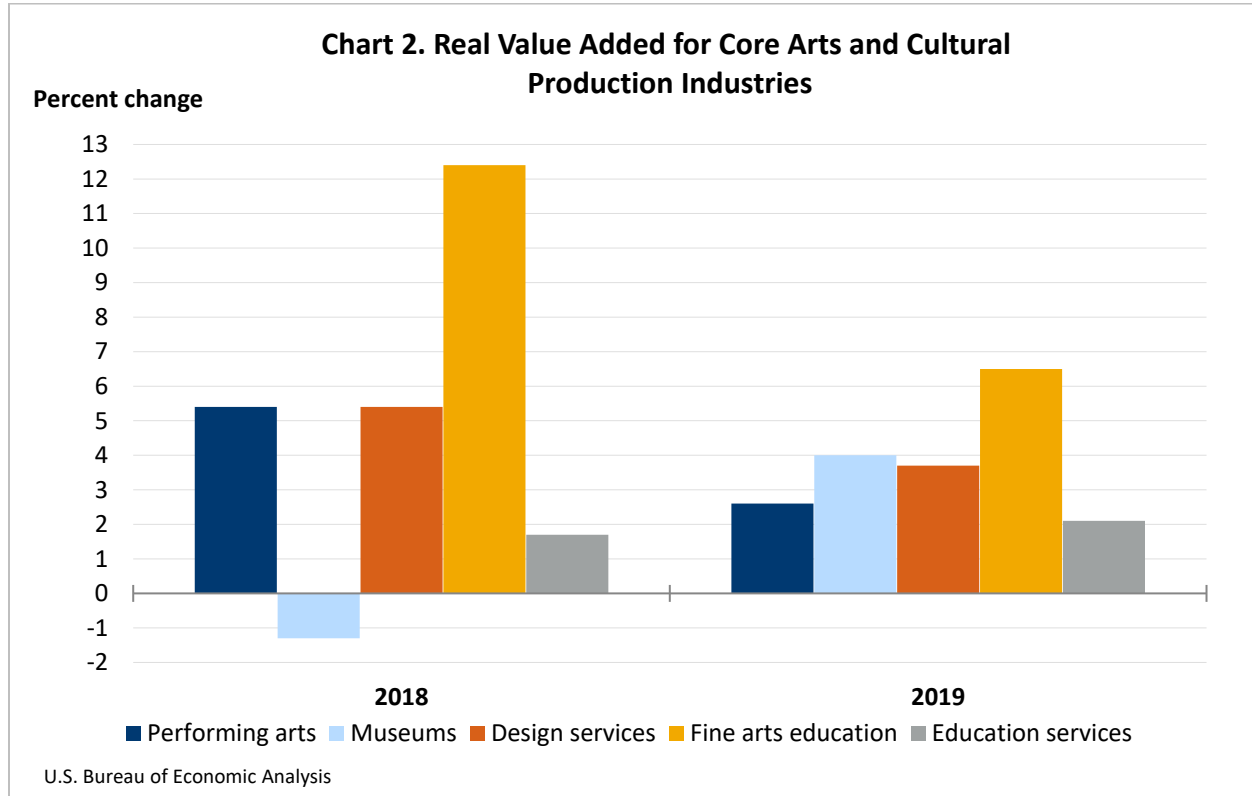
Arts and Cultural Production Satellite Account, U.S. and States

New statistics for 2018 and 2019; prior years updated

The Arts and Cultural Production Satellite Account released today by the U.S. Bureau of Economic Analysis (BEA) shows that arts and cultural economic activity, adjusted for inflation, increased 3.7 percent in 2019 after increasing 2.3 percent in 2018 (table 1). Arts and cultural economic activity accounted for 4.3 percent, or \$919.7 billion, of current-dollar gross domestic product (GDP), in 2019 (tables 2 and 3).



Core arts and cultural production industries, which include performing arts, museums, design services, fine arts education, and education services, increased 3.2 percent, adjusted for inflation, in 2019. Supporting arts and cultural production industries, which includes art support services and information services, increased 3.9 percent in 2019 (table 1). Information services was the leading contributor to the overall 4.4 percent current-dollar growth in arts and cultural production at the national level in 2019, followed by design services.



- For performing arts, real value added increased 2.6 percent in 2019 after increasing 5.4 percent in 2018. The leading contributor to the increase was independent artists, writers, and performers, which increased 2.2 percent in 2019 after increasing 5.6 percent in 2018.
- Museums increased 4.0 percent in 2019, after decreasing 1.3 percent in 2018.
- For design services, real value added increased 3.7 percent in 2019 after increasing 5.4 percent in 2018.
- Fine arts education increased 6.5 percent in 2019 after increasing 12.4 percent in 2018.
- Education services increased 2.1 percent in 2019 after increasing 1.7 percent in 2018.

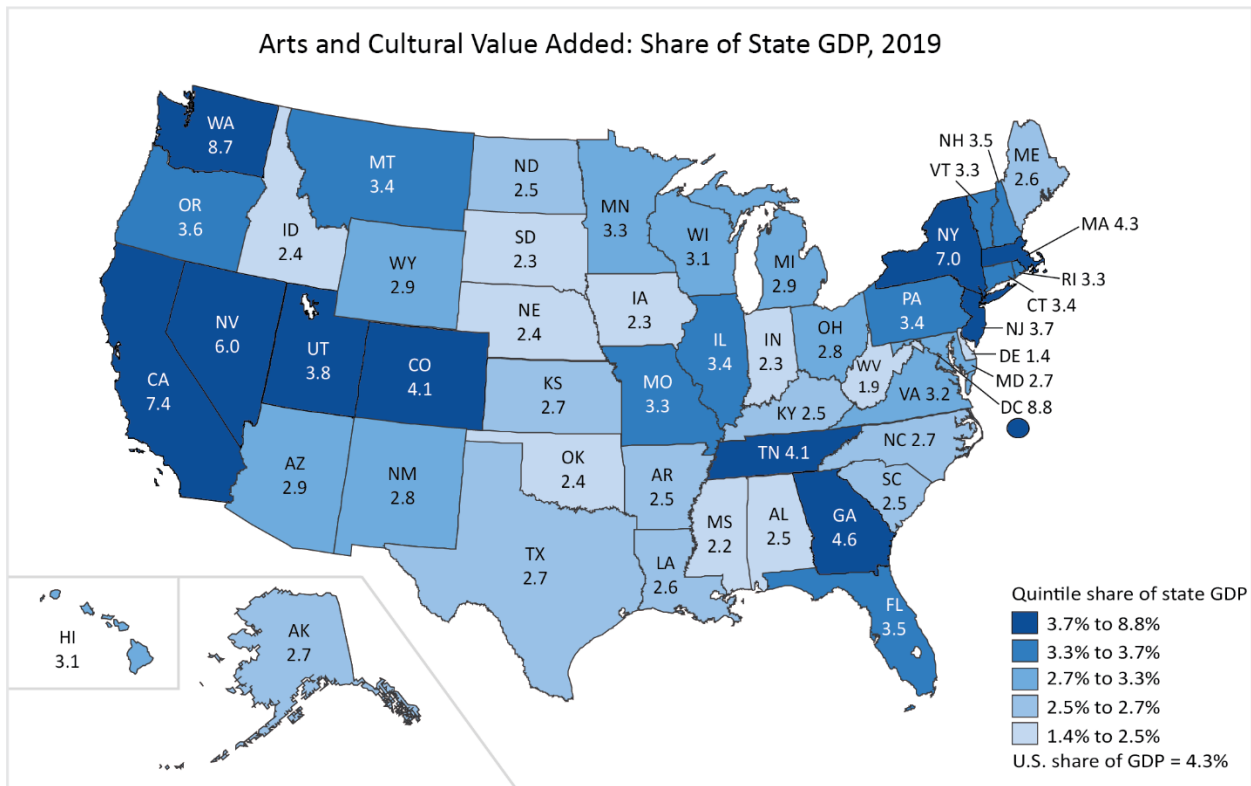
Nominal value added

Nominal value added (not adjusted for inflation) increased 4.4 percent nationally in 2019 (table 2). The leading contributor to the increase was information services, which includes the broadcasting and publishing industries (table 4). Core arts and cultural production industries increased 3.4 percent, to a level of \$201.5 billion; the leading contributors to the increase were design services and performing arts. Supporting arts and cultural industries increased 4.8 percent in 2019, to a level of \$696.0 billion; the

leading contributor to the increase was information services. In 2019, nominal value added in arts and cultural industries increased in every state and the District of Columbia except West Virginia and Wyoming. The percent change in value added in arts and cultural industries across all states ranged from 10.5 percent in Washington to -5.0 percent in Wyoming (table 2).

In Washington, the state with the largest increase in value added, retail industries and publishing were the leading contributors to the increase in value added (table 4). Construction was the leading contributor to the decrease in value added in Wyoming and West Virginia.

For states and the District of Columbia, the arts and cultural share of total GDP ranged from 8.8 percent in the District of Columbia to 1.4 percent in Delaware (table 3). The share for most states ranged between 2 and 5 percent. The District of Columbia, Washington, California, New York, and Nevada were the only areas where the arts and culture share of total GDP exceeded 5 percent.

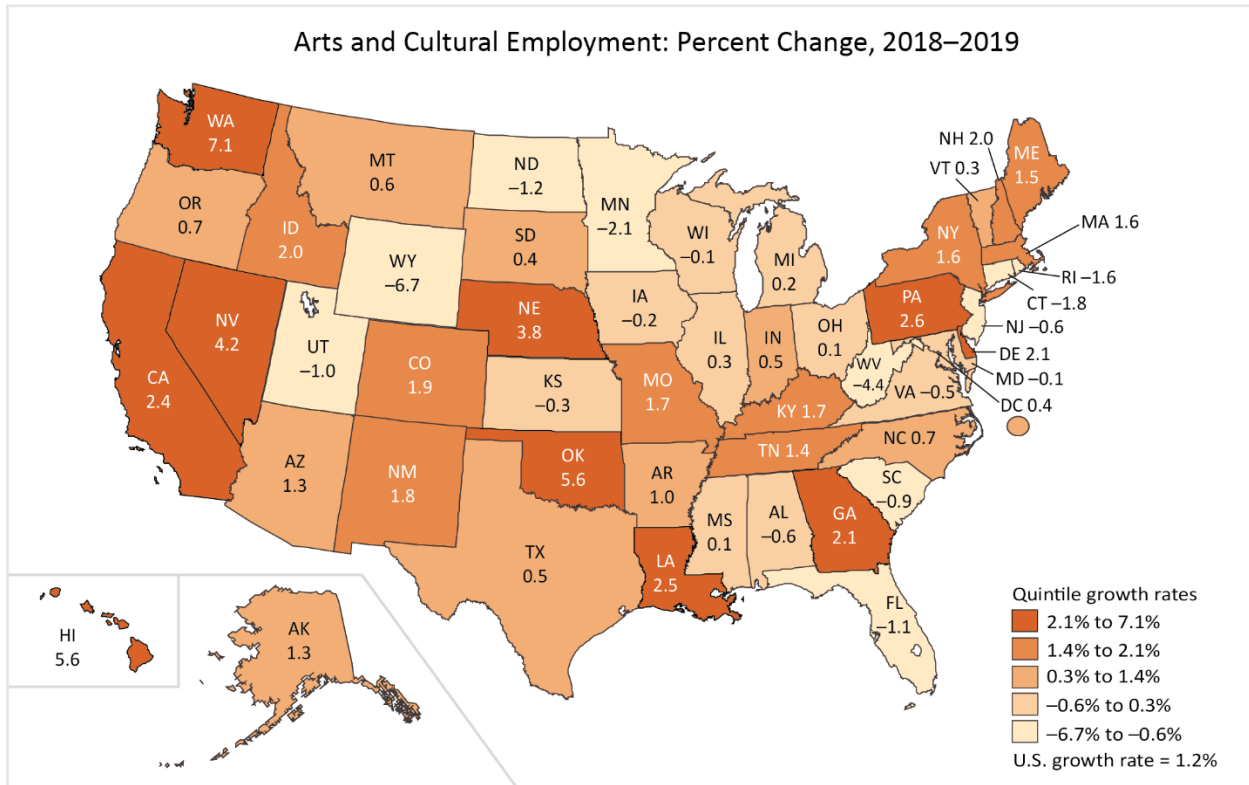


U.S. Bureau of Economic Analysis

The top arts and cultural industries varied among the states. In the District of Columbia, government and broadcasting were the leading contributors to the share of total state GDP (table 3). Publishing and retail industries were the leading contributors to the share of GDP in Washington, while other information services and motion pictures were the leading contributors to the share of GDP in California.

