

# Traded Cluster Definitions



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## Cluster Overview of Traded Cluster Definitions

51 Traded Clusters; 778 Industries (6-digit NAICS, 2007 codes)

Cluster Code	Cluster Name	No. of Industries	% of Traded Employment (2009)
1	Aerospace Vehicles and Defense	7	0.013
2	Agricultural Inputs and Services	9	0.002
3	Apparel	21	0.004
4	Automotive	26	0.019
5	Biopharmaceuticals	4	0.006
6	Business Services	33	0.242
7	Coal Mining	4	0.002
8	Communications Equipment and Services	8	0.013
9	Construction Products and Services	20	0.018
10	Distribution and Electronic Commerce	62	0.130
11	Downstream Chemical Products	13	0.006
12	Downstream Metal Products	16	0.010
13	Education and Knowledge Creation	15	0.068
14	Electric Power Generation and Transmission	5	0.003
15	Environmental Services	7	0.002
16	Financial Services	26	0.049
17	Fishing and Fishing Products	5	0.001
18	Food Processing and Manufacturing	47	0.022
19	Footwear	6	0.000
20	Forestry	4	0.002
21	Furniture	12	0.009
22	Hospitality and Tourism	31	0.070
23	Information Technology and Analytical Instruments	27	0.026
24	Insurance Services	8	0.038
25	Jewelry and Precious Metals	4	0.001
26	Leather and Related Products	6	0.001
27	Lighting and Electrical Equipment	15	0.008
28	Livestock Processing	5	0.012
29	Marketing, Design, and Publishing	22	0.029
30	Medical Devices	5	0.007
31	Metal Mining	8	0.001
32	Metalworking Technology	17	0.012
33	Music and Sound Recording	5	0.001
34	Nonmetal Mining	13	0.002
35	Oil and Gas Production and Transportation	12	0.013
36	Paper and Packaging	20	0.009
37	Performing Arts	8	0.007
38	Plastics	15	0.016
39	Printing Services	13	0.013
40	Production Technology and Heavy Machinery	41	0.023
41	Recreational and Small Electric Goods	15	0.005
42	Textile Manufacturing	23	0.005
43	Tobacco	3	0.000
44	Trailers, Motor Homes, and Appliances	9	0.003

45	Transportation and Logistics	17	0.038
46	Upstream Chemical Products	12	0.004
47	Upstream Metal Manufacturing	26	0.009
48	Video Production and Distribution	6	0.005
49	Vulcanized and Fired Materials	17	0.006
50	Water Transportation	12	0.007
51	Wood Products	13	0.009

**Summary of Traded Cluster Descriptions**

Cluster Code	Cluster Name	Description
1	Aerospace Vehicles and Defense	Establishments in this cluster manufacture aircraft, space vehicles, guided missiles, and related parts. This cluster also contains firms that manufacture the necessary search and navigation equipment used by these products.
2	Agricultural Inputs and Services	This cluster includes establishments primarily engaged in farming and related services. Farming includes soil preparation, planting, cultivation, harvest, fertilizer creation, and post-harvest activities. It also includes services that supply farm labor, support for animal production, and additional operations management.
3	Apparel	The establishments in this cluster are focused on manufacturing clothing and fabric accessories (for example, hats, gloves, and neckties) for men, women, and children.
4	Automotive	This cluster includes establishments along the value chain that are necessary for manufacturing cars, trucks, and other motorized land-based transportation equipment (other than motorcycles). This includes metal mills and foundries, manufacturers of metal automotive parts, and manufacturers of completed automobiles.
5	Biopharmaceuticals	Establishments in this cluster produce complex chemical and biological substances used in medications, vaccines, diagnostic tests, and similar medical applications.
6	Business Services	Firms in this cluster include establishments and services primarily designed to support other aspects of a business or to assist unrelated companies. This includes corporate headquarters. Professional services such as consulting, legal services, facilities support services, computer services, engineering and architectural services, and placement services. All for-hire ground passenger transportation services are also present in this cluster.
7	Coal Mining	This cluster includes establishments that mine coal and provide services to support coal mining.
8	Communications Equipment and Services	This cluster involves goods and services used for communications. This includes cable, wireless, and satellite services, as well as telephone, broadcasting, and wireless communications equipment.
9	Construction Products and Services	The establishments in this cluster supply construction materials, components, products, and services. Construction materials and components include those made of sand, stone, gravel, asphalt, cement, concrete, and other earthen substances. Construction products include pipes and heat exchangers. Construction services include the construction of pipelines for water, sewers, oil and gas, power, and communication, as well as building services for homes and industrial buildings.
10	Distribution and Electronic Commerce	This cluster consists primarily of traditional wholesalers as well as mail order houses and electronic merchants. The companies in this cluster mostly buy, hold, and distribute a wide range of products such as apparel, food, chemicals, gasses, minerals, farm materials, machinery, and other merchandise. The cluster also contains firms that support distribution and electronic commerce operations, including packaging, labeling, and equipment rental and leasing.
11	Downstream Chemical Products	Establishments in this cluster manufacture complex chemical products for end users. These products include adhesives, beauty products, soaps, cleaners, film processing chemicals, dyes, paints, explosives, and lubricating oils.
12	Downstream Metal Products	This cluster contains establishments that manufacture metal containers, prefabricated metal structures, and end user metal products. These end user products include ammunition, kitchenware, hardware, metal bathroom fixtures, and similar metal products used in home finishing such as doors, windows and ornamentation.
13	Education and Knowledge Creation	This cluster contains all educational and training institutions, as well as related supporting establishments. It also includes research and development institutions in biotechnology, physical sciences, engineering, life sciences, and social sciences.
14	Electric Power Generation and Transmission	This cluster contains establishments primarily engaged in generating and distributing electric power. This includes power generated from alternative energy sources such as hydroelectric power, nuclear electric power, and solar and wind generated electric power.
15	Environmental Services	This cluster contains establishments primarily engaged in collection, treatment, processing, and disposal of hazardous and non-hazardous waste.
16	Financial Services	This cluster contains establishments involved in aiding the transaction and growth of financial assets for businesses and individuals. These firms include securities brokers, dealers, and exchanges; credit institutions; and financial investment support. Insurance firms are located in a separate Insurance Services cluster.
17	Fishing and Fishing Products	Establishments in this cluster are engaged primarily in catching fish and other seafood and processing the catch for consumption.
18	Food Processing and Manufacturing	This cluster includes firms involved in the processing of raw food materials and the manufacturing of downstream food products for end users. This includes millers and refineries of rice, flour, corn, sugar, and oilseeds. These upstream products contribute in part to producing specialty foods, animal foods, baked goods, candies, teas, coffees, beers, wines, other beverages, meats, packaged fruits and vegetables, and processed dairy products.
19	Footwear	Establishments in this cluster are those that manufacture men's and women's shoes, boots, slippers, and other footwear (including athletic shoes). This cluster also contains the upstream finished leather used in making footwear.
20	Forestry	Establishments in this cluster are those that involve growing and harvesting trees. It also includes support services for these activities.
21	Furniture	This cluster contains establishments that manufacture furniture, cabinets, and shelving for residential homes and offices. It also includes establishments that produce manufactured homes. The products in this cluster can be made of wood, metal, plastic, and/or textiles.

