

Appendix I: *Cluster Taxonomy*

Detailed Cluster Definitions

The following list provides the detailed six-digit NAICS definitions for each of the 17 clusters.

NAICS Code	ADVANCED MATERIALS
212325	Clay and ceramic and refractory minerals mining
316211	Rubber and plastics footwear manufacturing
322221	Coated and laminated packaging paper and plastics film manufacturing
322299	All other converted paper product manufacturing
324191	Petroleum lubricating oil and grease manufacturing
325110	Petrochemical manufacturing
325120	Industrial gas manufacturing
325131	Inorganic dye and pigment manufacturing
325132	Synthetic organic dye and pigment manufacturing
325181	Alkalies and chlorine manufacturing
325182	Carbon black manufacturing
325188	All other basic inorganic chemical manufacturing
325191	Gum and wood chemical manufacturing
325192	Cyclic crude and intermediate manufacturing
325193	Ethyl alcohol manufacturing
325199	All other basic organic chemical manufacturing
325211	Plastics material and resin manufacturing
325212	Synthetic rubber manufacturing
325221	Cellulosic organic fiber manufacturing
325222	Noncellulosic organic fiber manufacturing
325320	Pesticide and other ag. chemical manufacturing
325412	Pharmaceutical preparation manufacturing
325413	In-vitro diagnostic substance manufacturing
325414	Other biological product manufacturing
325510	Paint and coating manufacturing
325520	Adhesive manufacturing
325611	Soap and other detergent manufacturing
325612	Polish and other sanitation good manufacturing
325613	Surface active agent manufacturing
325620	Toilet preparation manufacturing

NAICS Code	ADVANCED MATERIALS
325910	Printing ink manufacturing
325920	Explosives manufacturing
325991	Custom compounding of purchased resins
325992	Photographic film and chemical manufacturing
325998	Other miscellaneous chemical product 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
326140	Polystyrene foam product manufacturing
326150	Urethane and other foam product (except polystyrene) manufacturing
326199	All other plastics product manufacturing
326291	Rubber product manufacturing for mechanical use
326299	All other rubber product manufacturing
327112	Vitreous china, fine earthenware, and other pottery product manufacturing
327113	Porcelain electrical supply manufacturing
327124	Clay refractory manufacturing
327125	Nonclay refractory manufacturing
327420	Gypsum product manufacturing
327910	Abrasive product manufacturing
327992	Ground or treated mineral and earth manufacturing
327993	Mineral wool manufacturing
331111	Iron and steel mills
331210	Iron and steel pipe and tube manufacturing from purchased steel
331221	Rolled steel shape manufacturing
331222	Steel wire drawing
331311	Alumina refining
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 and refining of copper
331419	Primary nonferrous metal, except CU and AL
331421	Copper rolling, drawing, and extruding
331422	Copper wire, except mechanical, drawing
331423	Secondary processing of copper
331491	Nonferrous metal, except CU and AL, shaping
331492	Secondary processing of other nonferrous
331511	Iron foundries
331512	Steel investment foundries
331513	Steel foundries, except investment