Employment

Arts and cultural employment nationwide increased 1.2 percent in 2019 (table 8). The total number of arts and cultural jobs for the nation was 5.2 million. Arts and cultural employment increased in 35 states and the District of Columbia. The percent change in arts and cultural employment across all states ranged from 7.1 percent in Washington to -6.7 percent in Wyoming.



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Washington had 185,741 jobs related to arts and culture, representing 5.0 percent of all jobs in the state. Construction was the leading contributor to the increase in arts and cultural employment in Washington (table 9). In Wyoming, construction was the leading contributor to the decrease in arts and cultural employment.

Compensation

Arts and cultural compensation nationwide increased 3.9 percent in 2019 (table 8). Arts and cultural compensation increased in 47 states and the District of Columbia and was unchanged in two. The percent change in arts and cultural compensation across all states ranged from 13.1 percent in Washington to -5.7 percent in Wyoming.

Update to Arts and Cultural Production Statistics

Today, BEA also released updated national-level arts and cultural production statistics on output, value added, intermediate inputs, employment, and compensation from 2014 to 2017 with new statistics for 2018 and 2019 and updated state-level statistics on value added, employment, and compensation from 2001 to 2017 with new statistics for 2018 and 2019. These revised and newly available statistics primarily reflect the incorporation of revised and newly available source data. Combined with new and revised arts and cultural production-specific source data, these improvements allow the arts and cultural production statistics to more accurately capture the dynamics of this sector. With this release, the arts and cultural production statistics reflect the incorporation of the 2020 annual updates of BEA's National and Regional Economic Accounts.

BEA's Arts and Cultural Production Satellite Account is supported by funding from the National Endowment for the Arts.

Additional Information

Resources

- Stay informed about BEA developments by reading [The BEA Wire](#), signing up for BEA’s [email subscription service](#), or following BEA on Twitter [@BEA News](#).
- For more on BEA’s statistics, see our monthly online journal, the [Survey of Current Business](#).
- The time series of detailed annual statistics for 1998 through 2019 are available at [Arts and Culture](#).
- BEA’s [news release schedule](#).
- Access BEA data by registering for BEA’s Data [Application Programming Interface](#).
- [“U.S. Arts and Cultural Production Satellite Account, 1998–2012,”](#) including overview, concepts, and methodology.

Definitions

Defining ‘culture’ in the context of input-output tables for the Arts and Cultural Production Satellite Account.

Culture can be defined in a variety of ways, including language, traditions, beliefs, and values. For this account, arts and cultural production is defined narrowly to include creative artistic activity—the goods and services produced by it, the goods and services produced in support of it, and the construction of buildings in which it takes place.

The input-output table is a valuable tool to identify and estimate the value of the “creative chain.” This chain captures the economic value of the creation of a cultural product (composing a symphony) from its production (the performance being recorded in a studio), distribution (by various modes), and final consumption (by the listener).

Output. Arts and cultural production output consists of all domestically produced goods and services purchased (for example, movie tickets or design services).

Employment. Arts and cultural production employment consists of all wage and salary jobs in which the workers are engaged in the production of arts and cultural production-related goods and services.

Compensation. Arts and cultural production compensation consists of the remuneration (including wages and salaries, as well as benefits such as employer contributions to pension and health funds) payable to employees in return for their arts and cultural production-related work during a

given year.

Value added. Arts and cultural production value added consists of output less intermediate consumption (for example, costumes rented by performing arts companies or printing of the program for the show).

Gross domestic product (GDP) is the value of the goods and services produced by the nation’s economy less the value of the goods and services used up in production. GDP is also equal to the sum of personal consumption expenditures, gross private domestic investment, net exports of goods and services, and government consumption expenditures and gross investment.

Core arts and cultural production industries are originators of ideas and content associated with the creation of arts and culture. Supporting industries produce and disseminate arts and cultural commodities.

Current-dollar estimates are valued in the prices of the period when the transactions occurred—that is, at “market value.” Also referred to as “nominal estimates” or “current-price estimates.”

Real values are inflation-adjusted estimates—that is, estimates that exclude the effects of price changes.

Statistical conventions

Quantities and prices. Quantities, or “real” measures, and prices are expressed as index numbers with a specified reference year equal to 100 (currently 2012). Quantity and price indexes are calculated using a Fisher-chained weighted formula that incorporates weights from two adjacent periods (quarters for quarterly data and annuals for annual data). “Real” dollar series are calculated by multiplying the published quantity index by the current-dollar value in the reference year (2012) and then dividing by 100. Percent changes calculated from chained-dollar levels and quantity indexes are conceptually the same; any differences are due to rounding.

Chained-dollar values are not additive, because the relative weights for a given period differ from those of the reference year. In tables that display chained-dollar values, the value of the “Not allocated by industry” line reflects the difference between the first line and the sum of the most detailed lines. For the real value added by industry table, this value also reflects differences in source data used to estimate GDP by industry and the expenditures measure of real GDP.

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Table 1. Real Value Added by Arts and Cultural Production Industry: Percent Change from Preceding Period

Line	Industry ACPSA Description	2015	2016	2017	2018	2019
1	Total	5.2	3.0	3.1	2.3	3.7
2	Core Arts and Cultural Production	0.5	1.9	2.8	5.0	3.2
3	Performing Arts	-1.4	2.9	2.8	5.4	2.6
4	Performing Arts Companies	-6.0	7.0	-1.1	2.7	4.7
5	Promoters of Performing Arts and Similar Events	-7.1	9.2	1.7	6.4	2.6
6	Agents/Managers for Artists	-5.3	5.9	-0.5	7.6	0.3
7	Independent Artists, Writers, and Performers	3.1	-1.2	5.1	5.6	2.2
8	Museums	-18.7	7.0	4.7	-1.3	4.0
9	Design Services	4.0	0.6	3.1	5.4	3.7
10	Advertising	4.6	4.8	2.6	7.5	1.7
11	Architectural Services	4.3	1.3	5.7	8.0	1.8
12	Landscape Architectural Services	-0.8	-2.6	5.2	8.2	7.4
13	Interior Design Services	7.2	-5.8	-3.8	-1.6	9.8
14	Industrial Design Services	3.9	-8.7	5.9	1.0	8.9
15	Graphic Design Services	4.8	-0.8	-0.2	-1.2	5.1
16	Computer Systems Design	8.9	10.7	12.6	11.6	9.9
17	Photography and Photofinishing Services	-3.0	-4.9	6.2	4.2	2.0
18	All Other Design Services	0.7	-4.0	-3.9	0.4	4.2
19	Fine Arts Education	-0.8	1.4	0.3	12.4	6.5
20	Education Services	1.5	2.8	-1.4	1.7	2.1
21	Supporting Arts and Cultural Production	6.6	3.4	3.4	1.6	3.9
22	Art support services	0.3	0.8	1.1	0.8	0.4
23	Rental and Leasing	11.8	6.9	-3.1	4.9	-0.6
24	Grant-Making And Giving Services	11.9	-2.2	6.5	-1.6	3.7
25	Unions	1.3	0.1	2.9	1.4	4.2
26	Government	-0.3	0.5	1.2	0.6	0.4
27	Other Support Services	3.6	2.1	16.2	3.6	0.8
28	Information services	9.7	4.6	3.7	1.7	5.8
29	Publishing	4.3	3.6	8.2	9.7	4.8
30	Motion Pictures	6.9	2.5	-1.4	-13.0	6.0
31	Sound Recording	11.5	9.6	8.1	-2.7	14.1
32	Broadcasting	8.0	3.0	-1.1	-1.6	1.9
33	Other Information Services	22.8	10.2	11.9	12.2	11.5
34	Manufacturing	-1.6	-1.5	0.0	5.7	-0.3
35	Jewelry and Silverware Manufacturing	-6.2	-7.6	6.8	18.8	0.8
36	Printed Goods Manufacturing	-6.9	-0.7	-2.9	-0.6	-1.0
37	Musical Instruments Manufacturing	-8.3	10.9	3.5	2.9	-2.4
38	Custom Architectural Woodwork and Metalwork Manufacturing	5.2	2.1	2.9	7.1	-2.3
39	Other Goods Manufacturing	12.2	-3.4	-4.0	5.3	2.8
40	Construction	7.0	8.3	6.5	2.8	-6.9
41	NonACPSA-related Production	4.6	2.0	-2.4	0.0	0.7
42	Wholesale and Transportation Industries	2.2	-1.8	6.1	-0.7	0.4
43	Retail Industries	2.9	2.7	5.1	3.2	4.8
44	All Other Industries¹	4.6	2.0	-2.4	0.0	0.7

1. Consists of the industries with secondary production designated as artistic and cultural.

Source. U.S. Bureau of Economic Analysis

Table 2. Arts and Cultural Production Value Added by State, 2019

	[Thousands of dollars]			Percent change, 2018–2019		
	Total Arts and Cultural Production Industries ¹	Core Arts and Cultural Production Industries	Supporting Arts and Cultural Production Industries	Total Arts and Cultural Production Industries ¹	Core Arts and Cultural Production Industries	Supporting Arts and Cultural Production Industries
United States	919,688,831	201,460,469	696,036,622	4.4	3.4	4.8
Alabama	5,619,094	794,651	4,560,409	2.4	2.5	2.4
Alaska	1,445,191	123,771	1,277,651	3.4	3.5	3.5
Arizona	10,874,706	2,259,946	8,220,926	5.4	5.0	5.6
Arkansas	3,326,732	557,070	2,595,885	4.4	3.7	4.8
California	232,452,954	57,073,082	172,765,549	5.5	6.0	5.4
Colorado	16,299,187	3,465,602	12,424,987	5.7	4.5	6.2
Connecticut	9,770,461	1,999,120	7,455,839	3.4	0.1	4.4
Delaware	1,076,520	226,177	773,361	5.0	2.6	6.2
District of Columbia	12,636,698	3,352,978	9,181,227	2.7	0.9	3.3
Florida	38,298,770	9,607,910	27,445,714	3.3	4.0	3.0
Georgia	28,672,424	5,427,035	22,575,952	4.7	0.9	5.8
Hawaii	2,940,791	826,908	2,037,243	6.5	1.3	8.9
Idaho	2,041,165	328,755	1,624,960	5.1	5.9	5.1
Illinois	29,740,389	7,913,815	20,845,474	3.9	1.0	5.2
Indiana	8,692,297	1,492,374	6,750,870	3.6	3.3	3.9
Iowa	4,516,944	711,850	3,574,781	0.9	1.7	0.8
Kansas	4,683,639	659,443	3,816,982	2.0	1.3	2.2
Kentucky	5,418,555	843,580	4,311,246	3.6	-1.4	4.8
Louisiana	6,614,604	1,175,248	5,139,314	5.1	6.6	5.0
Maine	1,728,821	468,205	1,184,812	4.1	6.3	3.3
Maryland	11,721,776	2,244,034	9,080,804	2.6	0.2	3.2
Massachusetts	25,503,250	5,695,574	19,188,282	4.3	3.2	4.7
Michigan	15,396,755	3,428,869	11,304,626	3.4	1.2	4.2
Minnesota	12,576,602	2,856,628	9,259,456	0.9	0.9	0.9
Mississippi	2,506,142	266,584	2,099,749	1.4	-0.7	1.7
Missouri	10,787,420	2,411,812	7,978,066	4.2	0.7	5.4
Montana	1,812,178	318,461	1,435,869	2.8	6.6	2.0
Nebraska	3,087,522	674,328	2,270,292	7.5	1.9	9.6
Nevada	10,657,409	2,437,205	8,051,898	7.7	6.3	8.3
New Hampshire	3,073,322	507,753	2,466,317	3.8	6.3	3.3
New Jersey	23,503,009	4,200,589	18,581,223	1.5	-0.9	2.0
New Mexico	2,946,575	382,827	2,466,204	7.8	6.7	8.2
New York	123,216,564	33,900,858	87,804,041	4.0	1.4	5.1
North Carolina	15,984,432	3,334,679	12,051,861	4.0	3.2	4.3
North Dakota	1,451,498	165,020	1,224,136	1.8	6.6	1.3
Ohio	19,628,897	4,331,550	14,486,554	2.2	2.0	2.3
Oklahoma	4,939,991	940,573	3,745,517	5.1	5.2	5.3
Oregon	9,145,079	1,918,963	6,963,409	4.0	3.3	4.2
Pennsylvania	27,116,715	5,320,693	20,878,485	3.7	3.0	4.0
Rhode Island	2,060,573	411,652	1,578,954	2.9	-0.8	4.0
South Carolina	6,245,683	1,262,269	4,716,403	3.4	6.8	2.6
South Dakota	1,273,320	191,743	1,025,705	2.8	2.0	3.0
Tennessee	15,299,553	4,193,348	10,675,622	5.4	1.8	7.1
Texas	49,765,714	10,291,652	37,353,718	2.1	4.3	1.5
Utah	7,304,160	1,388,367	5,726,983	2.9	6.5	2.0
Vermont	1,122,214	274,629	810,341	0.6	-8.8	4.1
Virginia	17,919,685	3,339,297	13,975,289	3.1	3.4	3.1
Washington	53,196,440	3,221,200	49,499,026	10.5	3.3	11.0
West Virginia	1,519,022	116,669	1,313,783	-1.5	6.7	-2.3
Wisconsin	10,894,618	1,968,633	8,504,874	3.5	4.7	3.4
Wyoming	1,182,772	156,494	955,950	-5.0	5.4	-6.8

1. Total arts and cultural production industries includes core industries, supporting industries, and industries with secondary production that is designated as artistic and cultural.