**Summary of Traded Cluster Descriptions**

Cluster Code	Cluster Name	Description
22	Hospitality and Tourism	This cluster contains establishments related to hospitality and tourism services and venues. This includes sport venues, casinos, museums, and other attractions. It also includes hotels and other accommodations, transportation, and services related to recreational travel such as reservation services and tour operators.
23	Information Technology and Analytical Instruments	This cluster consists of information technology and analytical products such as computers, software, audio visual equipment, laboratory instruments, and medical equipment. The cluster also includes the standard and precision electronics used by these products (for example, circuit boards and semiconductor devices).
24	Insurance Services	This cluster consists of firms providing a range of insurance types, as well as support services such as reinsurance and claims adjustment.
25	Jewelry and Precious Metals	Establishments in this cluster manufacture jewelry, silverware, and fine tableware. This cluster also includes the upstream manufacture of jewelry parts and the processing of gemstones.
26	Leather and Related Products	This cluster consists of manufacturers of luggage and handbags made of leather and fabric. It also includes producers of personal and assorted other leather goods, as well as mills that produce textile bags and related products made from canvas.
27	Lighting and Electrical Equipment	This cluster contains firms involved in the manufacture of electrical equipment and electronic components. The companies in this cluster manufacture wire for communications, wiring devices, fiber optic cables, switchboards, lighting fixtures, motors, transformers, and related products.
28	Livestock Processing	This cluster contains establishments engaged in processing meat from livestock and livestock wholesaling.
29	Marketing, Design, and Publishing	This cluster consists of establishments involved in design services (physical and graphical), marketing (including advertising creation, marketing research, media buying, and public relations), and publishing (both in hard copy and on the internet).
30	Medical Devices	Establishments in this cluster primarily manufacture surgical, medical, dental, optical, ophthalmic, and veterinary instruments and supplies.
31	Metal Mining	Establishments in this cluster mine various metals including iron, gold, silver, lead, copper, and uranium. It also includes firms involved in supporting metal mining activities.
32	Metalworking Technology	The establishments in this cluster manufacture machine tools and process metal for use in metal working. The cluster also contains the downstream manufacture of metal fasteners and hand tools.
33	Music and Sound Recording	Establishments in this cluster are primarily involved in the production and distribution of music and other sound recordings.
34	Nonmetal Mining	Establishments in this cluster mine earthen materials other than metals. This includes stone, granite, sand, clay, borate, and other minerals. The cluster also includes support for the nonmetal mining activities.
35	Oil and Gas Production and Transportation	This cluster includes firms involved in locating, extracting, refining, and transporting oil and gas. This includes companies that manufacture the equipment necessary to extract oil and gas, as well as companies that provide support services for oil and gas operations and pipeline transport.
36	Paper and Packaging	This cluster contains the paper mills and manufacturers of paper products used for shipping, packaging, containers, office supplies, personal products, and similar products.
37	Performing Arts	This cluster contains services that produce, promote, and support live artistic performances. Live performances include those by theater companies, dance troupes, musicians, and independent artists.
38	Plastics	Establishments in this cluster manufacture plastic materials, components, and products. The plastics and foams are manufactured for packaging, pipes, floor coverings, and related plastic products. The cluster also includes the upstream manufacturing of plastic materials and resins, as well as the industrial machines used to manufacture plastics.
39	Printing Services	Establishments in this cluster are primarily engaged in commercial printing, digital printing, and binding. The cluster includes upstream products and services necessary for printing (for example, ink and prepress services). It also includes end products such as books, greeting cards, business forms, and related goods.
40	Production Technology and Heavy Machinery	Establishments in this cluster primarily manufacture machines designed to produce parts and devices used in the production of downstream products. This cluster also includes end use heavy machinery such as air and material handling equipment. The machines are used for industrial, agricultural, construction, commercial industry, and related purposes.
41	Recreational and Small Electric Goods	This cluster contains establishments that manufacture end use products for recreational and decorative purposes. These products include games, toys, bicycles, motorcycles, musical instruments, sporting goods, art supplies, office supplies, shades, and home accessories. This cluster also incorporates firms that produce small, simple electric goods like hairdryers, fans, and office machinery.

## Summary of Traded Cluster Descriptions

Cluster Code	Cluster Name	Description
42	Textile Manufacturing	This cluster contains textile mills that primarily produce and finish fabrics for clothing, carpets, upholstery, and similar uses. The textiles include yarn, thread, fibers, hosiery, knits, and other specialty fabrics.
43	Tobacco	The establishments in this cluster manufacture cigarettes and other tobacco products. This also includes upstream tobacco leaf processing.
44	Trailers, Motor Homes, and Appliances	This cluster includes establishments that manufacture trailers, campers, and motor homes, as well as major household appliances.
45	Transportation and Logistics	This cluster contains all air, rail, bus, and freight transportation services. It also includes related operation services and support activities such as inspections, maintenance, repairs, security, and loading/unloading.
46	Upstream Chemical Products	This cluster consists of firms that manufacture basic organic and inorganic chemicals and gases. The chemicals are usually separate elements that could be used as inputs for more complex downstream chemical products.
47	Upstream Metal Manufacturing	The establishments in this cluster manufacture upstream metal products such as pipes, tubes, metal closures, wires, springs, and related products. The cluster includes iron and steel mills and foundries, as well as related metal processing techniques.
48	Video Production and Distribution	The establishments in this cluster are primarily involved with the production and distribution of motion pictures and other video. This includes specialized viewing venues such as drive-in theaters.
49	Vulcanized and Fired Materials	This cluster contains firms that manufacture construction and other materials out of earthen substances such as clay, sand, and rubber at extremely high temperatures. The production processes create goods made of tile, brick, ceramic, glass, and rubber (including refractories and tires).
50	Water Transportation	This cluster contains all establishments involved in transporting people and goods over water. The cluster includes boat building, transportation, operations, and other support services.
51	Wood Products	The establishments in this cluster are primarily engaged in making upstream wood materials and manufacturing non-furniture wood products. Upstream establishments include sawmills, plywood and hardwood manufacturers, cut stock manufacturers, and wood preservation services. Downstream establishments produce windows, doors, flooring, wood containers, prefabricated wood buildings, and related products.

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**Cluster Name:**

**Aerospace Vehicles and Defense**

**Cluster Code:**

**1**

**Description:**

Establishments in this cluster manufacture aircraft, space vehicles, guided missiles, and related parts. This cluster also contains firms that manufacture the necessary search and navigation equipment used by these products.

<i>Number of Industries</i> 7
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NAICS	NAICS Name
336411	Aircraft Manufacturing
336412	Aircraft Engine and Engine Parts Manufacturing
336413	Other Aircraft Parts and Auxiliary Equipment Manufacturing
336414	Guided Missile and Space Vehicle Manufacturing
336415	Guided Missile and Space Vehicle Propulsion Unit and Propulsion Unit Parts Manufacturing
336419	Other Guided Missile and Space Vehicle Parts and Auxiliary Equipment Manufacturing
334511	Search, Detection, Navigation, Guidance, Aeronautical, and Nautical System and Instrument Manufacturing

All definitions taken from the *U.S. Cluster Mapping Project* (<http://clustermapping.us>).

**Cluster Name:**

## **Agricultural Inputs and Services**

**Cluster Code:**

**2**

**Description:**

This cluster includes establishments primarily engaged in farming and related services. Farming includes soil preparation, planting, cultivation, harvest, fertilizer creation, and post-harvest activities. It also includes services that supply farm labor, support for animal production, and additional operations management.

<i>Number of Industries</i> 9
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<b>NAICS</b>	<b>NAICS Name</b>
115111	Cotton Ginning
115112	Soil Preparation, Planting, and Cultivating
115113	Crop Harvesting, Primarily by Machine
115114	Postharvest Crop Activities (except Cotton Ginning)
115210	Support Activities for Animal Production
115115	Farm Labor Contractors and Crew Leaders
115116	Farm Management Services
325311	Nitrogenous Fertilizer Manufacturing
325314	Fertilizer (Mixing Only) Manufacturing

**Cluster Name:**

**Apparel**

**Cluster Code:**

**3**

**Description:**

The establishments in this cluster are focused on manufacturing clothing and fabric accessories (for example, hats, gloves, and neckties) for men, women, and children.

*Number of Industries* 21

NAICS	NAICS Name
314999	All Other Miscellaneous Textile Product Mills
315292	Fur and Leather Apparel Manufacturing
315299	All Other Cut and Sew Apparel Manufacturing
315991	Hat, Cap, and Millinery Manufacturing
315992	Glove and Mitten Manufacturing
315993	Men's and Boys' Neckwear Manufacturing
315999	Other Apparel Accessories and Other Apparel Manufacturing
315221	Men's and Boys' Cut and Sew Underwear and Nightwear Manufacturing
315222	Men's and Boys' Cut and Sew Suit, Coat, and Overcoat Manufacturing
315223	Men's and Boys' Cut and Sew Shirt (except Work Shirt) Manufacturing
315224	Men's and Boys' Cut and Sew Trouser, Slack, and Jean Manufacturing
315225	Men's and Boys' Cut and Sew Work Clothing Manufacturing
315228	Men's and Boys' Cut and Sew Other Outerwear Manufacturing
315231	Women's and Girls' Cut and Sew Lingerie, Loungewear, and Nightwear Manufacturing
315232	Women's and Girls' Cut and Sew Blouse and Shirt Manufacturing
315233	Women's and Girls' Cut and Sew Dress Manufacturing
315234	Women's and Girls' Cut and Sew Suit, Coat, Tailored Jacket, and Skirt Manufacturing
315239	Women's and Girls' Cut and Sew Other Outerwear Manufacturing
315291	Infants' Cut and Sew Apparel Manufacturing
315211	Men's and Boys' Cut and Sew Apparel Contractors
315212	Women's, Girls', and Infants' Cut and Sew Apparel Contractors

**Cluster Name:**

**Automotive**

**Cluster Code:**

**4**

**Description:**

This cluster includes establishments along the value chain that are necessary for manufacturing cars, trucks, and other motorized land-based transportation equipment (other than motorcycles). This includes metal mills and foundries, manufacturers of metal automotive parts, and manufacturers of completed automobiles.