NAICS Code	ADVANCED MATERIALS
331521	Aluminum die-casting foundries
331522	Nonferrous, except AL, die-casting foundries
331524	Aluminum foundries, except die-casting
331525	Copper foundries, except die-casting
331528	Other nonferrous foundries, exc. die-casting
332111	Iron and steel forging
332116	Metal stamping
332117	Powder metallurgy part manufacturing
332313	Plate work manufacturing
332322	Sheet metal work manufacturing
332618	Other fabricated wire product manufacturing
332710	Machine shops
332812	Metal coating, engraving (except jewelry and silverware), and allied services to manufacturers
332813	Electroplating, plating, polishing, anodizing, and coloring
332911	Industrial valve manufacturing
332991	Ball and roller bearing manufacturing
332995	Other ordnance and accessories manufacturing
332997	Industrial pattern manufacturing
332999	All other miscellaneous fabricated metal product manufacturing
333298	All other industrial machinery manufacturing
333313	Office machinery manufacturing
333319	Other commercial and service industry machinery manufacturing
333511	Industrial mold manufacturing
333513	Machine tool (metal forming types) manufacturing
333514	Special die and tool, die set, jig, and fixture manufacturing
333515	Cutting tool and machine tool accessory manufacturing
333518	Other metalworking machinery manufacturing
333912	Air and gas compressor manufacturing
334119	Other computer peripheral equipment manufacturing
334220	Radio and television broadcasting and wireless communications equipment manufacturing
334290	Other communications equipment manufacturing
334411	Electron tube manufacturing
334412	Bare printed circuit board manufacturing
334413	Semiconductors and related device manufacturing
334414	Electronic capacitor manufacturing
334415	Electronic resistor manufacturing
334416	Electronic coils, transformers, and inductors
334417	Electronic connector manufacturing
334418	Printed circuit assembly manufacturing
334419	Other electronic component manufacturing

NAICS Code	ADVANCED MATERIALS
334510	Electromedical and electrotherapeutic apparatus manufacturing
334511	Search, detection, navigation, guidance, aeronautical, and nautical system and instrument 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
334517	Irradiation apparatus manufacturing
334519	Other measuring and controlling device manufacturing
335110	Electric lamp bulb and part manufacturing
335314	Relay and industrial control manufacturing
335921	Fiber optic cable manufacturing
335931	Current-carrying wiring device manufacturing
336322	Other motor vehicle electrical and electronic equipment manufacturing
336399	All other motor vehicle parts manufacturing
336419	Other guided missile and space vehicle parts and auxiliary equipment manufacturing
339111	Laboratory apparatus and furniture manufacturing
339112	Surgical and medical instrument manufacturing
339113	Surgical appliance and supplies manufacturing
339991	Gasket, packing, and sealing device manufacturing
541380	Testing laboratories
541710	Research and development in the physical, engineering, and life sciences
541720	Research and development in the social sciences and humanities

NAICS Code	AGRIBUSINESS, FOOD PROCESSING AND TECHNOLOGY
111110	Soybean farming
111120	Oilseed, except soybean, farming
111130	Dry pea and bean farming
111140	Wheat farming
111150	Corn farming
111160	Rice farming
111191	Oilseed and grain combination farming
111199	All other grain farming
111211	Potato farming
111219	Other vegetable and melon farming
111310	Orange groves
111320	Citrus, except orange, groves
111331	Apple orchards
111332	Grape vineyards
111333	Strawberry farming

NAICS Code	AGRIBUSINESS, FOOD PROCESSING AND TECHNOLOGY
111334	Berry, except strawberry, farming
111335	Tree nut farming
111336	Fruit and tree nut combination farming
111339	Other noncitrus fruit farming
111411	Mushroom production
111419	Other food crops grown under cover
111421	Nursery and tree production
111422	Floriculture production
111910	Tobacco farming
111920	Cotton farming
111930	Sugarcane farming
111940	Hay farming
111991	Sugar beet farming
111992	Peanut farming
111998	All other miscellaneous crop farming
112111	Beef cattle ranching and farming
112112	Cattle feedlots
112120	Dairy cattle and milk production
112210	Hog and pig farming
112310	Chicken egg production
112320	Broilers and meat type chicken production
112330	Turkey production
112340	Poultry hatcheries
112390	Other poultry production
112410	Sheep farming
112420	Goat farming
112511	Finfish farming and fish hatcheries
112512	Shellfish farming
112519	Other animal aquaculture
112910	Apiculture
112920	Horses and other equine production
112930	Fur-bearing animal and rabbit production
112990	All other animal production
115111	Cotton ginning
115112	Soil preparation, planting, and cultivating
115113	Crop harvesting, primarily by machine
115114	Other postharvest crop activities
115115	Farm labor contractors and crew leaders
115116	Farm management services
311111	Dog and cat food manufacturing