Source. U.S. Bureau of Economic Analysis

Table 3. Industry Contributions to the Arts and Cultural Production Share of GDP, 2019—Continues

	Share of arts and cultural production of total GDP ¹	Core arts and cultural production industries									
		Performing arts				Museums	Design services			Fine arts education	Education services
		Performing arts companies	Promoters of performing arts and similar events	Agents / managers for artists	Independent artists, writers, and performers		Advertising	Architectural services	Rest of design services		
United States	4.3	0.08	0.08	0.03	0.21	0.04	0.16	0.11	0.19	0.02	0.04
Alabama	2.5	0.02	0.02	0.00	0.02	0.02	0.07	0.07	0.10	0.01	0.02
Alaska	2.7	0.03	0.02	0.00	0.01	0.04	0.03	0.06	0.03	0.01	0.00
Arizona	2.9	0.04	0.07	0.01	0.06	0.04	0.10	0.10	0.16	0.01	0.03
Arkansas	2.5	0.02	0.04	0.00	0.01	0.03	0.14	0.09	0.08	0.01	0.02
California	7.4	0.12	0.11	0.09	0.85	0.04	0.17	0.13	0.28	0.02	0.03
Colorado	4.1	0.04	0.10	0.00	0.11	0.04	0.13	0.14	0.27	0.02	0.02
Connecticut	3.4	0.04	0.04	0.02	0.09	0.05	0.15	0.08	0.12	0.02	0.08
Delaware	1.4	0.02	0.01	0.00	0.02	0.05	0.08	0.02	0.06	0.01	0.01
District of Columbia	8.8	0.08	0.53	0.01	0.10	0.09	0.77	0.35	0.18	0.02	0.21
Florida	3.5	0.09	0.07	0.02	0.15	0.04	0.13	0.09	0.25	0.01	0.02
Georgia	4.6	0.05	0.13	0.01	0.07	0.02	0.23	0.10	0.22	0.01	0.03
Hawaii	3.1	0.10	0.04	0.00	0.23	0.12	0.04	0.13	0.16	0.01	0.04
Idaho	2.4	0.03	0.02	0.00	0.04	0.02	0.06	0.08	0.12	0.00	0.02
Illinois	3.4	0.06	0.06	0.01	0.06	0.05	0.27	0.12	0.21	0.02	0.04
Indiana	2.3	0.03	0.04	0.00	0.03	0.03	0.06	0.05	0.10	0.01	0.04
Iowa	2.3	0.02	0.04	0.00	0.02	0.02	0.08	0.05	0.09	0.01	0.03
Kansas	2.7	0.01	0.03	0.00	0.01	0.01	0.09	0.08	0.11	0.01	0.02
Kentucky	2.5	0.02	0.04	0.00	0.03	0.05	0.08	0.05	0.09	0.01	0.02
Louisiana	2.6	0.02	0.06	0.00	0.09	0.04	0.08	0.06	0.07	0.01	0.03
Maine	2.6	0.06	0.07	0.00	0.12	0.05	0.11	0.10	0.11	0.03	0.04
Maryland	2.7	0.03	0.02	0.00	0.02	0.03	0.07	0.09	0.19	0.02	0.04
Massachusetts	4.3	0.07	0.09	0.01	0.09	0.06	0.14	0.17	0.18	0.03	0.13
Michigan	2.9	0.03	0.05	0.01	0.04	0.04	0.15	0.07	0.20	0.01	0.03
Minnesota	3.3	0.07	0.04	0.01	0.05	0.03	0.21	0.12	0.17	0.02	0.03
Mississippi	2.2	0.01	0.01	0.00	0.04	0.02	0.05	0.05	0.03	0.00	0.02
Missouri	3.3	0.07	0.07	0.01	0.04	0.04	0.16	0.13	0.18	0.01	0.04
Montana	3.4	0.02	0.03	0.00	0.11	0.04	0.06	0.16	0.15	0.01	0.01
Nebraska	2.4	0.03	0.07	0.00	0.07	0.04	0.07	0.12	0.09	0.01	0.02
Nevada	6.0	0.37	0.28	0.01	0.32	0.02	0.11	0.08	0.17	0.01	0.01
New Hampshire	3.5	0.05	0.03	0.01	0.11	0.02	0.07	0.05	0.14	0.02	0.07
New Jersey	3.7	0.05	0.06	0.01	0.06	0.01	0.15	0.08	0.19	0.02	0.03
New Mexico	2.8	0.04	0.03	0.00	0.09	0.03	0.03	0.06	0.05	0.02	0.01
New York	7.0	0.20	0.19	0.07	0.36	0.08	0.47	0.16	0.27	0.03	0.07
North Carolina	2.7	0.02	0.06	0.01	0.04	0.03	0.09	0.08	0.18	0.01	0.04
North Dakota	2.5	0.01	0.04	0.00	0.03	0.01	0.05	0.06	0.07	0.01	0.01
Ohio	2.8	0.04	0.11	0.00	0.04	0.05	0.09	0.08	0.17	0.01	0.03
Oklahoma	2.4	0.07	0.01	0.00	0.05	0.08	0.07	0.08	0.08	0.01	0.01
Oregon	3.6	0.06	0.04	0.01	0.07	0.03	0.15	0.14	0.22	0.02	0.02
Pennsylvania	3.4	0.05	0.06	0.00	0.04	0.05	0.13	0.09	0.13	0.01	0.09
Rhode Island	3.3	0.07	0.03	0.00	0.05	0.07	0.07	0.07	0.16	0.02	0.12
South Carolina	2.5	0.04	0.04	0.01	0.08	0.03	0.09	0.07	0.13	0.01	0.02
South Dakota	2.3	0.01	0.05	0.00	0.06	0.04	0.06	0.04	0.06	0.01	0.02
Tennessee	4.1	0.26	0.12	0.07	0.25	0.05	0.10	0.09	0.14	0.01	0.03
Texas	2.7	0.03	0.04	0.01	0.07	0.03	0.09	0.10	0.16	0.01	0.02
Utah	3.8	0.05	0.07	0.00	0.11	0.02	0.10	0.10	0.21	0.02	0.04
Vermont	3.3	0.09	0.05	0.01	0.10	0.07	0.08	0.11	0.18	0.04	0.09
Virginia	3.2	0.04	0.04	0.02	0.07	0.04	0.12	0.09	0.15	0.01	0.02
Washington	8.7	0.04	0.05	0.00	0.04	0.03	0.09	0.13	0.13	0.01	0.01
West Virginia	1.9	0.01	0.01	0.00	0.00	0.01	0.03	0.02	0.03	0.00	0.02
Wisconsin	3.1	0.05	0.04	0.00	0.05	0.03	0.14	0.08	0.13	0.02	0.04
Wyoming	2.9	0.02	0.06	0.00	0.08	0.05	0.03	0.05	0.08	0.01	0.01

1. Total arts and cultural production industries includes core industries, supporting industries, and industries with secondary production that are designated as artistic and cultural.

Source. U.S. Bureau of Economic Analysis

Table 3. Industry Contributions to the Arts and Cultural Production Share of GDP, 2019—Table Ends

	Supporting arts and cultural production industries											
	Art support services			Information services					Manufacturing	Construction	Wholesale and transportation industries	Retail industries
	Rental and leasing	Government	Rest of support services	Publishing	Motion pictures	Sound recording	Broadcasting	Other information services				
United States	0.03	0.53	0.01	0.48	0.32	0.06	0.73	0.52	0.08	0.08	0.19	0.21
Alabama	0.01	0.54	0.01	0.17	0.06	0.01	0.83	0.02	0.09	0.03	0.13	0.10
Alaska	0.00	1.31	0.01	0.03	0.04	0.00	0.79	0.02	0.01	0.03	0.04	0.06
Arizona	0.03	0.50	0.01	0.28	0.09	0.01	0.65	0.12	0.06	0.04	0.17	0.26
Arkansas	0.00	0.63	0.01	0.09	0.05	0.01	0.80	0.01	0.09	0.10	0.11	0.09
California	0.03	0.38	0.01	0.73	1.14	0.11	0.59	1.95	0.06	0.09	0.24	0.18
Colorado	0.03	0.63	0.01	0.68	0.09	0.01	1.14	0.14	0.07	0.10	0.14	0.12
Connecticut	0.01	0.44	0.01	0.32	0.39	0.01	0.87	0.22	0.07	0.04	0.08	0.13
Delaware	0.01	0.27	0.01	0.08	0.02	0.00	0.39	0.05	0.02	0.04	0.03	0.09
District of Columbia	0.00	3.34	0.17	0.57	0.10	0.03	1.35	0.72	0.00	0.02	0.05	0.05
Florida	0.06	0.41	0.01	0.31	0.13	0.07	0.80	0.09	0.06	0.09	0.24	0.21
Georgia	0.03	0.43	0.01	0.46	0.42	0.03	1.69	0.15	0.06	0.04	0.13	0.17
Hawaii	0.01	0.50	0.03	0.10	0.27	0.00	0.57	0.04	0.04	0.34	0.15	0.07
Idaho	0.00	0.66	0.01	0.13	0.04	0.00	0.55	0.08	0.04	0.12	0.17	0.14
Illinois	0.04	0.55	0.03	0.27	0.12	0.04	0.44	0.32	0.09	0.04	0.25	0.17
Indiana	0.02	0.54	0.01	0.13	0.04	0.02	0.54	0.05	0.13	0.05	0.11	0.14
Iowa	0.03	0.61	0.01	0.25	0.04	0.01	0.50	0.02	0.10	0.07	0.09	0.11
Kansas	0.00	0.59	0.01	0.15	0.04	0.01	0.96	0.07	0.09	0.05	0.10	0.09
Kentucky	0.01	0.62	0.01	0.10	0.05	0.01	0.68	0.04	0.10	0.14	0.13	0.12
Louisiana	0.10	0.45	0.01	0.07	0.37	0.01	0.64	0.01	0.07	0.06	0.14	0.09
Maine	0.01	0.53	0.01	0.15	0.06	0.01	0.50	0.06	0.19	0.03	0.05	0.14
Maryland	0.02	0.57	0.02	0.28	0.07	0.03	0.70	0.07	0.06	0.08	0.13	0.10
Massachusetts	0.01	0.45	0.01	1.12	0.11	0.02	0.55	0.48	0.10	0.07	0.10	0.20
Michigan	0.02	0.54	0.01	0.23	0.07	0.01	0.53	0.10	0.13	0.08	0.24	0.14
Minnesota	0.02	0.58	0.01	0.51	0.05	0.04	0.52	0.06	0.16	0.03	0.24	0.19
Mississippi	0.02	0.62	0.00	0.06	0.03	0.02	0.85	0.01	0.06	0.01	0.06	0.07
Missouri	0.02	0.59	0.01	0.19	0.06	0.01	0.85	0.06	0.08	0.12	0.23	0.22
Montana	0.00	0.96	0.01	0.18	0.10	0.02	1.06	0.02	0.11	0.07	0.07	0.11
Nebraska	0.01	0.56	0.01	0.21	0.03	0.00	0.39	0.16	0.04	0.16	0.04	0.13
Nevada	0.09	0.58	0.01	0.20	0.12	0.09	0.72	1.39	0.08	0.81	0.25	0.19
New Hampshire	0.01	0.52	0.01	0.68	0.08	0.01	0.68	0.06	0.25	0.05	0.17	0.30
New Jersey	0.03	0.56	0.01	0.33	0.16	0.02	0.62	0.30	0.11	0.03	0.56	0.18
New Mexico	0.03	0.73	0.01	0.09	0.41	0.06	0.73	0.01	0.08	0.08	0.03	0.09
New York	0.02	0.59	0.02	0.54	0.84	0.21	1.17	0.99	0.10	0.07	0.23	0.17
North Carolina	0.01	0.45	0.01	0.43	0.06	0.02	0.56	0.08	0.08	0.03	0.18	0.12
North Dakota	0.01	0.71	0.01	0.42	0.03	0.00	0.62	0.00	0.07	0.04	0.09	0.14
Ohio	0.02	0.55	0.01	0.25	0.05	0.01	0.61	0.13	0.12	0.05	0.13	0.16
Oklahoma	0.03	0.46	0.01	0.10	0.04	0.01	0.75	0.02	0.09	0.15	0.09	0.10
Oregon	0.02	0.66	0.01	0.66	0.17	0.02	0.64	0.10	0.08	0.04	0.16	0.19
Pennsylvania	0.05	0.46	0.02	0.32	0.09	0.02	0.89	0.15	0.10	0.10	0.14	0.25
Rhode Island	0.01	0.57	0.02	0.21	0.13	0.01	0.63	0.06	0.61	0.10	0.12	0.09
South Carolina	0.01	0.54	0.01	0.16	0.06	0.05	0.59	0.05	0.08	0.02	0.22	0.11
South Dakota	0.00	0.72	0.01	0.09	0.04	0.01	0.67	0.01	0.12	0.07	0.04	0.09
Tennessee	0.03	0.42	0.01	0.23	0.20	0.59	0.79	0.04	0.10	0.02	0.21	0.19
Texas	0.04	0.48	0.01	0.23	0.10	0.03	0.59	0.08	0.06	0.07	0.21	0.14
Utah	0.01	0.54	0.01	0.81	0.17	0.01	0.39	0.37	0.13	0.04	0.16	0.33
Vermont	0.00	0.62	0.01	0.34	0.05	0.01	0.59	0.10	0.19	0.22	0.10	0.15
Virginia	0.01	0.58	0.02	0.29	0.08	0.03	0.86	0.14	0.06	0.13	0.20	0.12
Washington	0.01	0.69	0.02	3.03	0.07	0.04	0.64	1.34	0.04	0.19	0.08	1.93
West Virginia	0.01	0.68	0.01	0.07	0.03	0.00	0.66	0.01	0.06	0.01	0.03	0.09
Wisconsin	0.01	0.63	0.01	0.57	0.04	0.03	0.55	0.05	0.19	0.10	0.09	0.17
Wyoming	0.01	1.52	0.01	0.08	0.05	0.01	0.44	0.02	0.02	0.11	0.04	0.07