*Number of Industries* 26

NAICS	NAICS Name
332114	Custom Roll Forming
336321	Vehicular Lighting Equipment Manufacturing
336322	Other Motor Vehicle Electrical and Electronic Equipment Manufacturing
336330	Motor Vehicle Steering and Suspension Components (except Spring) Manufacturing
336340	Motor Vehicle Brake System Manufacturing
336350	Motor Vehicle Transmission and Power Train Parts Manufacturing
336360	Motor Vehicle Seating and Interior Trim Manufacturing
336391	Motor Vehicle Air-Conditioning Manufacturing
336399	All Other Motor Vehicle Parts Manufacturing
336311	Carburetor, Piston, Piston Ring, and Valve Manufacturing
336312	Gasoline Engine and Engine Parts Manufacturing
336111	Automobile Manufacturing
336112	Light Truck and Utility Vehicle Manufacturing
336120	Heavy Duty Truck Manufacturing
336211	Motor Vehicle Body Manufacturing
336370	Motor Vehicle Metal Stamping
336999	All Other Transportation Equipment Manufacturing
336992	Military Armored Vehicle, Tank, and Tank Component Manufacturing
331511	Iron Foundries
331512	Steel Investment Foundries
331513	Steel Foundries (except Investment)
331521	Aluminum Die-Casting Foundries
331522	Nonferrous (except Aluminum) Die-Casting Foundries
331524	Aluminum Foundries (except Die-Casting)
331525	Copper Foundries (except Die-Casting)
331528	Other Nonferrous Foundries (except Die-Casting)

**Cluster Name:**

**Biopharmaceuticals**

**Cluster Code:**

**5**

**Description:**

Establishments in this cluster produce complex chemical and biological substances used in medications, vaccines, diagnostic tests, and similar medical applications.

*Number of Industries*

4

NAICS	NAICS Name
325411	Medicinal and Botanical Manufacturing
325412	Pharmaceutical Preparation Manufacturing
325414	Biological Product (except Diagnostic) Manufacturing
325413	In-Vitro Diagnostic Substance Manufacturing

**Cluster Name:**

**Business Services**

**Cluster Code:**

**6**

**Description:**

Firms in this cluster include establishments and services primarily designed to support other aspects of a business or to assist unrelated companies. This includes corporate headquarters. Professional services such as consulting, legal services, facilities support services, computer services, engineering and architectural services, and placement services. All for-hire ground passenger transportation services are also present in this cluster.

<i>Number of Industries</i>	33
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<b>NAICS</b>	<b>NAICS Name</b>
551111	Offices of Bank Holding Companies
551112	Offices of Other Holding Companies
551114	Corporate, Subsidiary, and Regional Managing Offices
541611	Administrative Management and General Management Consulting Services
541612	Human Resources and Executive Search Consulting Services
541614	Process, Physical Distribution, and Logistics Consulting Services
541618	Other Management Consulting Services
541690	Other Scientific and Technical Consulting Services
533110	Lessors of Nonfinancial Intangible Assets (except Copyrighted Works)
541199	All Other Legal Services
541214	Payroll Services
541930	Translation and Interpretation Services
541990	All Other Professional, Scientific, and Technical Services
561210	Facilities Support Services
561330	Professional Employer Organizations
561421	Telephone Answering Services
561422	Telemarketing Bureaus

NAICS	NAICS Name
561920	Convention and Trade Show Organizers
518210	Data Processing, Hosting, and Related Services
541511	Custom Computer Programming Services
541512	Computer Systems Design Services
541513	Computer Facilities Management Services
541519	Other Computer Related Services
561311	Employment Placement Agencies
561312	Executive Search Services
541330	Engineering Services
541310	Architectural Services
541320	Landscape Architectural Services
541340	Drafting Services
485310	Taxi Service
485320	Limousine Service
485999	All Other Transit and Ground Passenger Transportation
532112	Passenger Car Leasing

**Cluster Name:**

**Coal Mining**

**Cluster Code:**

**7**

**Description:**

This cluster includes establishments that mine coal and provide services to support coal mining.

<i>Number of Industries</i> 4
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<b>NAICS</b>	<b>NAICS Name</b>
212111	Bituminous Coal and Lignite Surface Mining
212112	Bituminous Coal Underground Mining
212113	Anthracite Mining
213113	Support Activities for Coal Mining

**Cluster Name:**

**Communications Equipment and Services**

**Cluster Code:**

**8**

**Description:**

This cluster involves goods and services used for communications. This includes cable, wireless, and satellite services, as well as telephone, broadcasting, and wireless communications equipment.

<i>Number of Industries</i>	8
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<b>NAICS</b>	<b>NAICS Name</b>
515210	Cable and Other Subscription Programming
517210	Wireless Telecommunications Carriers (except Satellite)
517410	Satellite Telecommunications
517919	All Other Telecommunications
334210	Telephone Apparatus Manufacturing
334220	Radio and Television Broadcasting and Wireless Communications Equipment Manufacturing
334290	Other Communications Equipment Manufacturing
335912	Primary Battery Manufacturing

**Cluster Name:**

**Construction Products and Services**

**Cluster Code:**

**9**

**Description:**

The establishments in this cluster supply construction materials, components, products, and services. Construction materials and components include those made of sand, stone, gravel, asphalt, cement, concrete, and other earthen substances. Construction products include pipes and heat exchangers. Construction services include the construction of pipelines for water, sewers, oil and gas, power, and communication, as well as building services for homes and industrial buildings.

<i>Number of Industries</i>	20
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<b>NAICS</b>	<b>NAICS Name</b>
236210	Industrial Building Construction
237120	Oil and Gas Pipeline and Related Structures Construction
237130	Power and Communication Line and Related Structures Construction
237990	Other Heavy and Civil Engineering Construction
221310	Water Supply and Irrigation Systems
221330	Steam and Air-Conditioning Supply
332410	Power Boiler and Heat Exchanger Manufacturing
332420	Metal Tank (Heavy Gauge) Manufacturing
332913	Plumbing Fixture Fitting and Trim Manufacturing
332996	Fabricated Pipe and Pipe Fitting Manufacturing
327310	Cement Manufacturing
327331	Concrete Block and Brick Manufacturing
327332	Concrete Pipe Manufacturing
327410	Lime Manufacturing
327420	Gypsum Product Manufacturing
327991	Cut Stone and Stone Product Manufacturing
327993	Mineral Wool Manufacturing
327999	All Other Miscellaneous Nonmetallic Mineral Product Manufacturing
324121	Asphalt Paving Mixture and Block Manufacturing
324122	Asphalt Shingle and Coating Materials Manufacturing

**Cluster Name:**

**Distribution and Electronic Commerce**

**Cluster Code:**

**10**

**Description:**

This cluster consists primarily of traditional wholesalers as well as mail order houses and electronic merchants. The companies in this cluster mostly buy, hold, and distribute a wide range of products such as apparel, food, chemicals, gasses, minerals, farm materials, machinery, and other merchandise. The cluster also contains firms that support distribution and electronic commerce operations, including packaging, labeling, and equipment rental and leasing.

<i>Number of Industries</i>	62
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NAICS	NAICS Name
493110	General Warehousing and Storage
493120	Refrigerated Warehousing and Storage
493190	Other Warehousing and Storage
425110	Business to Business Electronic Markets
454111	Electronic Shopping
454112	Electronic Auctions
454113	Mail-Order Houses
425120	Wholesale Trade Agents and Brokers
561499	All Other Business Support Services
561910	Packaging and Labeling Services
424310	Piece Goods, Notions, and Other Dry Goods Merchant Wholesalers
424320	Men's and Boys' Clothing and Furnishings Merchant Wholesalers
424330	Women's, Children's, and Infants' Clothing and Accessories Merchant Wholesalers
424340	Footwear Merchant Wholesalers
424920	Book, Periodical, and Newspaper Merchant Wholesalers
424610	Plastics Materials and Basic Forms and Shapes Merchant Wholesalers
424690	Other Chemical and Allied Products Merchant Wholesalers
424210	Drugs and Druggists' Sundries Merchant Wholesalers
424590	Other Farm Product Raw Material Merchant Wholesalers

NAICS	NAICS Name
424910	Farm Supplies Merchant Wholesalers
424930	Flower, Nursery Stock, and Florists' Supplies Merchant Wholesalers
424940	Tobacco and Tobacco Product Merchant Wholesalers
493130	Farm Product Warehousing and Storage
424440	Poultry and Poultry Product Merchant Wholesalers
424460	Fish and Seafood Merchant Wholesalers
424470	Meat and Meat Product Merchant Wholesalers
424480	Fresh Fruit and Vegetable Merchant Wholesalers
424820	Wine and Distilled Alcoholic Beverage Merchant Wholesalers
423210	Furniture Merchant Wholesalers
423220	Home Furnishing Merchant Wholesalers
423940	Jewelry, Watch, Precious Stone, and Precious Metal Merchant Wholesalers
424110	Printing and Writing Paper Merchant Wholesalers
424120	Stationery and Office Supplies Merchant Wholesalers
424130	Industrial and Personal Service Paper Merchant Wholesalers
423910	Sporting and Recreational Goods and Supplies Merchant Wholesalers
423920	Toy and Hobby Goods and Supplies Merchant Wholesalers
424950	Paint, Varnish, and Supplies Merchant Wholesalers
424990	Other Miscellaneous Nondurable Goods Merchant Wholesalers
423820	Farm and Garden Machinery and Equipment Merchant Wholesalers
423810	Construction and Mining (except Oil Well) Machinery and Equipment Merchant Wholesalers
423830	Industrial Machinery and Equipment Merchant Wholesalers
423840	Industrial Supplies Merchant Wholesalers
423850	Service Establishment Equipment and Supplies Merchant Wholesalers
423860	Transportation Equipment and Supplies (except Motor Vehicle) Merchant Wholesalers
423410	Photographic Equipment and Supplies Merchant Wholesalers