NAICS Code	AGRIBUSINESS, FOOD PROCESSING AND TECHNOLOGY
311119	Other animal food manufacturing
311211	Flour milling
311212	Rice milling
311213	Malt manufacturing
311221	Wet corn milling
311222	Soybean processing
311223	Other oilseed processing
311225	Fats and oils refining and blending
311230	Breakfast cereal manufacturing
311311	Sugarcane mills
311312	Cane sugar refining
311313	Beet sugar manufacturing
311320	Confectionery manufacturing from cacao beans
311330	Confectionery manufacturing from purchased chocolate
311340	Nonchocolate confectionery manufacturing
311411	Frozen fruit and vegetable manufacturing
311412	Frozen specialty food manufacturing
311421	Fruit and vegetable canning
311422	Specialty canning
311423	Dried and dehydrated food manufacturing
311511	Fluid milk manufacturing
311512	Creamery butter manufacturing
311513	Cheese manufacturing
311514	Dry, condensed, and evaporated dairy products
311520	Ice cream and frozen dessert manufacturing
311611	Animal, except poultry, slaughtering
311612	Meat processed from carcasses
311613	Rendering and meat byproduct processing
311615	Poultry processing
311811	Retail bakeries
311812	Commercial bakeries
311813	Frozen cakes and other pastries manufacturing
311821	Cookie and cracker manufacturing
311822	Mixes and dough made from purchased flour
311823	Dry pasta manufacturing
311830	Tortilla manufacturing
311911	Roasted nuts and peanut butter manufacturing
311919	Other snack food manufacturing
311920	Coffee and tea manufacturing
311930	Flavoring syrup and concentrate manufacturing

NAICS Code	AGRIBUSINESS, FOOD PROCESSING AND TECHNOLOGY
311941	Mayonnaise, dressing, and sauce manufacturing
311942	Spice and extract manufacturing
311991	Perishable prepared food manufacturing
311999	All other miscellaneous food manufacturing
312111	Soft drink manufacturing
312112	Bottled water manufacturing
312113	Ice manufacturing
312120	Breweries
312130	Wineries
312140	Distilleries
312210	Tobacco stemming and redrying
312221	Cigarette manufacturing
312229	Other tobacco product manufacturing
325311	Nitrogenous fertilizer manufacturing
325312	Phosphatic fertilizer manufacturing
325314	Fertilizer, mixing only, manufacturing
325320	Pesticide and other ag. chemical manufacturing
333111	Farm machinery and equipment manufacturing
333112	Lawn and garden equipment manufacturing
333294	Food product machinery manufacturing
423820	Farm and garden machinery and equipment merchant wholesalers
424510	Grain and field bean whsle
424520	Livestock whsle
424590	Other farm product raw material merchant wholesalers
424910	Farm supplies merchant wholesalers

NAICS Code	APPAREL AND TEXTILES
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

NAICS Code	APPAREL AND TEXTILES
314110	Carpet and rug mills
314121	Curtain and drapery mills
314129	Other household textile product mills
314911	Textile bag mills
314912	Canvas and related product mills
314991	Rope, cordage, and twine mills
314992	Tire cord and tire fabric mills
314999	All other miscellaneous textile product mills
315111	Sheer hosiery mills
315119	Other hosiery and sock mills
315191	Outerwear knitting mills
315192	Underwear and nightwear knitting mills
315211	Men's and boys' cut and sew apparel contractors
315212	Women's, girls', and infants' cut and sew apparel contractors
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
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
323113	Commercial screen printing
327910	Abrasive product manufacturing
325131	Inorganic dye and pigment manufacturing
325132	Synthetic organic dye and pigment manufacturing
325221	Cellulosic organic fiber manufacturing
325222	Noncellulosic organic fiber manufacturing
337910	Mattress manufacturing
337121	Upholstered household furniture manufacturing