Source: U.S. Bureau of Economic Analysis

Table 4. Industry Contributions to Percent Change in Value Added of Arts and Cultural Production, 2019—Continues

	Percent change in value added of total arts and cultural production industries ¹	Core arts and cultural production industries									
		Performing arts				Museums	Design services			Fine arts education	Education services
		Performing arts companies	Promoters of performing arts and similar events	Agents / managers for artists	Independent artists, writers, and performers		Advertising	Architectural services	Rest of design services		
United States	4.4	0.10	0.07	0.01	0.20	0.05	0.08	-0.01	0.17	0.03	0.04
Alabama	2.4	0.04	-0.02	0.02	-0.02	0.13	-0.06	0.00	0.20	0.02	0.03
Alaska	3.4	0.07	0.01	0.00	-0.04	0.01	0.04	-0.03	0.20	0.05	0.00
Arizona	5.4	0.22	0.21	0.04	0.03	0.07	0.14	0.10	0.29	0.04	-0.10
Arkansas	4.4	0.12	-0.10	-0.01	-0.04	0.18	0.19	0.10	0.07	0.03	0.07
California	5.5	0.20	0.06	-0.03	0.94	0.04	-0.01	0.03	0.20	0.03	0.02
Colorado	5.7	-0.01	0.23	0.01	-0.06	0.08	0.12	0.04	0.49	0.04	0.03
Connecticut	3.4	-0.33	0.07	0.02	0.18	0.07	-0.06	0.01	0.02	0.02	0.01
Delaware	5.0	-0.15	0.04	0.04	-0.17	0.07	0.14	0.04	0.23	0.22	0.10
District of Columbia	2.7	0.07	-0.14	0.00	-0.02	0.08	0.08	0.05	0.03	0.02	0.07
Florida	3.3	0.29	0.19	0.11	-0.21	0.06	0.16	0.01	0.35	0.02	0.02
Georgia	4.7	0.05	0.07	0.00	-0.86	0.05	0.46	-0.02	0.37	0.00	0.06
Hawaii	6.5	-0.22	0.30	0.00	0.09	0.16	0.02	-0.14	0.06	0.05	0.06
Idaho	5.1	0.12	0.11	-0.07	0.24	0.07	-0.01	-0.11	0.56	0.02	0.01
Illinois	3.9	0.10	-0.04	0.00	-0.10	0.04	0.08	-0.10	0.21	0.00	0.07
Indiana	3.6	0.03	0.13	0.01	0.11	0.07	0.02	-0.07	0.10	0.02	0.15
Iowa	0.9	0.08	0.11	-0.01	0.15	0.02	0.06	-0.11	-0.12	0.02	0.08
Kansas	2.0	-0.01	0.11	0.00	0.00	0.02	-0.08	-0.01	0.12	0.03	0.01
Kentucky	3.6	-0.10	0.06	0.03	-0.47	0.12	0.11	-0.01	-0.05	0.04	0.05
Louisiana	5.1	0.09	-0.02	0.02	0.94	0.10	0.25	-0.25	-0.01	0.03	-0.01
Maine	4.1	0.44	0.23	-0.01	-0.23	0.10	0.18	0.21	0.49	0.12	0.14
Maryland	2.6	-0.01	0.12	0.00	-0.16	0.04	0.12	-0.30	0.13	0.02	0.07
Massachusetts	4.3	0.11	0.14	0.02	0.02	0.06	-0.02	-0.01	0.31	0.01	0.10
Michigan	3.4	0.05	0.08	0.05	-0.03	0.06	-0.21	-0.14	0.34	0.02	0.07
Minnesota	0.9	0.10	0.07	-0.02	0.10	0.03	0.18	-0.07	-0.26	0.07	0.00
Mississippi	1.4	0.06	-0.03	0.00	-0.08	0.06	0.02	-0.11	-0.06	0.01	0.04
Missouri	4.2	0.06	0.05	0.05	0.01	0.03	0.14	-0.22	-0.08	0.00	0.11
Montana	2.8	0.04	-0.04	0.01	0.03	0.13	0.27	-0.02	0.65	0.03	0.03
Nebraska	7.5	0.07	0.25	0.02	-0.02	0.10	-0.16	-0.08	0.08	0.02	0.15
Nevada	7.7	0.58	0.25	-0.01	0.55	0.03	0.01	0.02	0.02	0.01	0.00
New Hampshire	3.8	0.25	0.11	0.05	0.06	0.04	0.07	-0.04	0.18	0.06	0.24
New Jersey	1.5	-0.42	0.12	-0.02	-0.30	0.01	-0.08	-0.07	0.45	0.05	0.08
New Mexico	7.8	0.06	0.07	0.01	0.60	0.05	0.09	-0.03	-0.03	0.04	0.01
New York	4.0	0.19	-0.04	0.07	-0.26	0.06	0.21	0.02	0.04	0.03	0.06
North Carolina	4.0	0.01	0.26	0.02	0.04	0.09	0.16	-0.05	0.07	0.05	0.02
North Dakota	1.8	0.02	0.39	0.00	-0.02	0.02	-0.03	0.01	0.26	0.02	0.03
Ohio	2.2	0.08	-0.07	0.01	0.08	0.07	-0.02	-0.02	0.21	0.04	0.05
Oklahoma	5.1	0.20	0.04	-0.01	-0.20	0.58	0.48	-0.25	0.08	0.03	0.03
Oregon	4.0	0.07	0.06	0.09	-0.08	0.07	0.12	0.05	0.27	0.03	0.02
Pennsylvania	3.7	0.08	0.18	0.00	-0.07	0.03	0.10	0.05	0.20	0.03	0.00
Rhode Island	2.9	0.28	0.01	0.02	-0.04	0.07	-0.11	0.02	-0.17	0.06	-0.31
South Carolina	3.4	0.13	0.03	0.06	0.81	0.03	0.17	-0.15	0.32	-0.05	-0.02
South Dakota	2.8	0.09	0.10	0.00	-0.03	0.00	-0.06	-0.09	0.23	0.02	0.04
Tennessee	5.4	-0.80	0.06	0.06	0.72	0.09	0.20	0.00	0.04	0.02	0.11
Texas	2.1	0.09	0.13	0.04	0.15	0.07	0.16	0.00	0.17	0.01	0.04
Utah	2.9	0.02	0.00	0.00	0.15	0.05	0.09	0.19	0.58	0.04	0.10
Vermont	0.6	0.18	-0.03	-0.03	-2.34	0.11	0.01	-0.02	-0.16	0.07	-0.15
Virginia	3.1	-0.07	0.24	0.03	0.18	0.04	0.04	-0.13	0.22	0.03	0.05
Washington	10.5	-0.02	0.03	0.00	0.04	0.02	0.03	0.01	0.07	0.02	0.00
West Virginia	-1.5	0.09	0.03	0.01	-0.01	0.05	0.09	0.29	-0.04	0.01	-0.06
Wisconsin	3.5	0.13	0.27	-0.03	0.08	0.06	0.12	0.09	0.01	0.04	0.08
Wyoming	-5.0	-0.04	0.05	0.00	0.32	0.05	0.02	-0.10	0.27	0.06	0.02

1. Total arts and cultural production industries includes core industries, supporting industries, and industries with secondary production that are designated as artistic and cultural.

Source: U.S. Bureau of Economic Analysis

Table 4. Industry Contributions to Percent Change in Value Added of Arts and Cultural Production, 2019—Table Ends