NAICS	NAICS Name
423420	Office Equipment Merchant Wholesalers
423430	Computer and Computer Peripheral Equipment and Software Merchant Wholesalers
423440	Other Commercial Equipment Merchant Wholesalers
423450	Medical, Dental, and Hospital Equipment and Supplies Merchant Wholesalers
423460	Ophthalmic Goods Merchant Wholesalers
423490	Other Professional Equipment and Supplies Merchant Wholesalers
423610	Electrical Apparatus and Equipment, Wiring Supplies, and Related Equipment Merchant Wholesalers
423620	Electrical and Electronic Appliance, Television, and Radio Set Merchant Wholesalers
423690	Other Electronic Parts and Equipment Merchant Wholesalers
423510	Metal Service Centers and Other Metal Merchant Wholesalers
423520	Coal and Other Mineral and Ore Merchant Wholesalers
424710	Petroleum Bulk Stations and Terminals
424720	Petroleum and Petroleum Products Merchant Wholesalers (except Bulk Stations and Terminals)
532411	Commercial Air, Rail, and Water Transportation Equipment Rental and Leasing
532412	Construction, Mining, and Forestry Machinery and Equipment Rental and Leasing
532420	Office Machinery and Equipment Rental and Leasing
532490	Other Commercial and Industrial Machinery and Equipment Rental and Leasing

**Cluster Name:**

**Downstream Chemical Products**

**Cluster Code:**

**11**

**Description:**

Establishments in this cluster manufacture complex chemical products for end users. These products include adhesives, beauty products, soaps, cleaners, film processing chemicals, dyes, paints, explosives, and lubricating oils.

<i>Number of Industries</i> 13
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<b>NAICS</b>	<b>NAICS Name</b>
325611	Soap and Other Detergent Manufacturing
325612	Polish and Other Sanitation Good Manufacturing
325613	Surface Active Agent Manufacturing
325620	Toilet Preparation Manufacturing
325520	Adhesive Manufacturing
325991	Custom Compounding of Purchased Resins
325992	Photographic Film, Paper, Plate, and Chemical Manufacturing
325998	All Other Miscellaneous Chemical Product and Preparation Manufacturing
325131	Inorganic Dye and Pigment Manufacturing
325132	Synthetic Organic Dye and Pigment Manufacturing
325510	Paint and Coating Manufacturing
325920	Explosives Manufacturing
324191	Petroleum Lubricating Oil and Grease Manufacturing

**Cluster Name:**

**Downstream Metal Products**

**Cluster Code:**

**12**

**Description:**

This cluster contains establishments that manufacture metal containers, prefabricated metal structures, and end user metal products. These end user products include ammunition, kitchenware, hardware, metal bathroom fixtures, and similar metal products used in home finishing such as doors, windows and ornamentation.

<i>Number of Industries</i> 16
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<b>NAICS</b>	<b>NAICS Name</b>
332211	Cutlery and Flatware (except Precious) Manufacturing
332213	Saw Blade and Handsaw Manufacturing
332214	Kitchen Utensil, Pot, and Pan Manufacturing
332321	Metal Window and Door Manufacturing
332323	Ornamental and Architectural Metal Work Manufacturing
332510	Hardware Manufacturing
332998	Enameled Iron and Metal Sanitary Ware Manufacturing
332999	All Other Miscellaneous Fabricated Metal Product Manufacturing
332992	Small Arms Ammunition Manufacturing
332993	Ammunition (except Small Arms) Manufacturing
332994	Small Arms Manufacturing
332995	Other Ordnance and Accessories Manufacturing
332311	Prefabricated Metal Building and Component Manufacturing
332312	Fabricated Structural Metal Manufacturing
332431	Metal Can Manufacturing
332439	Other Metal Container Manufacturing



**Cluster Name:**

## Education and Knowledge Creation

**Cluster Code:**

**13**

**Description:**

This cluster contains all educational and training institutions, as well as related supporting establishments. It also includes research and development institutions in biotechnology, physical sciences, engineering, life sciences, and social sciences.

<i>Number of Industries</i> 15
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NAICS	NAICS Name
611410	Business and Secretarial Schools
611420	Computer Training
611430	Professional and Management Development Training
611512	Flight Training
611513	Apprenticeship Training
611630	Language Schools
611691	Exam Preparation and Tutoring
611699	All Other Miscellaneous Schools and Instruction
611210	Junior Colleges
611310	Colleges, Universities, and Professional Schools
611710	Educational Support Services
541711	Research and Development in Biotechnology
541712	Research and Development in the Physical, Engineering, and Life Sciences (except Biotechnology)
541720	Research and Development in the Social Sciences and Humanities
813920	Professional Organizations

**Cluster Name:**

**Electric Power Generation and Transmission**

**Cluster Code:**

**14**

**Description:**

This cluster contains establishments primarily engaged in generating and distributing electric power. This includes power generated from alternative energy sources such as hydroelectric power, nuclear electric power, and solar and wind generated electric power.

*Number of Industries*      5

<b>NAICS</b>	<b>NAICS Name</b>
221112	Fossil Fuel Electric Power Generation
221111	Hydroelectric Power Generation
221113	Nuclear Electric Power Generation
221119	Other Electric Power Generation
221121	Electric Bulk Power Transmission and Control

**Cluster Name:**

**Environmental Services**

**Cluster Code:**

**15**

**Description:**

This cluster contains establishments primarily engaged in collection, treatment, processing, and disposal of hazardous and non-hazardous waste.

*Number of Industries*      7

<b>NAICS</b>	<b>NAICS Name</b>
562112	Hazardous Waste Collection
562119	Other Waste Collection
562211	Hazardous Waste Treatment and Disposal
562213	Solid Waste Combustors and Incinerators
562219	Other Nonhazardous Waste Treatment and Disposal
562920	Materials Recovery Facilities
562998	All Other Miscellaneous Waste Management Services

**Cluster Name:**

**Financial Services**

**Cluster Code:**

**16**

**Description:**

This cluster contains establishments involved in aiding the transaction and growth of financial assets for businesses and individuals. These firms include securities brokers, dealers, and exchanges; credit institutions; and financial investment support. Insurance firms are located in a separate Insurance cluster.

<i>Number of Industries</i>	26
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NAICS	NAICS Name
523910	Miscellaneous Intermediation
523920	Portfolio Management
523930	Investment Advice
523991	Trust, Fiduciary, and Custody Activities
523999	Miscellaneous Financial Investment Activities
525910	Open-End Investment Funds
525990	Other Financial Vehicles
522120	Savings Institutions
522190	Other Depository Credit Intermediation
522210	Credit Card Issuing
522220	Sales Financing
522291	Consumer Lending
522292	Real Estate Credit
522293	International Trade Financing
522294	Secondary Market Financing
522298	All Other Nondepository Credit Intermediation
522320	Financial Transactions Processing, Reserve, and Clearinghouse Activities
522390	Other Activities Related to Credit Intermediation
561450	Credit Bureaus
521110	Monetary Authorities - Central Bank
522310	Mortgage and Nonmortgage Loan Brokers
523110	Investment Banking and Securities Dealing
523120	Securities Brokerage
523130	Commodity Contracts Dealing
523140	Commodity Contracts Brokerage
523210	Securities and Commodity Exchanges

**Cluster Name:**

**Fishing and Fishing Products**

**Cluster Code:**

**17**

**Description:**

Establishments in this cluster are engaged primarily in catching fish and other seafood and processing the catch for consumption.

<i>Number of Industries</i> 5
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NAICS	NAICS Name
114111	Finfish Fishing
114112	Shellfish Fishing
114119	Other Marine Fishing
311711	Seafood Canning
311712	Fresh and Frozen Seafood Processing

**Cluster Name:**

**Food Processing and Manufacturing**

**Cluster Code:**

**18**

**Description:**

This cluster includes firms involved in the processing of raw food materials and the manufacturing of downstream food products for end users. This includes millers and refineries of rice, flour, corn, sugar, and oilseeds. These upstream products contribute in part to producing specialty foods, animal foods, baked goods, candies, teas, coffees, beers, wines, other beverages, meats, packaged fruits and vegetables, and processed dairy products.