NAICS Code	APPAREL AND TEXTILES
339993	Fastener, button, needle, and pin manufacturing
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
541430	Graphic design services
541490	Other specialized design services
541840	Media representatives
541850	Display advertising
541860	Direct mail advertising
541870	Advertising material distribution services
541890	Other services related to advertising

NAICS Code	ARTS, ENTERTAINMENT, RECREATION AND VISITOR INDUSTRIES
339920	Sporting and athletic goods manufacturing
339931	Doll and stuffed toy manufacturing
339932	Game, toy, and children's vehicle manufacturing
423910	Sporting goods merchant wholesalers
487110	Scenic and sightseeing transportation, land
487210	Scenic and sightseeing transportation, water
487990	Scenic and sightseeing transportation, other
512110	Motion picture and video production
512120	Motion picture and video distribution
512131	Motion picture theaters, except drive-ins
512132	Drive-in motion picture theaters
512191	Teleproduction and postproduction services
512199	Other motion picture and video industries
512210	Record production
512220	Integrated record production and distribution
512230	Music publishers
512240	Sound recording studios
512290	Other sound recording industries
515111	Radio networks
515112	Radio stations
515120	Television broadcasting
515210	Cable and other subscription programming
561510	Travel agencies
561520	Tour operators
561591	Convention and visitors bureaus
561599	All other travel arrangement and reservation services

NAICS Code	ARTS, ENTERTAINMENT, RECREATION AND VISITOR INDUSTRIES
711110	Theater companies and dinner theaters
711120	Dance companies
711130	Musical groups and artists
711190	Other performing arts companies
711211	Sports teams and clubs
711212	Racetracks
711219	Other spectator sports
711310	Promoters with facilities
711320	Promoters without facilities
711410	Agents and managers for public figures
711510	Independent artists, writers, and performers
712110	Museums
712120	Historical sites
712130	Zoos and botanical gardens
712190	Nature parks and other similar institutions
713110	Amusement and theme parks
713120	Amusement arcades
713210	Casinos, except casino hotels
713290	Other gambling industries
713910	Golf courses and country clubs
713920	Skiing facilities
713930	Marinas
713940	Fitness and recreational sports centers
713950	Bowling centers
713990	All other amusement and recreation industries
721110	Hotels and motels, except casino hotels
721120	Casino hotels
721191	Bed-and-breakfast inns
721199	All other traveler accommodation
721211	RV parks and campgrounds
721214	Recreational and vacation camps

NAICS Code	BIOMEDICAL/BIOTECHNICAL (LIFE SCIENCES)
325411	Medicinal and botanical manufacturing
325412	Pharmaceutical preparation manufacturing
325413	In-vitro diagnostic substance manufacturing
325414	Other biological product manufacturing
333314	Optical instrument and lens manufacturing
334510	Electromedical apparatus manufacturing

NAICS Code	BIOMEDICAL/BIOTECHNICAL (LIFE SCIENCES)
334516	Analytical laboratory instrument manufacturing
334517	Irradiation apparatus manufacturing
339111	Laboratory apparatus and furniture manufacturing
339112	Surgical and medical instrument manufacturing
339113	Surgical appliance and supplies manufacturing
339114	Dental equipment and supplies manufacturing
339115	Ophthalmic goods manufacturing
339116	Dental laboratories
423450	Medical equipment merchant wholesalers
423460	Ophthalmic goods merchant wholesalers
446110	Pharmacies and drug stores
446120	Cosmetic and beauty supply stores
446130	Optical goods stores
446191	Food, health, supplement stores
446199	All other health and personal care stores
541710	R&D in physical, engineering and life sciences
541720	R&D in social sciences and humanities
562211	Hazardous waste treatment and disposal
621410	Family planning centers
621420	Outpatient mental health centers
621491	HMO medical centers
621492	Kidney dialysis centers
621493	Freestanding emergency medical centers
621498	All other outpatient care centers
621511	Medical laboratories
621512	Diagnostic imaging centers
621610	Home health care services
621910	Ambulance services
621991	Blood and organ banks
621999	Miscellaneous ambulatory health care services
622110	General medical and surgical hospitals
622210	Psychiatric and substance abuse hospitals
622310	Other hospitals
623110	Nursing care facilities
623210	Residential mental retardation facilities
623220	Residential mental and substance abuse care
623311	Continuing care retirement communities
623312	Homes for the elderly
623990	Other residential care facilities