	Supporting arts and cultural production industries											
	Art support services			Information services					Manufacturing	Construction	Wholesale and transportation industries	Retail industries
	Rental and leasing	Government	Rest of art support services	Publishing	Motion pictures	Sound recording	Broadcasting	Other information services				
United States	0.01	0.39	0.02	0.50	0.29	0.11	0.34	1.32	0.06	0.01	0.27	0.32
Alabama	0.00	0.60	0.02	0.74	0.84	-0.10	0.96	0.05	0.21	-1.39	-0.20	0.24
Alaska	-0.01	0.74	0.02	-0.13	0.09	-0.01	1.84	0.18	0.01	0.10	0.04	0.23
Arizona	0.19	0.25	0.04	1.92	0.14	0.03	0.05	0.79	0.10	-0.21	0.65	0.31
Arkansas	-0.02	0.74	0.02	-0.12	0.30	0.06	1.08	0.03	0.17	1.40	0.01	0.05
California	0.01	0.18	0.01	0.82	0.48	0.13	0.09	2.25	0.03	-0.25	0.10	0.12
Colorado	0.02	0.65	0.02	1.72	0.08	0.01	0.69	0.26	0.04	0.57	0.40	0.23
Connecticut	-0.02	0.18	0.02	-0.52	0.72	-0.02	1.67	1.33	0.06	-0.18	0.06	0.00
Delaware	0.00	1.05	-0.05	0.51	0.03	0.00	0.66	0.47	-0.03	1.05	0.18	0.51
District of Columbia	0.00	-0.02	0.14	0.22	0.11	0.02	0.42	1.23	-0.01	-0.04	0.29	0.04
Florida	0.19	0.44	0.02	0.52	0.00	0.15	0.13	0.36	0.08	0.18	0.54	-0.42
Georgia	-0.01	0.43	0.01	0.46	1.04	0.05	1.78	0.69	0.06	-0.39	0.35	0.02
Hawaii	0.01	0.29	0.07	0.46	-4.00	0.03	0.06	0.41	0.05	8.23	0.34	0.11
Idaho	0.01	0.57	0.02	0.14	-0.13	0.03	0.57	0.75	0.09	0.76	0.87	0.38
Illinois	-0.08	0.30	0.04	0.56	0.64	0.16	0.16	1.58	-0.12	-0.11	0.21	0.26
Indiana	0.06	0.77	0.03	0.07	0.00	0.14	0.54	-0.13	0.03	0.76	0.46	0.27
Iowa	0.04	0.64	0.03	-0.25	0.12	0.00	0.41	0.08	0.18	-1.17	0.44	0.10
Kansas	-0.03	0.56	0.04	-0.16	-0.10	0.02	1.02	-0.91	0.16	1.03	0.12	0.03
Kentucky	0.02	0.20	0.02	0.56	-0.37	-0.57	0.37	0.03	0.15	2.83	0.31	0.20
Louisiana	0.57	0.58	0.01	0.01	0.64	-0.06	0.64	0.03	0.21	0.38	0.78	0.10
Maine	-0.03	0.80	0.01	0.33	0.14	-0.02	-0.05	0.14	0.09	0.74	-0.07	0.22
Maryland	-0.06	0.81	-0.03	1.10	-0.07	0.04	0.57	-0.21	0.07	-0.12	0.23	0.13
Massachusetts	0.00	0.35	0.03	1.19	0.19	0.05	0.20	0.88	0.06	0.02	-0.37	0.90
Michigan	-0.07	0.38	0.03	0.10	-0.06	0.10	-0.04	0.28	0.23	1.24	0.60	0.24
Minnesota	0.02	0.38	0.02	0.61	0.09	-0.04	0.14	0.23	-0.02	-0.54	0.24	-0.44
Mississippi	0.00	0.64	0.01	-0.44	0.01	-0.03	0.63	-0.04	0.24	0.22	0.15	0.05
Missouri	0.00	0.59	0.02	0.22	-0.01	0.03	0.53	0.07	0.15	1.33	1.23	-0.19
Montana	-0.02	0.64	0.02	0.24	-0.39	0.14	0.43	0.19	0.27	-0.68	0.34	0.44
Nebraska	0.05	1.06	0.05	0.76	-0.02	-0.16	0.07	1.91	-0.01	2.85	0.22	0.16
Nevada	0.03	0.30	0.01	0.49	0.13	-0.01	0.44	3.60	0.14	0.75	-0.04	0.39
New Hampshire	0.11	0.36	0.03	0.62	-0.02	0.03	0.27	0.20	0.27	0.04	0.53	0.24
New Jersey	0.04	0.36	0.02	-0.20	0.51	0.02	-0.32	1.02	-0.03	-0.48	0.35	0.27
New Mexico	0.21	0.85	-0.01	-0.08	3.69	0.19	0.25	0.03	0.05	1.65	-0.06	0.09
New York	-0.01	0.28	0.02	-0.59	0.29	0.08	0.48	2.33	0.07	0.34	0.11	0.16
North Carolina	-0.02	0.42	0.04	1.12	0.19	0.02	0.26	0.57	0.15	-0.38	0.65	0.24
North Dakota	-0.02	1.02	0.01	-0.89	-0.06	0.02	0.54	0.00	0.05	0.02	0.03	0.35
Ohio	-0.03	0.81	0.01	-0.46	0.21	-0.02	0.31	0.54	0.14	-0.26	0.28	0.13
Oklahoma	-0.17	1.20	0.04	-1.05	0.08	-0.01	0.73	0.04	0.19	2.42	0.26	0.29
Oregon	0.01	0.60	0.03	0.11	0.24	0.08	0.36	0.63	0.10	0.12	0.59	0.35
Pennsylvania	0.11	0.33	0.04	0.43	-0.10	0.03	-0.23	0.42	0.07	1.30	0.38	0.30
Rhode Island	-0.01	0.60	0.06	-0.30	0.64	0.02	0.41	0.19	0.44	0.81	0.20	-0.02
South Carolina	-0.06	0.67	0.02	-0.05	0.67	-0.16	-0.15	0.18	0.14	-0.73	1.08	0.37
South Dakota	0.00	0.39	0.03	-0.43	-0.09	0.19	0.82	-0.01	0.11	1.42	-0.05	0.01
Tennessee	-0.03	0.38	0.02	1.14	0.35	2.92	-0.39	0.05	0.08	-0.46	0.78	0.01
Texas	-0.03	0.82	0.02	0.14	0.32	-0.01	0.28	0.38	0.10	-2.26	0.82	0.60
Utah	0.00	0.82	0.02	1.87	-0.09	-0.04	0.53	0.78	0.10	-2.95	0.13	0.41
Vermont	0.00	0.37	0.01	0.31	-0.09	0.00	0.20	0.48	0.26	1.28	0.13	-0.08
Virginia	0.01	0.60	0.07	0.39	0.07	-0.07	0.19	0.42	0.01	-0.01	0.40	0.30
Washington	-0.01	0.34	0.01	2.36	0.04	0.08	0.99	2.18	0.04	1.31	0.06	2.79
West Virginia	-0.02	0.09	0.02	-0.31	-0.07	0.00	0.52	0.07	-0.18	-2.01	-0.01	-0.10
Wisconsin	0.05	0.56	0.01	0.78	0.09	-0.03	0.42	0.32	0.41	-0.36	0.39	0.00
Wyoming	-0.03	1.22	-0.01	-0.14	-0.05	0.01	0.09	0.10	-0.01	-7.12	0.25	0.11

Source: U.S. Bureau of Economic Analysis

Table 5. Real Gross Output by Arts and Cultural Production Commodity: Percent Change from Preceding Period

Line	Item ACPA Description	2015	2016	2017	2018	2019
1	Total ACPSA	4.0	3.2	3.3	4.8	3.4
2	Core Arts and Cultural Production	3.6	3.4	3.7	5.4	3.0
3	Performing Arts	5.6	0.5	3.5	3.1	3.0
4	Performing Arts - Music Groups	5.2	0.6	3.5	3.1	2.7
5	Performing Arts - Dance	5.2	0.6	3.5	3.1	2.7
6	Performing Arts - Opera	5.2	0.6	3.5	3.1	2.7
7	Performing Arts - Symphonies	5.2	0.6	3.5	3.1	2.7
8	Performing Arts - Theater	5.2	0.6	3.5	3.1	2.7
9	Performing Arts - Other	4.5	-0.2	3.2	3.0	2.6
10	Independent Artists, Writers, And Performers	4.0	-0.6	5.1	5.4	1.9
11	Museums	-4.1	0.6	5.7	-1.5	3.0
12	Museums - Art	-5.9	-0.6	6.3	-2.3	3.6
13	Museums - Botanical And Zoological	-5.9	-0.6	6.3	-2.3	3.6
14	Museums - Children's	-5.9	-0.6	6.3	-2.3	3.6
15	Museums - Historical Sites	-5.9	-0.6	6.3	-2.3	3.6
16	Museums - History	-5.9	-0.6	6.3	-2.3	3.6
17	Museums - Natural	-5.9	-0.6	6.3	-2.3	3.6
18	Museums - Nature Parks	2.6	3.2	3.5	1.1	1.1
19	Museums - Science	-5.9	-0.6	6.3	-2.3	3.6
20	Museums - Other	-5.9	-0.6	6.3	-2.3	3.6
21	Design services	5.2	5.6	4.9	7.6	4.5
22	Advertising	5.4	6.6	5.4	8.5	5.1
23	Architectural Services, Historic Restoration	7.0	5.0	4.1	7.4	-0.9
24	Landscape Architectural Services	2.9	3.4	4.3	7.0	3.1
25	All Other Architectural Services	7.0	5.0	4.1	7.4	-0.9
26	Interior Design Services	7.2	0.0	0.6	3.1	7.8
27	Industrial Design Services	4.9	-5.4	9.0	2.9	7.3
28	Graphic Design Services	5.3	2.8	1.9	1.2	4.0
29	Fashion Design Services	2.0	-1.8	-1.2	1.2	3.4
30	Computer Systems Design	2.6	8.7	9.5	10.6	6.6
31	Photography And Photofinishing Services	-0.9	-1.0	4.4	4.2	-0.7
32	All Other Design Services	2.0	-1.8	-1.2	1.2	3.4
33	Fine Arts Education	4.9	3.1	4.0	7.8	3.2
34	Education Services	-0.5	-0.2	0.2	1.3	-0.6
35	Entertainment Originals	3.9	2.8	2.2	3.2	2.3
36	Supporting Arts and Cultural Production	4.6	3.0	3.0	4.2	3.7
37	Art support services	1.9	0.7	1.3	3.8	1.1
38	Rental And Leasing	1.4	-3.4	-5.4	2.5	-0.6
39	Agents/Managers For Artists	1.2	2.8	0.7	6.9	0.2
40	Promoters Of Performing Arts And Similar Events	2.1	1.9	4.7	5.6	1.8
41	Grant-Making And Giving Services	12.6	3.2	3.9	4.3	2.3
42	Unions	2.7	2.6	2.4	3.6	0.0
43	Government	0.4	0.5	0.7	1.5	0.9
44	Other Support Services	3.8	3.5	8.7	6.6	2.4
45	Books publishing	-5.8	1.5	0.7	-2.3	1.4
46	Books Publishing - Education (K-12)	22.2	-0.8	5.0	-4.3	2.2
47	Books Publishing - Higher Education	-14.1	-0.8	4.1	-0.2	1.5
48	Books Publishing - General Reference	-7.6	10.4	1.2	-9.7	2.7
49	Books Publishing - Professional, Technical, And Scholarly	3.5	-1.5	-3.8	-5.8	-3.3
50	Books Publishing - Adult Trade	-13.8	1.9	0.6	0.3	2.7
51	Books Publishing - Children	-8.6	9.7	1.7	-1.5	4.9
52	Other publishing	3.5	6.2	6.3	7.8	7.1
53	Publishing - Cards, Calendars, And Other	5.3	4.7	7.8	5.3	2.0
54	Publishing - Newspapers And Periodicals	-5.6	-3.7	-1.1	-4.8	-5.0
55	Publishing - Software	6.3	9.5	8.2	11.7	11.0
56	Information services	6.9	4.1	2.4	4.8	4.0
57	Broadcasting	5.3	0.6	-2.9	-3.7	-0.1
58	Sound Recording	14.5	5.0	4.9	8.8	10.0
59	Motion Pictures	3.6	1.3	-3.3	1.0	-0.2
60	Audio/Visual Production	4.9	-1.1	0.5	5.0	4.7
61	Other Information Services	12.5	16.3	15.2	18.4	9.8
62	Manufactured goods	1.3	-0.3	3.5	2.6	3.3
63	Jewelry And Silverware	0.3	-1.8	3.7	5.9	-0.8
64	Printed Goods	-4.8	5.8	-4.5	0.3	-0.2
65	Musical Instruments	-4.7	-0.5	3.8	2.0	4.4
66	Custom Architectural Woodwork And Metalwork	8.9	6.2	5.0	8.5	5.6
67	Other Goods	5.3	-5.6	7.2	-1.0	12.0
68	Construction	8.1	5.6	2.3	0.5	-5.2

Source. U.S. Bureau of Economic Analysis

Table 6. Real Gross Output by Arts and Cultural Production Commodity [Millions of Chained (2012) Dollars]