<i>Number of Industries</i>	47
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NAICS	NAICS Name
311412	Frozen Specialty Food Manufacturing
311422	Specialty Canning
311930	Flavoring Syrup and Concentrate Manufacturing
311941	Mayonnaise, Dressing, and Other Prepared Sauce Manufacturing
311942	Spice and Extract Manufacturing
311991	Perishable Prepared Food Manufacturing
311999	All Other Miscellaneous Food Manufacturing
311211	Flour Milling
311230	Breakfast Cereal Manufacturing
311813	Frozen Cakes, Pies, and Other Pastries Manufacturing
311821	Cookie and Cracker Manufacturing
311822	Flour Mixes and Dough Manufacturing from Purchased Flour
311823	Dry Pasta Manufacturing
311830	Tortilla Manufacturing
311919	Other Snack Food Manufacturing
311320	Chocolate and Confectionery Manufacturing from Cacao Beans
311330	Confectionery Manufacturing from Purchased Chocolate
311340	Nonchocolate Confectionery Manufacturing
311920	Coffee and Tea Manufacturing
311411	Frozen Fruit, Juice, and Vegetable Manufacturing
311421	Fruit and Vegetable Canning
311423	Dried and Dehydrated Food Manufacturing

NAICS	NAICS Name
311911	Roasted Nuts and Peanut Butter Manufacturing
311511	Fluid Milk Manufacturing
311512	Creamery Butter Manufacturing
311513	Cheese Manufacturing
311514	Dry, Condensed, and Evaporated Dairy Product Manufacturing
311520	Ice Cream and Frozen Dessert Manufacturing
311111	Dog and Cat Food Manufacturing
311119	Other Animal Food Manufacturing
312111	Soft Drink Manufacturing
312112	Bottled Water Manufacturing
312113	Ice Manufacturing
311213	Malt Manufacturing
312120	Breweries
312140	Distilleries
312130	Wineries
311212	Rice Milling
311221	Wet Corn Milling
311222	Soybean Processing
311223	Other Oilseed Processing
311225	Fats and Oils Refining and Blending
311311	Sugarcane Mills
311312	Cane Sugar Refining
311313	Beet Sugar Manufacturing
424510	Grain and Field Bean Merchant Wholesalers
327213	Glass Container Manufacturing

**Cluster Name:**

**Footwear**

**Cluster Code:**

**19**

**Description:**

Establishments in this cluster are those that manufacture men's and women's shoes, boots, slippers, and other footwear. This cluster also contains the upstream leather used in making footwear.

<i>Number of Industries</i> 6
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<b>NAICS</b>	<b>NAICS Name</b>
316211	Rubber and Plastics Footwear Manufacturing
316212	House Slipper Manufacturing
316213	Men's Footwear (except Athletic) Manufacturing
316214	Women's Footwear (except Athletic) Manufacturing
316219	Other Footwear Manufacturing
316110	Leather and Hide Tanning and Finishing

**Cluster Name:**

**Forestry**

**Cluster Code:**

**20**

**Description:**

Establishments in this cluster are those that involve growing and harvesting trees. It also includes support services for these activities.

*Number of Industries*

4

NAICS	NAICS Name
113110	Timber Tract Operations
113210	Forest Nurseries & Gathering Forest Products
113310	Logging
115310	Forestry Support Activities

**Cluster Name:**

**Furniture**

**Cluster Code:**

**21**

**Description:**

This cluster contains establishments that manufacture furniture, cabinets, and shelving for residential homes and offices. It also includes establishments that produce manufactured homes. The products in this cluster can be made of wood, metal, plastic, and/or textiles.

<i>Number of Industries</i> 12
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<b>NAICS</b>	<b>NAICS Name</b>
337121	Upholstered Household Furniture Manufacturing
337122	Nonupholstered Wood Household Furniture Manufacturing
337124	Metal Household Furniture Manufacturing
337125	Household Furniture (except Wood and Metal) Manufacturing
337910	Mattress Manufacturing
337127	Institutional Furniture Manufacturing
337211	Wood Office Furniture Manufacturing
337214	Office Furniture (except Wood) Manufacturing
337110	Wood Kitchen Cabinet and Countertop Manufacturing
337129	Wood Television, Radio, and Sewing Machine Cabinet Manufacturing
337215	Showcase, Partition, Shelving, and Locker Manufacturing
321991	Manufactured Home (Mobile Home) Manufacturing

**Cluster Name:**

**Hospitality and Tourism**

**Cluster Code:**

**22**

**Description:**

This cluster contains establishments related to hospitality and tourism services and venues. This includes sport venues, casinos, museums, and other attractions. It also includes hotels and other accommodations, transportation, and services related to recreational travel such as reservation services and tour operators.

<i>Number of Industries</i>	31
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NAICS	NAICS Name
711211	Sports Teams and Clubs
711212	Racetracks
711219	Other Spectator Sports
713110	Amusement and Theme Parks
713120	Amusement Arcades
453920	Art Dealers
712110	Museums
712120	Historical Sites
712130	Zoos and Botanical Gardens
712190	Nature Parks and Other Similar Institutions
713210	Casinos (except Casino Hotels)
713290	Other Gambling Industries
114210	Hunting and Trapping
713920	Skiing Facilities
713930	Marinas
713990	All Other Amusement and Recreation Industries
721214	Recreational and Vacation Camps (except Campgrounds)
561591	Convention and Visitors Bureaus
721110	Hotels (except Casino Hotels) and Motels
721120	Casino Hotels

NAICS	NAICS Name
721191	Bed-and-Breakfast Inns
721199	All Other Traveler Accommodation
721211	RV (Recreational Vehicle) Parks and Campgrounds
721310	Rooming and Boarding Houses
487110	Scenic and Sightseeing Transportation, Land
487210	Scenic and Sightseeing Transportation, Water
487990	Scenic and Sightseeing Transportation, Other
532292	Recreational Goods Rental
561510	Travel Agencies
561520	Tour Operators
561599	All Other Travel Arrangement and Reservation Services

**Cluster Name:**

**Information Technology and Analytical Instruments**

0.18

**Cluster Code:**

**23**

**Description:**

This cluster consists of information technology and analytical products such as computers, software, audio visual equipment, laboratory instruments, and medical apparatus. The cluster also includes the standard and precision electronics used by these products (for example, circuit boards and semiconductor devices).

*Number of Industries* 27

NAICS	NAICS Name
334411	Electron Tube Manufacturing
334412	Bare Printed Circuit Board Manufacturing
334414	Electronic Capacitor Manufacturing
334415	Electronic Resistor Manufacturing
334416	Electronic Coil, Transformer, and Other Inductor Manufacturing
334417	Electronic Connector Manufacturing
334418	Printed Circuit Assembly (Electronic Assembly) Manufacturing
334419	Other Electronic Component Manufacturing
334111	Electronic Computer Manufacturing
334112	Computer Storage Device Manufacturing
334113	Computer Terminal Manufacturing
334119	Other Computer Peripheral Equipment Manufacturing
333295	Semiconductor Machinery Manufacturing
334413	Semiconductor and Related Device Manufacturing
511210	Software Publishers
334611	Software Reproducing
334613	Magnetic and Optical Recording Media Manufacturing
334512	Automatic Environmental Control Manufacturing for Residential, Commercial, and Appliance Use
334513	Instruments and Related Products Manufacturing for Measuring, Displaying, and Controlling Industrial Process Variables
334514	Totalizing Fluid Meter and Counting Device Manufacturing
334515	Instrument Manufacturing for Measuring and Testing Electricity and Electrical Signals
334516	Analytical Laboratory Instrument Manufacturing
334518	Watch, Clock, and Part Manufacturing
334519	Other Measuring and Controlling Device Manufacturing
334510	Electromedical and Electrotherapeutic Apparatus Manufacturing
334517	Irradiation Apparatus Manufacturing
334310	Audio and Video Equipment Manufacturing

**Cluster Name:**

**Insurance Services**

0.66

**Cluster Code:**

**24**

**Description:**

This cluster consists of firms providing a range of insurance types, as well as support services such as reinsurance and claims adjustment.

<i>Number of Industries</i>	8
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NAICS	NAICS Name
524291	Claims Adjusting
524298	All Other Insurance Related Activities
524113	Direct Life Insurance Carriers
524114	Direct Health and Medical Insurance Carriers
524126	Direct Property and Casualty Insurance Carriers
524127	Direct Title Insurance Carriers
524128	Other Direct Insurance (except Life, Health, and Medical) Carriers
524130	Reinsurance Carriers

**Cluster Name:**

**Jewelry and Precious Metals**

**Cluster Code:**

**25**

**Description:**

Establishments in this cluster manufacture jewelry, silverware, and fine tableware. This cluster also includes the upstream manufacture of jewelry parts and the processing of gemstones.

1.02

<i>Number of Industries</i>	4
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NAICS	NAICS Name
339911	Jewelry (except Costume) Manufacturing
339912	Silverware and Hollowware Manufacturing
339913	Jewelers' Material and Lapidary Work Manufacturing
339914	Costume Jewelry and Novelty Manufacturing

**Cluster Name:**

**Leather and Related Products**

0.99

**Cluster Code:**

**26**

**Description:**

This cluster consists of manufacturers of luggage and handbags made of leather and fabric. It also includes producers of personal and assorted other leather goods, as well as mills that produce textile bags and related products made from canvas.