NAICS Code	BUSINESS AND FINANCIAL SERVICES
323115	Digital printing
323116	Manifold business forms printing
518111	Internet service providers
518112	Web search portals
518210	Data processing and related services
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
522310	Mortgage and nonmortgage loan brokers
522320	Financial transaction processing and clearing
522390	Other credit intermediation activities
523110	Investment banking and securities dealing
523120	Securities brokerage
523130	Commodity contracts dealing
523140	Commodity contracts brokerage
523210	Securities and commodity exchanges
523910	Miscellaneous intermediation
523920	Portfolio management
523930	Investment advice
523991	Trust, fiduciary, and custody activities
523999	Miscellaneous financial investment activities
524113	Direct life insurance carriers
524114	Direct health and medical insurance carriers
524126	Direct property and casualty insurers
524127	Direct title insurance carriers
524128	Other direct insurance carriers
524130	Reinsurance carriers
524210	Insurance agencies and brokerages
524291	Claims adjusting
524292	Third party administration of insurance funds
524298	All other insurance related activities
525110	Pension funds
525120	Health and welfare funds
525190	Other insurance funds
525910	Open-end investment funds

NAICS Code	BUSINESS AND FINANCIAL SERVICES
525920	Trusts, estates, and agency accounts
525930	Real estate investment trusts
525990	Other financial vehicles
531311	Residential property managers
531312	Nonresidential property managers
531390	Other activities related to real estate
533110	Lessors of other nonfinancial intangible asset
541110	Offices of lawyers
541120	Offices of notaries
541191	Title abstract and settlement offices
541199	All other legal services
541211	Offices of certified public accountants
541213	Tax preparation services
541214	Payroll services
541219	Other accounting services
541310	Architectural services
541320	Landscape architectural services
541330	Engineering services
541340	Drafting services
541350	Building inspection services
541360	Geophysical surveying and mapping services
541370	Other surveying and mapping services
541380	Testing laboratories
541410	Interior design services
541420	Industrial design services
541430	Graphic design services
541490	Other specialized design services
541511	Custom computer programming services
541512	Computer systems design services
541513	Computer facilities management services
541519	Other computer related services
541611	Administrative management consulting services
541612	Human resource consulting services
541613	Marketing consulting services
541614	Process and logistics consulting services
541618	Other management consulting services
541620	Environmental consulting services
541690	Other technical consulting services
541810	Advertising agencies
541820	Public relations agencies

NAICS Code BUSINESS AND FINANCIAL SERVICES

541830	Media buying agencies
541840	Media representatives
541850	Display advertising
541860	Direct mail advertising
541870	Advertising material distribution services
541910	Marketing research and public opinion polling
541922	Commercial photography