Line	Item ACPSA Description	2015	2016	2017	2018	2019
1	Total ACPSA	1,245,431	1,285,452	1,328,295	1,392,204	1,439,651
2	Core Arts and Cultural Production	597,405	617,817	640,771	675,079	695,652
3	Performing Arts	28,079	28,230	29,228	30,133	31,034
4	Performing Arts - Music Groups	3,794	3,816	3,951	4,074	4,182
5	Performing Arts - Dance	749	753	780	804	825
6	Performing Arts - Opera	3,036	3,054	3,161	3,260	3,346
7	Performing Arts - Symphonies	2,103	2,115	2,189	2,258	2,318
8	Performing Arts - Theater	14,546	14,630	15,146	15,619	16,034
9	Performing Arts - Other	3,750	3,742	3,860	3,975	4,076
10	Independent Artists, Writers, And Performers	36,305	36,073	37,929	39,961	40,703
11	Museums	18,117	18,224	19,256	18,964	19,524
12	Museums - Art	1,416	1,407	1,496	1,462	1,515
13	Museums - Botanical And Zoological	2,178	2,164	2,301	2,249	2,331
14	Museums - Children's	496	492	524	512	530
15	Museums - Historical Sites	4,584	4,555	4,844	4,734	4,905
16	Museums - History	283	281	299	292	303
17	Museums - Natural	2,266	2,251	2,394	2,339	2,424
18	Museums - Nature Parks	4,287	4,423	4,579	4,629	4,681
19	Museums - Science	2,266	2,251	2,394	2,339	2,424
20	Museums - Other	354	352	374	366	379
21	Design services	334,878	353,610	370,930	399,289	417,074
22	Advertising	251,350	268,047	282,489	306,409	322,062
23	Architectural Services, Historic Restoration	2,058	2,161	2,248	2,415	2,394
24	Landscape Architectural Services	6,314	6,529	6,807	7,282	7,510
25	All Other Architectural Services	24,820	26,065	27,121	29,128	28,881
26	Interior Design Services	15,667	15,674	15,775	16,260	17,531
27	Industrial Design Services	2,432	2,301	2,508	2,580	2,769
28	Graphic Design Services	11,162	11,470	11,686	11,824	12,296
29	Fashion Design Services	1,167	1,147	1,133	1,147	1,186
30	Computer Systems Design	5,848	6,359	6,962	7,699	8,206
31	Photography And Photofinishing Services	14,165	14,030	14,643	15,261	15,149
32	All Other Design Services	225	220	218	221	228
33	Fine Arts Education	5,428	5,596	5,819	6,272	6,470
34	Education Services	99,552	99,366	99,604	100,856	100,258
35	Entertainment Originals	75,544	77,690	79,391	81,920	83,834
36	Supporting Arts and Cultural Production	650,315	669,989	690,371	719,667	746,528
37	Art support services	50,181	50,520	51,173	53,098	53,660
38	Rental And Leasing	8,973	8,671	8,206	8,411	8,362
39	Agents/Managers For Artists	4,253	4,370	4,399	4,701	4,711
40	Promoters Of Performing Arts And Similar Events	16,166	16,480	17,251	18,215	18,535
41	Grant-Making And Giving Services	1,278	1,319	1,370	1,430	1,463
42	Unions	1,259	1,291	1,322	1,369	1,369
43	Government	17,433	17,513	17,639	17,899	18,064
44	Other Support Services	603	624	679	723	740
45	Books publishing	21,065	21,388	21,530	21,046	21,346
46	Books Publishing - Education (K-12)	3,059	3,035	3,186	3,048	3,115
47	Books Publishing - Higher Education	1,345	1,334	1,388	1,385	1,405
48	Books Publishing - General Reference	588	649	657	593	610
49	Books Publishing - Professional, Technical, And Scholarly	4,154	4,091	3,937	3,708	3,585
50	Books Publishing - Adult Trade	9,719	9,904	9,966	9,993	10,265
51	Books Publishing - Children	2,252	2,470	2,513	2,476	2,597
52	Other publishing	91,881	97,537	103,724	111,805	119,773
53	Publishing - Cards, Calendars, And Other	12,070	12,633	13,622	14,339	14,631
54	Publishing - Newspapers And Periodicals	17,405	16,758	16,566	15,768	14,979
55	Publishing - Software	62,591	68,562	74,202	82,887	92,024
56	Information services	345,779	359,864	368,502	386,132	401,494
57	Broadcasting	144,189	145,013	140,793	135,567	135,435
58	Sound Recording	18,306	19,224	20,174	21,942	24,145
59	Motion Pictures	19,471	19,727	19,067	19,266	19,226
60	Audio/Visual Production	84,198	83,266	83,648	87,802	91,936
61	Other Information Services	80,586	93,729	107,931	127,780	140,336
62	Manufactured goods	118,823	118,467	122,633	125,847	129,953
63	Jewelry And Silverware	48,616	47,764	49,548	52,451	52,017
64	Printed Goods	21,582	22,831	21,805	21,866	21,814
65	Musical Instruments	5,031	5,004	5,195	5,300	5,533
66	Custom Architectural Woodwork And Metalwork	10,579	11,236	11,798	12,805	13,518
67	Other Goods	32,582	30,756	32,975	32,631	36,531
68	Construction	22,729	23,997	24,552	24,681	23,403

Source: U.S. Bureau of Economic Analysis

Table 7. Nominal Gross Output by Arts and Cultural Production Industry [Millions of dollars]

Line	Industry ACPSA Description	2015	2016	2017	2018	2019
1	Total	1,260,227	1,323,943	1,381,024	1,464,831	1,527,657
2	Core Arts and Cultural Production	250,435	261,132	276,010	292,586	300,614
3	Performing Arts	95,558	99,438	106,275	113,688	118,173
4	Performing Arts Companies	22,156	23,047	24,274	25,318	26,621
5	Promoters of Performing Arts and Similar Events	26,149	27,559	29,672	31,992	33,164
6	Agents/Managers for Artists	5,745	6,102	6,278	6,830	6,983
7	Independent Artists, Writers, and Performers	41,508	42,731	46,052	49,547	51,406
8	Museums	13,110	13,222	14,571	14,465	15,347
9	Design Services	126,601	132,732	138,689	147,046	149,091
10	Advertising	43,512	46,237	47,961	51,924	52,505
11	Architectural Services	29,208	31,262	33,119	35,506	34,851
12	Landscape Architectural Services	4,892	5,086	5,386	5,723	5,801
13	Interior Design Services	15,167	15,414	15,776	16,215	17,510
14	Industrial Design Services	2,378	2,279	2,555	2,631	2,811
15	Graphic Design Services	11,875	12,468	12,961	13,116	13,538
16	Computer Systems Design	4,345	4,716	5,160	5,695	6,104
17	Photography and Photofinishing Services	13,892	13,943	14,439	14,886	14,586
18	All Other Design Services	1,331	1,328	1,334	1,350	1,385
19	Fine Arts Education	5,697	5,973	6,410	7,058	7,360
20	Education Services	9,470	9,767	10,064	10,329	10,643
21	Supporting Arts and Cultural Production	971,898	1,024,080	1,066,172	1,132,282	1,186,497
22	Art support services	148,406	152,330	157,195	165,134	169,629
23	Rental and Leasing	9,026	8,980	8,727	9,115	9,234
24	Grant-Making And Giving Services	1,440	1,522	1,628	1,759	1,844
25	Unions	1,966	2,056	2,155	2,265	2,327
26	Government	135,324	139,082	143,922	151,165	155,346
27	Other Support Services	649	690	763	831	877
28	Information services	640,654	686,235	713,091	760,111	800,675
29	Publishing	120,450	121,863	126,379	129,046	134,509
30	Motion Pictures	121,023	126,154	125,062	132,174	134,737
31	Sound Recording	15,245	16,213	17,892	19,495	21,099
32	Broadcasting	262,082	279,494	279,055	286,985	294,366
33	Other Information Services	121,854	142,511	164,702	192,412	215,963
34	Manufacturing	36,556	36,688	36,535	39,071	40,716
35	Jewelry and Silverware Manufacturing	7,519	7,196	7,007	7,474	7,555
36	Printed Goods Manufacturing	13,984	14,109	13,865	14,340	14,893
37	Musical Instruments Manufacturing	1,908	1,875	1,856	2,008	2,044
38	Custom Architectural Woodwork and Metalwork Manufacturing	7,324	7,780	8,291	9,372	10,073
39	Other Goods Manufacturing	5,821	5,729	5,516	5,878	6,151
40	Construction	22,929	24,919	26,367	27,669	27,509
41	NonACPSA-related Production	37,894	38,731	38,842	39,963	40,547
42	Wholesale and Transportation Industries	60,897	59,781	65,350	68,267	71,261
43	Retail Industries	62,457	64,126	67,634	72,029	76,706
44	All Other Industries¹	37,894	38,731	38,842	39,963	40,547

1. Consists of the industries with secondary production designated as artistic and cultural.

Source. U.S. Bureau of Economic Analysis

Table 8. Arts and Cultural Production Employment and Compensation by State, 2019

	2019						Percent change, 2018–2019					
	Total Arts and Cultural Production Industries ¹		Core Arts and Cultural Production Industries		Supporting Arts and Cultural Production Industries		Total Arts and Cultural Production Industries ¹		Core Arts and Cultural Production Industries		Supporting Arts and Cultural Production Industries	
	Employment	Compensation (thousands of dollars)	Employment	Compensation (thousands of dollars)	Employment	Compensation (thousands of dollars)	Employment	Compensation	Employment	Compensation	Employment	Compensation
United States	5,208,492	446,655,018	1,294,314	92,252,608	3,759,891	343,061,214	1.2	3.9	2.1	3.3	0.9	4.1
Alabama	47,134	2,631,228	8,932	402,926	36,138	2,100,659	-0.6	0.8	0.6	2.1	-0.9	0.4
Alaska	11,871	992,313	1,701	69,415	9,858	900,286	1.3	3.7	2.3	3.3	1.2	3.8
Arizona	89,033	5,591,778	20,456	1,034,007	65,531	4,350,457	1.3	4.1	2.8	4.3	0.8	4.1
Arkansas	33,701	1,659,969	6,035	271,964	26,358	1,311,481	1.0	3.8	3.7	4.2	0.5	3.9
California	779,932	106,067,049	193,385	23,685,838	568,488	80,890,653	2.4	4.3	4.3	5.8	1.8	3.9
Colorado	108,462	8,697,066	(D)	(D)	78,134	6,805,288	1.9	6.1	3.1	4.8	1.5	6.4
Connecticut	56,865	5,077,973	(D)	(D)	39,272	3,927,159	-1.8	2.4	-2.0	-0.4	-1.8	3.2
Delaware	8,854	524,772	2,606	106,840	5,755	380,565	2.1	5.6	0.6	3.5	3.0	6.5
District of Columbia	57,122	8,110,985	15,543	1,662,178	40,991	6,382,509	0.4	1.6	0.2	1.2	0.4	1.8
Florida	261,565	17,699,650	70,881	4,030,651	181,208	13,052,649	-1.1	2.7	3.4	4.2	-2.8	2.2
Georgia	154,259	12,037,423	34,238	2,278,563	115,285	9,431,492	2.1	3.0	3.2	1.9	1.8	3.3
Hawaii	23,773	1,624,725	7,700	388,771	15,421	1,194,969	5.6	7.1	1.2	0.4	8.2	9.7
Idaho	21,371	1,145,257	3,907	163,648	16,688	936,877	2.0	4.3	3.3	4.9	1.7	4.3
Illinois	216,722	15,964,419	(D)	(D)	149,866	11,596,592	0.3	2.7	-0.2	1.5	0.5	3.1
Indiana	86,123	4,636,550	(D)	(D)	66,193	3,700,753	0.5	3.4	2.0	3.4	0.1	3.5
Iowa	43,233	2,445,060	9,512	372,709	32,086	1,970,001	-0.2	0.0	1.7	1.4	-0.6	-0.3
Kansas	45,663	2,694,696	7,940	345,147	36,279	2,258,734	-0.3	1.9	-0.9	-0.3	-0.2	2.3
Kentucky	53,113	2,888,055	(D)	(D)	41,658	2,368,794	1.7	4.6	(D)	(D)	2.0	5.3
Louisiana	54,375	3,106,490	(D)	(D)	40,737	2,459,684	2.5	4.3	(D)	(D)	2.1	4.7
Maine	17,324	911,467	4,596	210,578	12,076	661,380	1.5	4.3	6.7	7.3	-0.2	3.4
Maryland	79,866	6,336,581	20,476	1,246,311	56,754	4,893,201	-0.1	2.1	0.1	-0.5	-0.2	2.9
Massachusetts	142,578	13,603,165	46,456	3,172,471	92,323	10,073,263	1.6	4.1	1.0	3.0	1.9	4.5
Michigan	122,288	8,114,167	32,386	1,969,445	85,095	5,804,304	0.2	2.8	-2.4	0.9	1.4	3.6
Minnesota	95,024	6,736,718	25,956	1,415,206	65,963	5,082,977	-2.1	0.0	0.1	0.6	-2.9	-0.2
Mississippi	24,697	1,210,415	3,200	132,488	20,332	1,018,014	0.1	1.0	0.4	-0.4	0.1	1.1
Missouri	94,666	5,641,681	(D)	(D)	68,050	4,242,927	1.7	4.8	-0.4	0.6	2.5	6.2
Montana	15,811	939,287	3,379	156,031	11,958	756,572	0.6	2.1	4.5	5.1	-0.5	1.5
Nebraska	30,152	1,748,287	7,969	344,499	21,168	1,341,154	3.8	7.4	2.6	2.0	4.5	9.2
Nevada	53,120	4,074,825	11,610	831,415	39,972	3,146,719	4.2	5.3	5.1	5.6	4.0	5.3
New Hampshire	22,665	1,626,537	5,245	266,745	16,710	1,306,546	2.0	3.3	6.4	6.7	0.8	2.6
New Jersey	136,092	11,979,655	33,085	2,009,433	98,640	9,598,647	-0.6	0.2	1.9	0.4	-1.5	0.1
New Mexico	26,373	1,580,017	4,666	197,767	20,896	1,334,977	1.8	5.9	3.0	3.7	1.6	6.4
New York	504,393	53,447,268	166,731	15,031,493	328,167	37,525,223	1.6	4.1	1.0	1.7	1.9	5.1
North Carolina	127,893	8,826,657	30,601	1,692,194	92,622	6,826,780	0.7	3.4	3.6	2.4	-0.2	3.6
North Dakota	12,907	802,546	2,051	85,527	10,422	686,732	-1.2	0.6	-2.6	5.4	-1.0	0.0
Ohio	172,442	10,334,082	(D)	(D)	123,880	7,693,932	0.1	1.8	1.3	2.8	-0.3	1.5
Oklahoma	42,427	2,384,035	7,631	394,952	33,173	1,888,922	5.6	6.1	8.7	3.6	5.2	6.9
Oregon	69,549	4,838,215	(D)	(D)	49,817	3,704,626	0.7	3.4	(D)	(D)	0.6	3.5
Pennsylvania	180,849	13,192,939	52,105	2,805,645	122,301	9,918,657	2.6	6.6	0.3	2.9	3.7	7.9
Rhode Island	18,215	1,133,349	4,831	228,917	12,870	869,632	-1.6	2.2	-2.1	-1.9	-1.5	3.4
South Carolina	54,244	3,155,951	(D)	(D)	39,718	2,460,453	-0.9	1.7	(D)	(D)	-1.3	1.2
South Dakota	14,256	751,727	2,858	97,293	10,954	628,045	0.4	3.1	1.6	2.8	0.1	3.1
Tennessee	92,217	6,399,345	(D)	(D)	63,507	4,388,420	1.4	3.3	4.5	1.4	0.2	4.1
Texas	391,922	26,676,338	83,233	4,954,295	295,595	20,721,869	0.5	2.4	3.8	4.2	-0.4	1.8
Utah	66,624	3,955,902	16,151	678,102	48,998	3,183,590	-1.0	1.6	4.9	6.9	-2.8	0.5
Vermont	11,379	647,254	3,312	150,279	7,758	477,906	0.3	1.4	-1.3	-5.9	1.0	3.8
Virginia	125,856	9,010,841	27,449	1,643,363	94,478	7,074,015	-0.5	1.3	1.6	2.8	-1.1	1.0
Washington	185,741	25,237,631	28,011	1,668,038	154,348	23,310,153	7.1	13.1	1.6	3.1	8.4	14.1
West Virginia	15,725	857,592	1,948	64,959	13,081	751,107	-4.4	-4.3	4.1	6.2	-5.7	-5.3
Wisconsin	96,450	6,113,874	20,661	949,723	72,668	4,961,552	-0.1	2.7	5.3	5.2	-1.5	2.3
Wyoming	11,578	791,214	1,672	65,637	9,651	709,316	-6.7	-5.7	0.7	3.6	-8.1	-6.7