<i>Number of Industries</i>	6
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<b>NAICS</b>	<b>NAICS Name</b>
316991	Luggage Manufacturing
316993	Personal Leather Good (except Women's Handbag and Purse) Manufacturing
316999	All Other Leather Good Manufacturing
316992	Women's Handbag and Purse Manufacturing
314911	Textile Bag Mills
314912	Canvas and Related Product Mills

**Cluster Name:**

**Lighting and Electrical Equipment**

0.51

**Cluster Code:**

**27**

**Description:**

This cluster contains firms involved in the manufacture of electrical equipment and electronic components. The companies in this cluster manufacture wire for communications, wiring devices, fiber optic cables, switchboards, lighting fixtures, motors, transformers, and related products.

<i>Number of Industries</i>	15
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<b>NAICS</b>	<b>NAICS Name</b>
335110	Electric Lamp Bulb and Part Manufacturing
335121	Residential Electric Lighting Fixture Manufacturing
335122	Commercial, Industrial, and Institutional Electric Lighting Fixture Manufacturing
335129	Other Lighting Equipment Manufacturing
335311	Power, Distribution, and Specialty Transformer Manufacturing
335312	Motor and Generator Manufacturing
335313	Switchgear and Switchboard Apparatus Manufacturing
335314	Relay and Industrial Control Manufacturing
335921	Fiber Optic Cable Manufacturing
335929	Other Communication and Energy Wire Manufacturing
335931	Current-Carrying Wiring Device Manufacturing
335932	Noncurrent-Carrying Wiring Device Manufacturing
335991	Carbon and Graphite Product Manufacturing
335999	All Other Miscellaneous Electrical Equipment and Component Manufacturing
335911	Storage Battery Manufacturing

**Cluster Name:**

**Livestock Processing**

0.48

**Cluster Code:**

**28**

**Description:**

This cluster contains establishments engaged in processing meat from livestock and livestock wholesaling.

<i>Number of Industries</i>	5
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NAICS	NAICS Name
311611	Animal (except Poultry) Slaughtering
311612	Meat Processed from Carcasses
311613	Rendering and Meat Byproduct Processing
311615	Poultry Processing
424520	Livestock Merchant Wholesalers

**Cluster Name:**

**Marketing, Design, and Publishing**

0.4

**Cluster Code:**

**29**

**Description:**

This cluster consists of establishments involved in design services (physical and graphical), marketing (including advertising creation, marketing research, media buying, and public relations), and publishing (both in hard copy and on the internet).

<i>Number of Industries</i>	22
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NAICS	NAICS Name
541810	Advertising Agencies
541850	Display Advertising
541860	Direct Mail Advertising
541870	Advertising Material Distribution Services
541890	Other Services Related to Advertising
541613	Marketing Consulting Services
541820	Public Relations Agencies
541830	Media Buying Agencies
541840	Media Representatives
541910	Marketing Research and Public Opinion Polling
541410	Interior Design Services
541420	Industrial Design Services
541430	Graphic Design Services
541490	Other Specialized Design Services
511120	Periodical Publishers
511130	Book Publishers
511140	Directory and Mailing List Publishers
511199	All Other Publishers
519110	News Syndicates
519120	Libraries and Archives
519130	Internet Publishing and Broadcasting and Web Search Portals
519190	All Other Information Services

**Cluster Name:**

**Medical Devices**

0.06

**Cluster Code:**

**30**

**Description:**

Establishments in this cluster primarily manufacture surgical, medical, dental, optical, ophthalmic, and veterinary instruments and supplies.

<i>Number of Industries</i>	5
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NAICS	NAICS Name
333314	Optical Instrument and Lens Manufacturing
339115	Ophthalmic Goods Manufacturing
339112	Surgical and Medical Instrument Manufacturing
339113	Surgical Appliance and Supplies Manufacturing
339114	Dental Equipment and Supplies Manufacturing

**Cluster Name:**

**Metal Mining**

0.2

**Cluster Code:**

**31**

**Description:**

Establishments in this cluster mine various metals including iron, gold, silver, lead, copper, and uranium. It also includes firms involved in supporting metal mining activities.

<i>Number of Industries</i>	8
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NAICS	NAICS Name
212210	Iron Ore Mining
212221	Gold Ore Mining
212222	Silver Ore Mining
212231	Lead Ore & Zinc Ore Mining
212234	Copper Ore & Nickel Ore Mining
212291	Uranium-Radium-Vanadium Ore Mining
212299	All Other Metal Ore Mining
213114	Support Activities for Metal Mining

**Cluster Name:**

**Metalworking Technology**

0.14

**Cluster Code:**

**32**

**Description:**

The establishments in this cluster manufacture machine tools and process metal for use in metal working. The cluster also contains the downstream manufacture of metal fasteners and hand tools.

<i>Number of Industries</i>	17
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NAICS	NAICS Name
333511	Industrial Mold Manufacturing
333514	Special Die and Tool, Die Set, Jig, and Fixture Manufacturing
333516	Rolling Mill Machinery and Equipment Manufacturing
333518	Other Metalworking Machinery Manufacturing
333992	Welding and Soldering Equipment Manufacturing
333512	Machine Tool (Metal Cutting Types) Manufacturing
333513	Machine Tool (Metal Forming Types) Manufacturing
333515	Cutting Tool and Machine Tool Accessory Manufacturing
332212	Hand and Edge Tool Manufacturing
333991	Power-Driven Handtool Manufacturing
332721	Precision Turned Product Manufacturing
332722	Bolt, Nut, Screw, Rivet, and Washer Manufacturing
327910	Abrasive Product Manufacturing
332313	Plate Work Manufacturing
332811	Metal Heat Treating
332812	Metal Coating, Engraving (except Jewelry and Silverware), and Allied Services to Manufacturers
332813	Electroplating, Plating, Polishing, Anodizing, and Coloring

**Cluster Name:**

**Music and Sound Recording**

0.68

**Cluster Code:**

**33**

**Description:**

Establishments in this cluster are primarily involved in the production and distribution of music and other sound recordings.

<i>Number of Industries</i>	5
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NAICS	NAICS Name
512210	Record Production
512220	Integrated Record Production/Distribution
512230	Music Publishers
512240	Sound Recording Studios
512290	Other Sound Recording Industries

**Cluster Name:**

**Nonmetal Mining**

0.42

**Cluster Code:**

**34**

**Description:**

Establishments in this cluster mine earthen materials other than metals. This includes stone, granite, sand, clay, borate, and other minerals. The cluster also includes support for the nonmetal mining activities.

<i>Number of Industries</i>	13
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NAICS	NAICS Name
212311	Dimension Stone Mining and Quarrying
212312	Crushed and Broken Limestone Mining and Quarrying
212313	Crushed and Broken Granite Mining and Quarrying
212319	Other Crushed and Broken Stone Mining and Quarrying
212321	Construction Sand and Gravel Mining
212322	Industrial Sand Mining
212324	Kaolin and Ball Clay Mining
212325	Clay and Ceramic and Refractory Minerals Mining
212391	Potash, Soda, and Borate Mineral Mining
212392	Phosphate Rock Mining
212393	Other Chemical and Fertilizer Mineral Mining
212399	All Other Nonmetallic Mineral Mining
213115	Nonmetallic Minerals Support Activity (except Fuels)

**Cluster Name:**

**Oil and Gas Production and Transportation**

3.78

**Cluster Code:**

**35**

**Description:**

This cluster includes firms involved in locating, extracting, refining, and transporting oil and gas. This includes companies that manufacture the equipment necessary to extract oil and gas, as well as companies that provide support services for oil and gas operations and pipeline transport.

<i>Number of Industries</i>	12
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<b>NAICS</b>	<b>NAICS Name</b>
324110	Petroleum Refineries
324199	All Other Petroleum and Coal Products Manufacturing
213112	Support Activities for Oil and Gas Operations
541360	Geophysical Surveying and Mapping Services
213111	Drilling Oil and Gas Wells
211111	Crude Petroleum and Natural Gas Extraction
211112	Natural Gas Liquid Extraction
333132	Oil and Gas Field Machinery and Equipment Manufacturing
486110	Pipeline Transportation of Crude Oil
486210	Pipeline Transportation of Natural Gas
486910	Pipeline Transportation of Refined Petroleum Products
486990	All Other Pipeline Transportation

**Cluster Name:**

**Paper and Packaging**

**Cluster Code:**

**36**

**Description:**

This cluster contains the paper mills and manufacturers of paper products used for shipping, packaging, containers, office supplies, personal products, and similar products.

<i>Number of Industries</i> 20
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<b>NAICS</b>	<b>NAICS Name</b>
322110	Pulp Mills
322121	Paper (except Newsprint) Mills
322122	Newsprint Mills
322130	Paperboard Mills
322211	Corrugated and Solid Fiber Box Manufacturing
322212	Folding Paperboard Box Manufacturing
322213	Setup Paperboard Box Manufacturing
322214	Fiber Can, Tube, Drum, and Similar Products Manufacturing
322215	Nonfolding Sanitary Food Container Manufacturing
322221	Coated and Laminated Packaging Paper and Plastics Film Manufacturing
322222	Coated and Laminated Paper Manufacturing
322223	Plastics, Foil, and Coated Paper Bag Manufacturing
322224	Uncoated Paper and Multiwall Bag Manufacturing
322225	Laminated Aluminum Foil Manufacturing for Flexible Packaging Uses
322226	Surface-Coated Paperboard Manufacturing
322231	Die-Cut Paper and Paperboard Office Supplies Manufacturing
322232	Envelope Manufacturing
322233	Stationery, Tablet, and Related Product Manufacturing
322291	Sanitary Paper Product Manufacturing
322299	All Other Converted Paper Product Manufacturing



**Cluster Name:**

**Performing Arts**

1.49

**Cluster Code:**

**37**

**Description:**

This cluster contains services that produce, promote, and support live artistic performances. Live performances include those by theater companies, dance troupes, musicians, and independent artists.