NAICS Code CHEMICALS AND CHEMICAL-BASED PRODUCTS

325110	Industrial gas manufacturing
325120	Inorganic dye and pigment manufacturing
325131	Synthetic organic dye and pigment manufacturing
325132	Alkalies and chlorine manufacturing
325181	Carbon black manufacturing
325182	Carbon black manufacturing
325188	All other basic inorganic chemical manufacturing
325191	Gum and wood chemical manufacturing
325192	Cyclic crude and intermediate manufacturing
325193	Ethyl alcohol manufacturing
325199	All other basic organic chemical manufacturing
325211	Plastics material and resin manufacturing
325212	Synthetic rubber manufacturing
325221	Cellulosic organic fiber manufacturing
325222	Noncellulosic organic fiber manufacturing
325311	Nitrogenous fertilizer manufacturing
325312	Phosphatic fertilizer manufacturing
325314	Fertilizer, mixing only, manufacturing
325320	Pesticide and other ag. chemical manufacturing
325411	Medicinal and botanical manufacturing
325412	Pharmaceutical preparation manufacturing
325413	In-vitro diagnostic substance manufacturing
325414	Other biological product manufacturing
325510	Paint and coating manufacturing
325520	Adhesive manufacturing
325611	Soap and other detergent manufacturing
325612	Polish and other sanitation good manufacturing
325613	Surface active agent manufacturing
325620	Toilet preparation manufacturing
325910	Printing ink manufacturing

NAICS Code	CHEMICALS AND CHEMICAL-BASED PRODUCTS
325920	Explosives manufacturing
325991	Custom compounding of purchased resins
325992	Photographic film and chemical manufacturing
325998	Other miscellaneous chemical product manufacturing
326111	Plastics bag manufacturing
326112	Plastics packaging film and sheet manufacturing
326113	Nonpackaging plastics film and sheet manufacturing
326121	Unlaminated plastics profile shape manufacturing
326122	Plastics pipe and pipe fitting manufacturing
326130	Laminated plastics plate, sheet, and shapes
326140	Polystyrene foam product manufacturing
326150	Urethane and other foam product manufacturing
326160	Plastics bottle manufacturing
326191	Plastics plumbing fixture manufacturing
326192	Resilient floor covering manufacturing
326199	All other plastics product manufacturing
326211	Tire manufacturing, except retreading
326212	Tire retreading
326220	Rubber and plastics hose and belting manufacturing
326291	Rubber product manufacturing for mechanical use
326299	All other rubber product manufacturing
327111	Vitreous china plumbing fixture manufacturing
327112	Vitreous china and earthenware articles 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
327211	Flat glass manufacturing
327212	Other pressed and blown glass and glassware
327213	Glass container manufacturing
327215	Glass product manufacturing made of purchased glass
327310	Cement manufacturing
327320	Ready-mix concrete manufacturing
327331	Concrete block and brick manufacturing
327332	Concrete pipe manufacturing
327390	Other concrete product manufacturing
327410	Lime manufacturing
327420	Gypsum product manufacturing

NAICS Code	CHEMICALS AND CHEMICAL-BASED PRODUCTS
327910	Abrasive product manufacturing
327991	Cut stone and stone product manufacturing
327992	Ground or treated minerals and earths manufacturing
327993	Mineral wool manufacturing
327999	Miscellaneous nonmetallic mineral products
424610	Plastics materials merchant wholesalers
424690	Other chemicals merchant wholesalers
424710	Petroleum bulk stations and terminals
424720	Other petroleum merchant wholesalers

NAICS Code	DEFENSE AND SECURITY
212291	Uranium-radium-vanadium ore mining
237130	Power and communication line and related structures construction
325920	Explosives manufacturing
332912	Fluid power valve and hose fitting manufacturing
332992	Small arms ammunition manufacturing
332993	Ammunition (except small arms) manufacturing
332994	Small arms manufacturing
332995	Other ordnance and accessories manufacturing
339113	Surgical appliance and supplies manufacturing
334290	Other communications equipment manufacturing
334511	Search, detection, navigation, guidance, aeronautical, and nautical system and instrument manufacturing
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
336611	Ship building and repairing
336612	Boat building
336992	Military armored vehicle, tank, and tank component manufacturing
423110	Automobile and other motor vehicle merchant wholesalers
423120	Motor vehicle supplies and new parts merchant wholesalers
423130	Tire and tube merchant wholesalers
423140	Motor vehicle parts (used) merchant wholesalers
423860	Transportation equipment and supplies (except motor vehicle) merchant wholesalers
541511	Custom computer programming services
541512	Computer systems design services
541513	Computer facilities management services