(D) Data are suppressed to avoid disclosure of confidential information.

¹Total arts and cultural production industries includes core industries, supporting industries, and industries with secondary production that are designated as artistic and cultural.

Source: U.S. Bureau of Economic Analysis

Table 9. Industry Contributions to Percent Change in Arts and Cultural Production Employment, 2019—Continues

	Percent change in total arts and cultural production industries ¹	Core arts and cultural production industries									
		Performing arts				Museums	Design services			Fine arts education	Education services
		Performing arts companies	Promoters of performing arts and similar events	Agents / managers for artists	Independent artists, writers, and performers		Advertising	Architectural services	Rest of design services		
United States	1.2	0.04	0.05	0.01	0.03	0.06	0.00	0.05	0.03	0.22	0.01
Alabama	-0.6	(D)	-0.25	0.00	-0.02	0.24	-0.03	0.08	(D)	0.10	0.00
Alaska	1.3	-0.03	-0.02	-0.01	0.00	-0.02	0.13	0.04	0.10	(D)	0.01
Arizona	1.3	0.11	0.04	0.01	0.04	0.02	0.20	0.15	0.08	0.19	-0.21
Arkansas	1.0	0.21	-0.08	-0.01	0.00	0.08	-0.04	0.15	0.08	0.12	0.13
California	2.4	0.04	0.09	0.04	0.15	0.05	0.01	0.09	0.19	0.35	0.04
Colorado	1.9	-0.04	0.14	0.00	0.01	0.11	0.00	0.14	0.18	0.22	0.04
Connecticut	-1.8	-0.07	0.09	0.00	-0.03	0.14	-0.13	-0.06	-0.17	-0.03	-0.30
Delaware	2.1	0.21	(D)	0.02	-0.05	-0.10	-0.18	0.06	-0.06	-0.09	0.10
District of Columbia	0.4	0.13	-0.04	-0.01	-0.04	0.07	-0.10	0.11	-0.08	0.11	-0.11
Florida	-1.1	0.14	0.22	0.02	0.03	0.03	0.06	0.08	0.19	0.15	-0.03
Georgia	2.1	0.02	-0.05	0.02	-0.02	0.17	0.15	0.02	0.16	0.14	0.08
Hawaii	5.6	-0.19	0.04	0.00	0.12	0.12	-0.06	0.02	0.09	0.30	-0.05
Idaho	2.0	0.10	0.01	0.00	0.17	0.16	-0.10	0.06	0.26	0.09	-0.15
Illinois	0.3	-0.02	-0.06	-0.01	-0.06	-0.02	-0.08	0.04	0.02	0.10	0.03
Indiana	0.5	0.00	0.15	0.00	0.06	0.00	-0.16	0.04	-0.06	0.18	0.18
Iowa	-0.2	(D)	0.12	0.00	0.00	-0.02	(D)	0.04	-0.18	0.25	0.04
Kansas	-0.3	-0.11	0.07	0.00	0.02	(D)	-0.20	0.05	-0.25	0.26	-0.01
Kentucky	1.7	(D)	-0.01	0.01	-0.06	0.15	0.05	0.00	-0.12	0.18	0.03
Louisiana	2.5	0.14	0.17	0.02	0.13	(D)	0.26	-0.06	(D)	0.21	-0.06
Maine	1.5	0.17	0.71	(D)	-0.07	0.13	0.13	0.09	0.08	0.36	0.10
Maryland	-0.1	-0.04	0.13	0.00	-0.04	0.04	0.01	-0.14	-0.20	0.20	0.06
Massachusetts	1.6	0.14	0.03	0.01	-0.22	-0.02	-0.07	0.12	0.11	0.28	-0.04
Michigan	0.2	-0.02	-0.05	0.00	0.00	-0.03	-0.27	-0.02	-0.43	0.12	0.04
Minnesota	-2.1	0.06	-0.15	-0.04	0.05	0.06	0.07	0.05	-0.29	0.31	-0.09
Mississippi	0.1	0.03	-0.17	(D)	(D)	0.05	-0.08	0.02	-0.03	0.13	0.04
Missouri	1.7	-0.09	0.08	0.00	0.03	0.01	-0.07	-0.07	-0.21	0.04	0.17
Montana	0.6	(D)	-0.14	0.00	0.01	0.26	(D)	0.13	0.12	0.30	0.06
Nebraska	3.8	0.08	0.05	0.00	0.14	0.08	-0.06	0.03	0.01	0.11	0.27
Nevada	4.2	0.57	-0.03	-0.05	0.46	(D)	-0.08	0.10	0.05	0.06	-0.01
New Hampshire	2.0	0.07	0.23	0.01	0.01	0.09	-0.01	-0.01	0.12	0.58	0.34
New Jersey	-0.6	0.14	0.03	-0.01	-0.09	0.03	-0.18	-0.04	0.11	0.32	0.12
New Mexico	1.8	0.01	0.13	0.01	-0.02	0.10	0.12	0.04	-0.08	0.22	-0.01
New York	1.6	0.06	-0.07	0.00	-0.01	0.05	-0.03	0.03	-0.08	0.28	0.09
North Carolina	0.7	-0.04	0.25	0.01	0.05	0.10	0.13	0.06	0.09	0.28	-0.08
North Dakota	-1.2	0.11	-0.85	(D)	-0.02	0.03	(D)	0.05	0.02	0.28	0.05
Ohio	0.1	0.06	0.00	-0.01	-0.06	0.09	-0.02	0.06	-0.01	0.20	0.02
Oklahoma	5.6	-0.05	(D)	-0.02	0.03	(D)	0.66	-0.05	0.01	0.21	0.02
Oregon	0.7	0.03	0.05	0.04	0.01	0.04	-0.06	0.11	(D)	0.19	-0.01
Pennsylvania	2.6	0.04	0.14	-0.01	-0.10	0.01	-0.02	0.07	-0.05	0.23	-0.24
Rhode Island	-1.6	(D)	0.12	0.00	-0.02	0.04	-0.10	0.07	-0.12	(D)	-1.10
South Carolina	-0.9	0.13	0.11	0.02	0.00	-0.03	0.00	-0.01	(D)	-0.08	-0.15
South Dakota	0.4	0.20	0.06	0.00	0.04	-0.01	-0.14	-0.01	0.17	0.04	-0.02
Tennessee	1.4	0.18	0.24	0.04	0.06	0.11	0.08	0.08	0.06	0.15	0.21
Texas	0.5	-0.02	0.00	0.01	0.12	0.15	0.10	0.10	0.12	0.20	0.01
Utah	-1.0	-0.01	0.03	0.00	0.05	0.12	-0.16	0.18	0.32	0.47	0.13
Vermont	0.3	-0.02	-0.04	0.00	0.03	0.14	(D)	0.04	(D)	0.21	-0.54
Virginia	-0.5	0.03	-0.06	0.02	0.00	0.02	0.03	-0.11	0.13	0.19	0.09
Washington	7.1	0.01	-0.04	0.00	0.01	0.03	-0.02	0.06	-0.06	0.27	-0.02
West Virginia	-4.4	0.01	0.01	(D)	(D)	0.28	0.15	0.15	0.05	(D)	-0.33
Wisconsin	-0.1	0.03	0.67	0.00	0.10	0.06	0.01	0.04	-0.03	0.14	0.07
Wyoming	-6.7	-0.09	-0.11	(D)	0.03	0.07	(D)	-0.10	0.06	0.21	0.02

(D) Data are suppressed to avoid disclosure of confidential information.

1. Total arts and cultural production industries includes core industries, supporting industries, and industries with secondary production that are designated as artistic and cultural.

Source: U.S. Bureau of Economic Analysis

Table 9. Industry Contributions to Percent Change in Arts and Cultural Production Employment, 2019—Table Ends