<i>Number of Industries</i>	8
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<b>NAICS</b>	<b>NAICS Name</b>
711110	Theater Companies and Dinner Theaters
711120	Dance Companies
711130	Musical Groups and Artists
711190	Other Performing Arts Companies
711510	Independent Artists, Writers, and Performers
711310	Promoters of Performing Arts, Sports, and Similar Events with Facilities
711320	Promoters of Performing Arts, Sports, and Similar Events without Facilities
711410	Agents and Managers for Artists, Athletes, Entertainers, and Other Public Figures

**Cluster Name:**

**Plastics**

0.46

**Cluster Code:**

**38**

**Description:**

Establishments in this cluster manufacture plastic materials, components, and products. The plastics and foams are manufactured for packaging, pipes, floor coverings, and related plastic products. The cluster also includes the upstream manufacturing of plastic materials and resins, as well as the industrial machines used to manufacture plastics.

<i>Number of Industries</i>	15
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NAICS	NAICS Name
326111	Plastics Bag Manufacturing
326122	Plastics Pipe and Pipe Fitting Manufacturing
326140	Polystyrene Foam Product Manufacturing
326150	Urethane and Other Foam Product (except Polystyrene) Manufacturing
326160	Plastics Bottle Manufacturing
326191	Plastics Plumbing Fixture Manufacturing
326192	Resilient Floor Covering Manufacturing
326199	All Other Plastics Product Manufacturing
339994	Broom, Brush, and Mop Manufacturing
325211	Plastics Material and Resin Manufacturing
326112	Plastics Packaging Film and Sheet (including Laminated) Manufacturing
326113	Unlaminated Plastics Film and Sheet (except Packaging) Manufacturing
326121	Unlaminated Plastics Profile Shape Manufacturing
326130	Laminated Plastics Plate, Sheet (except Packaging), and Shape Manufacturing
333220	Plastics and Rubber Industry Machinery Manufacturing

**Cluster Name:**

**Printing Services**

0.44

**Cluster Code:**

**39**

**Description:**

Establishments in this cluster are primarily engaged in commercial printing, digital printing, and binding. The cluster includes upstream products and services necessary for printing (for example, ink and prepress services). It also includes end products such as books, greeting cards, business forms, and related goods.

<i>Number of Industries</i>	13
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<b>NAICS</b>	<b>NAICS Name</b>
325910	Printing Ink Manufacturing
323121	Tradebinding and Related Work
323122	Prepress Services
323110	Commercial Lithographic Printing
323111	Commercial Gravure Printing
323112	Commercial Flexographic Printing
323113	Commercial Screen Printing
323115	Digital Printing
323116	Manifold Business Forms Printing
323117	Books Printing
323118	Blankbook, Looseleaf Binders, and Devices Manufacturing
323119	Other Commercial Printing
511191	Greeting Card Publishers

**Cluster Name:**

**Production Technology and Heavy Machinery**

**Cluster Code:**

**40**

**Description:**

Establishments in this cluster primarily manufacture machines designed to produce parts and devices used in the production of downstream products. This cluster also includes end use heavy machinery such as air and material handling equipment. The machines are used for industrial, agricultural, construction, commercial industry, and related purposes.

<i>Number of Industries</i>	41
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NAICS	NAICS Name
333210	Sawmill and Woodworking Machinery Manufacturing
333291	Paper Industry Machinery Manufacturing
333292	Textile Machinery Manufacturing
333293	Printing Machinery and Equipment Manufacturing
333294	Food Product Machinery Manufacturing
333298	All Other Industrial Machinery Manufacturing
333993	Packaging Machinery Manufacturing
333999	All Other Miscellaneous General Purpose Machinery Manufacturing
333111	Farm Machinery and Equipment Manufacturing
333112	Lawn and Garden Tractor and Home Lawn and Garden Equipment Manufacturing
333120	Construction Machinery Manufacturing
333131	Mining Machinery and Equipment Manufacturing
333611	Turbine and Turbine Generator Set Units Manufacturing
333612	Speed Changer, Industrial High-Speed Drive, and Gear Manufacturing
333613	Mechanical Power Transmission Equipment Manufacturing
333618	Other Engine Equipment Manufacturing
336510	Railroad Rolling Stock Manufacturing
333411	Air Purification Equipment Manufacturing
333412	Industrial and Commercial Fan and Blower Manufacturing
333414	Heating Equipment (except Warm Air Furnaces) Manufacturing

NAICS	NAICS Name
333415	Air-Conditioning and Warm Air Heating Equipment and Commercial and Industrial Refrigeration Equipment Manufacturing
333311	Automatic Vending Machine Manufacturing
333312	Commercial Laundry, Drycleaning, and Pressing Machine Manufacturing
333319	Other Commercial and Service Industry Machinery Manufacturing
333921	Elevator and Moving Stairway Manufacturing
333922	Conveyor and Conveying Equipment Manufacturing
333923	Overhead Traveling Crane, Hoist, and Monorail System Manufacturing
333924	Industrial Truck, Tractor, Trailer, and Stacker Machinery Manufacturing
332911	Industrial Valve Manufacturing
332912	Fluid Power Valve and Hose Fitting Manufacturing
332919	Other Metal Valve and Pipe Fitting Manufacturing
332991	Ball and Roller Bearing Manufacturing
332997	Industrial Pattern Manufacturing
333911	Pump and Pumping Equipment Manufacturing
333912	Air and Gas Compressor Manufacturing
333913	Measuring and Dispensing Pump Manufacturing
333994	Industrial Process Furnace and Oven Manufacturing
333995	Fluid Power Cylinder and Actuator Manufacturing
333996	Fluid Power Pump and Motor Manufacturing
333997	Scale and Balance (except Laboratory) Manufacturing
339991	Gasket, Packing, and Sealing Device Manufacturing





**Cluster Name:**

**Recreational and Small Electric Goods**

**Cluster Code:**

**41**

**Description:**

This cluster contains establishments that manufacture end use products for recreational and decorative purposes. These products include games, toys, bicycles, motorcycles, musical instruments, sporting goods, art supplies, office supplies, shades, and home accessories. This cluster also incorporates firms that produce small, simple electric goods like hairdryers, fans, and office machinery.

<i>Number of Industries</i>	15
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NAICS	NAICS Name
337920	Blind and Shade Manufacturing
339992	Musical Instrument Manufacturing
339993	Fastener, Button, Needle, and Pin Manufacturing
339999	All Other Miscellaneous Manufacturing
339931	Doll and Stuffed Toy Manufacturing
339932	Game, Toy, and Children's Vehicle Manufacturing
336991	Motorcycle, Bicycle, and Parts Manufacturing
339920	Sporting and Athletic Goods Manufacturing
333313	Office Machinery Manufacturing
333315	Photographic and Photocopying Equipment Manufacturing
339941	Pen and Mechanical Pencil Manufacturing
339942	Lead Pencil and Art Good Manufacturing
339943	Marking Device Manufacturing
339944	Carbon Paper and Inked Ribbon Manufacturing
335211	Electric Housewares and Household Fan Manufacturing

**Cluster Name:**

**Textile Manufacturing**

**Cluster Code:**

**42**

**Description:**

This cluster contains textile mills that primarily produce and finish fabrics for clothing, carpets, upholstery, and similar uses. The textiles include yarn, thread, fibers, hosiery, knits, and other specialty fabrics.

<i>Number of Industries</i>	23
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NAICS	NAICS Name
313111	Yarn Spinning Mills
313112	Yarn Texturizing, Throwing, and Twisting Mills
313113	Thread Mills
313210	Broadwoven Fabric Mills
313221	Narrow Fabric Mills
313222	Schiffli Machine Embroidery
313230	Nonwoven Fabric Mills
313241	Weft Knit Fabric Mills
313249	Other Knit Fabric and Lace Mills
313311	Broadwoven Fabric Finishing Mills
313312	Textile and Fabric Finishing (except Broadwoven Fabric) Mills
313320	Fabric Coating Mills
315111	Sheer Hosiery Mills
315119	Other Hosiery and Sock Mills
315191	Outerwear Knitting Mills
315192	Underwear and Nightwear Knitting Mills
314110	Carpet and Rug Mills
314121	Curtain and Drapery Mills
314129	Other Household Textile Product Mills
314991	Rope, Cordage, and Twine Mills
314992	Tire Cord and Tire Fabric Mills
325221	Cellulosic Organic Fiber Manufacturing
325222	Noncellulosic Organic Fiber Manufacturing



**Cluster Name:**

**Tobacco**

0.38

**Cluster Code:**

**43**

**Description:**

The establishments in this cluster manufacture cigarettes and other tobacco products.  
This also includes upstream tobacco leaf processing.

<i>Number of Industries</i>	3
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NAICS	NAICS Name
312210	Tobacco Stemming and Redrying
312221	Cigarette Manufacturing
312229	Other Tobacco Product Manufacturing

**Cluster Name:**

**Trailers, Motor Homes, and Appliances**

0.05

**Cluster Code:**

**44**

**Description:**

This cluster includes establishments that manufacture trailers, campers, and motor homes, as well as major household appliances.

<i>Number of Industries</i>	9
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NAICS	NAICS Name
336212	Truck Trailer Manufacturing
336213	Motor Home Manufacturing
336214	Travel Trailer and Camper Manufacturing
339995	Burial Casket Manufacturing
335212	Household Vacuum Cleaner Manufacturing
335221	Household Cooking Appliance Manufacturing
335222	Household Refrigerator and Home Freezer Manufacturing
335224	Household Laundry Equipment Manufacturing
335228	Other Major Household Appliance Manufacturing

**Cluster Name:**

**Transportation and Logistics**

0.71

**Cluster Code:**

**45**

**Description:**

This cluster contains all air, rail, bus, and freight transportation services. It also includes related operation services and support activities such as inspections, maintenance, repairs, security, and loading/unloading.

<i>Number of Industries</i>	17
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NAICS	NAICS Name
481111	Scheduled Passenger Air Transportation
481112	Scheduled Freight Air Transportation
481212	Nonscheduled Chartered Freight Air Transportation
488111	Air Traffic Control
488119	Other Airport Operations
488190	Other Support Activities for Air Transportation
481211	Nonscheduled Chartered Passenger Air Transportation
481219	Other Nonscheduled Air Transportation
488210	Support Activities for Rail Transportation
488490	Other Support Activities for Road Transportation
488510	Freight Transportation Arrangement
488991	Packing and Crating
488999	All Other Support Activities for Transportation
484121	General Freight Trucking, Long-Distance, Truckload
484230	Specialized Freight (except Used Goods) Trucking, Long-Distance
485210	Interurban and Rural Bus Transportation
485510	Charter Bus Industry

**Cluster Name:**

**Upstream Chemical Products**

4.92

**Cluster Code:**

**46**

**Description:**

This cluster consists of firms that manufacture basic organic and inorganic chemicals and gases. The chemicals are usually separate elements that could be used as inputs for more complex downstream chemical products.

<i>Number of Industries</i>	12
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<b>NAICS</b>	<b>NAICS Name</b>
325110	Petrochemical Manufacturing
325191	Gum and Wood Chemical Manufacturing
325192	Cyclic Crude and Intermediate Manufacturing
325193	Ethyl Alcohol Manufacturing
325199	All Other Basic Organic Chemical Manufacturing
325212	Synthetic Rubber Manufacturing
325181	Alkalies and Chlorine Manufacturing
325182	Carbon Black Manufacturing
325188	All Other Basic Inorganic Chemical Manufacturing
325120	Industrial Gas Manufacturing
325312	Phosphatic Fertilizer Manufacturing
325320	Pesticide and Other Agricultural Chemical Manufacturing

**Cluster Name:**

**Upstream Metal Manufacturing**

0.43

**Cluster Code:**

**47**

**Description:**

The establishments in this cluster manufacture upstream metal products such as pipes, tubes, metal closures, wires, springs, and related products. The cluster includes iron and steel mills and foundries, as well as related metal processing techniques.

*Number of Industries* 26

NAICS	NAICS Name
331111	Iron and Steel Mills
331112	Electrometallurgical Ferroalloy Product Manufacturing
332111	Iron and Steel Forging
331221	Rolled Steel Shape Manufacturing
331311	Alumina Refining
331312	Primary Aluminum Production
331314	Secondary Smelting and Alloying of Aluminum
331315	Aluminum Sheet, Plate, and Foil Manufacturing
331316	Aluminum Extruded Product Manufacturing
331319	Other Aluminum Rolling and Drawing
331411	Primary Smelting & Refining of Copper
331419	Other Nonferrous Metal Prim Smelting/Refining
331421	Copper Rolling, Drawing, and Extruding
331422	Copper Wire (except Mechanical) Drawing
331423	Secondary Smelting, Refining, and Alloying of Copper
331491	Nonferrous Metal (except Copper and Aluminum) Rolling, Drawing, and Extruding
331492	Secondary Smelting, Refining, and Alloying of Nonferrous Metal (except Copper and Aluminum)
332112	Nonferrous Forging
331210	Iron and Steel Pipe and Tube Manufacturing from Purchased Steel
332115	Crown and Closure Manufacturing
332116	Metal Stamping
332117	Powder Metallurgy Part Manufacturing
331222	Steel Wire Drawing
332611	Spring (Heavy Gauge) Manufacturing
332612	Spring (Light Gauge) Manufacturing
332618	Other Fabricated Wire Product Manufacturing

**Cluster Name:**

**Video Production and Distribution**

**Cluster Code:**

**48**

**Description:**

The establishments in this cluster are primarily involved with the production and distribution of motion pictures and other video. This includes specialized viewing venues such as drive-in theaters.

<i>Number of Industries</i>	6
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NAICS	NAICS Name
334612	Prerecorded Compact Disc (except Software), Tape, and Record Reproducing
512110	Motion Picture and Video Production
512120	Motion Picture and Video Distribution
512132	Drive-In Motion Picture Theaters
512191	Teleproduction and Other Postproduction Services
512199	Other Motion Picture and Video Industries

**Cluster Name:**

**Vulcanized and Fired Materials**

**Cluster Code:**

**49**

**Description:**

This cluster contains firms that manufacture construction and other materials out of earthen substances such as clay, sand, and rubber at extremely high temperatures. The production processes create goods made of tile, brick, ceramic, glass, and rubber (including refractories and tires).

<i>Number of Industries</i>	17
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NAICS	NAICS Name
327111	Vitreous China Plumbing Fixture and China and Earthenware Bathroom Accessories Manufacturing
327112	Vitreous China, Fine Earthenware, and Other Pottery Product Manufacturing
327113	Porcelain Electrical Supply Manufacturing
327121	Brick and Structural Clay Tile Manufacturing
327122	Ceramic Wall and Floor Tile Manufacturing
327123	Other Structural Clay Product Manufacturing
327124	Clay Refractory Manufacturing
327125	Nonclay Refractory Manufacturing
327992	Ground or Treated Mineral and Earth Manufacturing
327211	Flat Glass Manufacturing
327212	Other Pressed and Blown Glass and Glassware Manufacturing
327215	Glass Product Manufacturing Made of Purchased Glass
326211	Tire Manufacturing (except Retreading)
326212	Tire Retreading
326220	Rubber and Plastics Hoses and Belting Manufacturing
326291	Rubber Product Manufacturing for Mechanical Use
326299	All Other Rubber Product Manufacturing

**Cluster Name:**

**Water Transportation**

10.39

**Cluster Code:**

**50**

**Description:**

This cluster contains all establishments involved in transporting people and goods over water. The cluster includes boat building, transportation, operations, and other support services.

<i>Number of Industries</i>	12
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<b>NAICS</b>	<b>NAICS Name</b>
483112	Deep Sea Passenger Transportation
483114	Coastal and Great Lakes Passenger Transportation
483212	Inland Water Passenger Transportation
483111	Deep Sea Freight Transportation
483113	Coastal and Great Lakes Freight Transportation
483211	Inland Water Freight Transportation
488310	Port and Harbor Operations
488320	Marine Cargo Handling
488330	Navigational Services to Shipping
488390	Other Support Activities for Water Transportation
336611	Ship Building and Repairing
336612	Boat Building

**Cluster Name:**

**Wood Products**

0.15

**Cluster Code:**

**51**

**Description:**

The establishments in this cluster are primarily engaged in making upstream wood materials and manufacturing non-furniture wood products. Upstream establishments include sawmills, plywood and hardwood manufacturers, cut stock manufacturers, and wood preservation services. Downstream establishments produce windows, doors, flooring, wood containers, prefabricated wood buildings, and related products.

<i>Number of Industries</i>	13
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<b>NAICS</b>	<b>NAICS Name</b>
321113	Sawmills
321114	Wood Preservation
321912	Cut Stock, Resawing Lumber, and Planing
321211	Hardwood Veneer and Plywood Manufacturing
321212	Softwood Veneer & Plywood Manufacturing
321213	Engineered Wood Member (except Truss) Manufacturing
321214	Truss Manufacturing
321219	Reconstituted Wood Product Manufacturing
321911	Wood Window and Door Manufacturing
321918	Other Millwork (including Flooring)
321920	Wood Container and Pallet Manufacturing
321999	All Other Miscellaneous Wood Product Manufacturing
321992	Prefabricated Wood Building Manufacturing