	Supporting arts and cultural production industries											
	Art support services			Information services					Manufacturing	Construction	Wholesale and transportation industries	Retail industries
	Rental and leasing	Government	Rest of art support services	Publishing	Motion pictures	Sound recording	Broadcasting	Other information services				
United States	0.00	0.04	0.04	-0.02	0.29	0.02	-0.32	0.28	0.00	0.08	0.09	0.12
Alabama	0.00	-0.07	0.05	(D)	0.79	(D)	-0.57	-0.01	(D)	-1.76	-0.30	0.49
Alaska	(D)	-0.81	0.02	-0.21	0.01	0.00	0.99	-0.04	0.02	0.18	(D)	0.75
Arizona	0.05	-0.62	0.04	0.26	0.46	0.01	-0.17	0.28	0.14	-0.25	0.12	0.26
Arkansas	-0.02	-0.35	0.02	(D)	-0.01	0.01	-0.15	(D)	0.08	1.03	-0.08	0.11
California	0.01	0.03	0.03	0.54	0.81	0.04	-0.29	0.58	-0.03	-0.36	-0.12	0.06
Colorado	0.01	0.26	0.04	-0.15	0.06	0.00	(D)	0.00	(D)	0.93	0.07	0.23
Connecticut	-0.01	-0.60	0.02	-0.56	0.21	-0.01	-0.16	0.25	(D)	-0.12	0.03	(D)
Delaware	-0.01	0.88	0.04	-0.08	(D)	-0.01	-0.31	-0.18	-0.05	1.40	0.06	0.17
District of Columbia	0.01	-0.46	0.28	(D)	0.02	0.02	-0.05	0.38	(D)	-0.06	0.06	0.12
Florida	0.04	0.12	0.01	-0.01	-0.10	0.04	-0.34	0.09	0.03	0.25	0.40	-2.53
Georgia	0.00	(D)	0.00	0.12	1.49	0.02	-0.71	0.26	(D)	-0.64	0.30	0.29
Hawaii	0.01	-0.23	(D)	(D)	-0.52	0.00	-0.43	0.16	(D)	5.69	0.17	0.21
Idaho	0.01	-0.44	0.01	-0.41	0.12	0.00	0.15	0.23	0.06	0.76	0.27	0.56
Illinois	-0.04	0.02	0.08	-0.10	0.22	0.03	-0.38	0.38	-0.04	-0.05	0.14	0.07
Indiana	-0.03	-0.44	0.09	(D)	0.03	0.03	(D)	0.10	-0.17	0.70	0.18	0.27
Iowa	-0.04	0.26	0.04	-0.36	0.45	(D)	-0.27	0.00	0.06	-1.02	0.17	0.24
Kansas	-0.07	-0.05	0.05	(D)	-0.17	0.00	-0.10	-0.29	0.02	1.11	-0.07	-0.22
Kentucky	0.00	-0.51	0.08	0.09	-0.25	(D)	-0.32	-0.01	0.03	2.36	-0.08	0.32
Louisiana	0.15	0.55	0.02	-0.21	0.78	-0.01	-0.75	-0.02	0.02	0.58	0.27	0.17
Maine	(D)	-0.17	0.00	-0.29	0.18	0.06	-0.59	-0.02	-0.02	0.82	0.08	-0.19
Maryland	-0.01	-0.01	0.05	0.29	0.24	(D)	-0.77	-0.22	(D)	-0.02	0.19	0.03
Massachusetts	0.03	-0.13	0.05	-0.21	0.22	0.01	-0.29	0.67	-0.03	-0.02	-0.17	1.12
Michigan	-0.06	0.04	0.06	-0.22	-0.09	0.00	-0.47	-0.01	-0.01	1.23	0.18	0.29
Minnesota	0.00	-0.09	0.04	-0.15	0.06	-0.01	-0.52	0.06	-0.36	-0.51	-0.17	-0.41
Mississippi	(D)	0.17	0.01	(D)	0.38	0.01	-0.24	-0.04	0.18	0.24	-0.28	0.15
Missouri	-0.03	-0.02	0.04	-0.01	-0.16	0.01	-0.58	-0.01	0.11	1.58	1.10	-0.26
Montana	-0.04	-0.37	0.04	(D)	-0.19	0.02	-0.38	(D)	0.12	-0.60	(D)	1.08
Nebraska	0.00	0.50	0.00	0.03	-0.11	-0.03	-0.49	0.57	0.00	2.68	0.17	-0.17
Nevada	-0.01	0.02	0.04	0.13	0.33	-0.03	-0.05	-0.12	0.19	1.74	(D)	0.79
New Hampshire	-0.12	0.14	(D)	-0.06	0.16	-0.01	(D)	-0.03	-0.16	0.02	0.15	0.62
New Jersey	0.05	-0.04	0.05	-0.30	0.19	0.00	-0.89	0.18	0.05	-0.44	-0.01	0.07
New Mexico	0.05	-0.27	0.02	-0.23	1.54	0.05	-1.90	-0.01	-0.21	2.06	-0.02	0.17
New York	0.00	0.08	0.04	-0.26	0.21	0.02	-0.21	0.68	-0.02	0.65	-0.04	0.10
North Carolina	-0.01	-0.22	0.05	0.03	0.08	0.01	-0.21	0.04	0.02	-0.39	0.22	0.26
North Dakota	-0.02	0.71	0.03	-0.49	0.15	0.00	-0.18	(D)	-0.06	-0.34	-0.11	(D)
Ohio	-0.04	(D)	0.04	-0.40	0.15	-0.01	-0.34	0.00	(D)	-0.28	0.07	0.12
Oklahoma	-0.05	0.58	0.04	-0.81	0.36	(D)	-0.16	0.08	(D)	2.70	0.07	1.21
Oregon	0.00	-0.36	0.04	-0.06	-0.01	0.01	(D)	0.28	0.04	0.10	0.12	0.53
Pennsylvania	0.01	(D)	0.07	-0.11	0.20	-0.01	0.02	0.02	(D)	1.82	0.15	0.50
Rhode Island	(D)	-0.59	0.08	-0.21	0.45	0.00	-0.20	0.11	-1.31	0.50	(D)	-0.07
South Carolina	-0.03	-0.10	0.02	-0.38	0.18	(D)	-1.07	0.07	0.04	-0.70	0.26	0.79
South Dakota	-0.03	-0.51	0.01	-0.52	(D)	0.03	(D)	-0.01	-0.13	1.45	-0.13	-0.20
Tennessee	-0.03	0.35	0.04	0.46	0.16	0.61	-0.89	-0.02	-0.06	-0.66	0.58	-0.38
Texas	0.02	0.54	0.01	-0.15	0.44	0.00	-0.19	0.45	0.06	-1.95	0.14	0.32
Utah	0.00	0.72	-0.01	0.41	-0.29	-0.02	0.52	-0.26	-0.01	-3.33	-0.05	0.22
Vermont	0.00	-0.19	0.02	-0.21	0.05	0.02	-0.18	0.02	0.24	1.51	-0.10	-0.49
Virginia	0.01	0.03	0.14	-0.07	-0.07	0.01	-0.82	0.09	-0.01	-0.40	0.23	0.05
Washington	0.00	0.18	0.03	0.28	-0.04	0.01	0.30	0.73	0.07	2.83	0.00	2.50
West Virginia	-0.04	-1.38	0.05	-0.53	-0.04	-0.01	-0.27	0.04	-0.16	-1.99	-0.02	-0.42
Wisconsin	-0.02	-0.35	0.04	-0.50	0.22	(D)	-0.17	0.02	(D)	-0.41	0.26	-0.28
Wyoming	(D)	0.46	(D)	-0.26	-0.19	-0.01	(D)	0.06	-0.01	-6.68	(D)	0.13

(D) Data are suppressed to avoid disclosure of confidential information.

Source: U.S. Bureau of Economic Analysis

Table 10. Real Gross Output Contributions by Arts and Cultural Production Industry

Line	Industry ACPSA Description	2015	2016	2017	2018	2019
1	Total	4.38	3.79	3.38	4.63	3.25
2	Core Arts and Cultural Production	0.71	0.42	0.80	1.01	0.39
3	Performing Arts	0.34	0.05	0.34	0.39	0.17
4	Performing Arts Companies	0.09	0.01	0.05	0.04	0.07
5	Promoters of Performing Arts and Similar Events	0.11	0.05	0.11	0.13	0.04
6	Agents/Managers for Artists	0.01	0.01	0.00	0.03	0.00
7	Independent Artists, Writers, and Performers	0.13	-0.02	0.17	0.19	0.06
8	Museums	-0.09	-0.01	0.08	-0.03	0.04
9	Design Services	0.43	0.36	0.35	0.61	0.15
10	Advertising	0.12	0.20	0.12	0.28	0.01
11	Architectural Services	0.16	0.12	0.10	0.18	-0.03
12	Landscape Architectural Services	0.01	0.01	0.02	0.03	0.01
13	Interior Design Services	0.08	-0.01	0.00	0.03	0.09
14	Industrial Design Services	0.01	-0.01	0.02	0.01	0.01
15	Graphic Design Services	0.05	0.03	0.02	0.01	0.03
16	Computer Systems Design	0.01	0.03	0.04	0.04	0.03
17	Photography and Photofinishing Services	-0.02	-0.01	0.05	0.05	0.00
18	All Other Design Services	0.00	0.00	0.00	0.00	0.00
19	Fine Arts Education	0.02	0.01	0.02	0.04	0.02
20	Education Services	0.01	0.01	0.01	0.00	0.01
21	Supporting Arts and Cultural Production	3.59	3.31	2.66	3.64	2.85
22	Art support services	0.24	0.19	0.07	0.16	0.06
23	Rental and Leasing	0.01	-0.01	-0.03	0.01	-0.01
24	Grant-Making And Giving Services	0.01	0.00	0.00	0.01	0.00
25	Unions	0.00	0.00	0.00	0.00	0.00
26	Government	0.21	0.18	0.09	0.13	0.06
27	Other Support Services	0.00	0.00	0.01	0.00	0.00
28	Information services	3.02	2.98	2.00	3.03	2.61
29	Publishing	0.10	0.20	0.41	0.27	0.36
30	Motion Pictures	0.55	0.05	-0.10	0.31	0.20
31	Sound Recording	0.15	0.10	0.09	0.15	0.16
32	Broadcasting	0.89	0.84	-0.19	0.10	0.43
33	Other Information Services	1.34	1.79	1.79	2.20	1.47
34	Manufacturing	0.04	-0.02	-0.05	0.13	0.05
35	Jewelry and Silverware Manufacturing	0.00	-0.05	-0.03	0.04	-0.01
36	Printed Goods Manufacturing	-0.06	0.01	-0.03	0.02	0.01
37	Musical Instruments Manufacturing	0.00	0.00	0.00	0.01	0.00
38	Custom Architectural Woodwork and Metalwork Manufacturing	0.05	0.03	0.03	0.05	0.03
39	Other Goods Manufacturing	0.05	-0.01	-0.02	0.02	0.02
40	Construction	0.11	0.13	0.06	0.01	-0.11
41	NonACPSA-related Production	0.09	0.06	-0.07	-0.02	0.01
42	Wholesale and Transportation Industries	0.02	-0.10	0.35	0.05	0.02
43	Retail Industries	0.16	0.13	0.24	0.25	0.23
44	All Other Industries¹	0.09	0.06	-0.07	-0.02	0.01

1. Consists of the industries with secondary production designated as artistic and cultural.

Source. U.S. Bureau of Economic Analysis

Table 11. Real Value Added Contributions by Arts and Cultural Production Industry

Line	Industry ACPSA Description	2015	2016	2017	2018	2019
1	Total	5.37	3.01	3.14	2.30	3.70
2	Core Arts and Cultural Production	0.32	0.42	0.61	1.08	0.70
3	Performing Arts	-0.10	0.25	0.24	0.47	0.24
4	Performing Arts Companies	-0.10	0.12	-0.02	0.05	0.08
5	Promoters of Performing Arts and Similar Events	-0.12	0.16	0.03	0.12	0.05
6	Agents/Managers for Artists	-0.03	0.03	0.00	0.05	0.00
7	Independent Artists, Writers, and Performers	0.15	-0.06	0.23	0.27	0.11
8	Museums	-0.22	0.06	0.04	-0.01	0.04
9	Design Services	0.62	0.08	0.34	0.57	0.39
10	Advertising	0.16	0.18	0.10	0.27	0.07
11	Architectural Services	0.12	0.03	0.14	0.20	0.05
12	Landscape Architectural Services	0.00	-0.01	0.02	0.03	0.02
13	Interior Design Services	0.14	-0.08	-0.05	-0.02	0.11
14	Industrial Design Services	0.02	-0.02	0.01	0.00	0.02
15	Graphic Design Services	0.12	-0.01	0.00	-0.01	0.05
16	Computer Systems Design	0.04	0.04	0.05	0.05	0.05
17	Photography and Photofinishing Services	0.02	-0.06	0.06	0.04	0.02
18	All Other Design Services	0.01	-0.01	-0.01	0.00	0.01
19	Fine Arts Education	0.00	0.00	0.00	0.04	0.02
20	Education Services	0.01	0.03	-0.01	0.02	0.02
21	Supporting Arts and Cultural Production	4.98	2.54	2.60	1.22	2.97
22	Art support services	0.07	0.11	0.15	0.11	0.06
23	Rental and Leasing	0.07	0.04	-0.02	0.03	0.00
24	Grant-Making And Giving Services	0.02	0.00	0.01	0.00	0.01
25	Unions	0.00	0.00	0.00	0.00	0.01
26	Government	-0.03	0.07	0.15	0.08	0.05
27	Other Support Services	0.00	0.00	0.01	0.00	0.00
28	Information services	4.68	2.28	1.83	0.82	2.81
29	Publishing	0.57	0.38	0.84	1.02	0.54
30	Motion Pictures	0.65	0.23	-0.13	-1.15	0.45
31	Sound Recording	0.15	0.14	0.12	-0.04	0.20
32	Broadcasting	1.36	0.54	-0.20	-0.28	0.33
33	Other Information Services	1.94	0.99	1.19	1.28	1.29
34	Manufacturing	-0.05	-0.03	0.00	0.11	-0.01
35	Jewelry and Silverware Manufacturing	-0.04	-0.03	0.02	0.07	0.00
36	Printed Goods Manufacturing	-0.07	-0.01	-0.02	-0.01	-0.01
37	Musical Instruments Manufacturing	-0.01	0.01	0.00	0.00	0.00
38	Custom Architectural Woodwork and Metalwork Manufacturing	0.02	0.01	0.01	0.03	-0.01
39	Other Goods Manufacturing	0.05	-0.01	-0.02	0.02	0.01
40	Construction	0.08	0.14	0.12	0.05	-0.14
41	NonACPSA-related Production	0.08	0.05	-0.06	0.00	0.02
42	Wholesale and Transportation Industries	0.11	-0.08	0.26	-0.03	0.02
43	Retail Industries	0.09	0.13	0.25	0.16	0.24
44	All Other Industries¹	0.08	0.05	-0.06	0.00	0.02

1. Consists of the industries with secondary production designated as artistic and cultural.

Source. U.S. Bureau of Economic Analysis