NAICS Code	DEFENSE AND SECURITY
541519	Other computer related services
541710	Research and development in the physical, engineering, and life sciences
561611	Investigation services
561612	Security guards and patrol services
561613	Armored car services
561621	Security systems services (except locksmiths)
561622	Locksmiths
811490	Other personal and household goods repair and maintenance (includes gun repair and maintenance)
922110	Courts
922120	Police protection
922130	Legal counsel and prosecution
922140	Correctional institutions
922150	Parole offices and probation offices
922160	Fire protection
922190	Other justice, public order, and safety activities
926120	Regulation and administration of transportation programs (includes coastguard and merchant marine)
927110	Space research and technology
928110	National security
928120	International affairs

NAICS Code	EDUCATION AND KNOWLEDGE CREATION
611210	Junior colleges
611310	Colleges, universities and professional schools
611410	Business and secretarial schools
611420	Computer training
611430	Management training
611511	Cosmetology and barber schools
611512	Flight training
611513	Apprenticeship training
611519	Other technical and trade schools
611610	Fine arts schools
611620	Sports and recreation instruction
611630	Language schools
611691	Exam preparation and tutoring
611692	Automobile driving schools
611699	Miscellaneous schools and instruction
611710	Educational support services
511110	Newspaper publishers
511120	Periodical publishers

NAICS Code	EDUCATION AND KNOWLEDGE CREATION
511130	Book publishers
516110	Internet publishing and broadcasting
519110	News syndicates
519120	Libraries and archives

NAICS Code	ENERGY (FOSSIL AND RENEWABLE)
211111	Crude petroleum and natural gas extraction
211112	Natural gas liquid extraction
212111	Bituminous coal and lignite surface mining
212112	Bituminous coal underground mining
212113	Anthracite mining
212291	Uranium-Radium-Vanadium ore mining
213111	Drilling oil and gas wells
213112	Support activities for oil and gas operations
213113	Support activities for coal mining
213114	Support activities for metal mining
221111	Hydroelectric power generation
221112	Fossil fuel electric power generation
221113	Nuclear electric power generation
221119	Other electric power generation
221121	Electric bulk power transmission and control
221122	Electric power distribution
221210	Natural gas distribution
221330	Steam and air-conditioning supply
237110	Water and sewer line and related structures construction (includes geothermal drilling)
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 (includes dams and hydroelectric facilities)
238210	Electrical contractors
238220	Plumbing, heating, and air-conditioning contractors
324110	Petroleum refineries
324199	All other petroleum and coal products manufacturing
325110	Petrochemical manufacturing
325120	Industrial gas manufacturing
325191	Gum and wood chemical manufacturing (include coke and charcoal)
325193	Ethyl alcohol manufacturing (includes ethanol manuf.)
332410	Power boiler and heat exchanger manufacturing
332420	Metal tank (heavy gauge) manufacturing
333131	Mining machinery and equipment manufacturing
333132	Oil and gas field machinery and equipment manufacturing

NAICS Code	ENERGY (FOSSIL AND RENEWABLE)
333414	Heating equipment (except warm air furnaces) manufacturing (includes solar and hydronic heating equipment manufacturing)
333611	Turbine and turbine generator set units manufacturing
334413	Semiconductor and related device manufacturing
334519	Other measuring and controlling device 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
335911	Storage battery manufacturing
335912	Primary battery manufacturing
335929	Other communication and energy wire manufacturing
335931	Current-carrying wiring device manufacturing
335991	Carbon and graphite product manufacturing
335999	All other miscellaneous electrical equipment and component manufacturing
423520	Coal and other mineral and ore merchant wholesalers
423610	Electrical apparatus and equipment, wiring supplies, and related equipment merchant wholesalers
423690	Other electronic parts and equipment merchant wholesalers
423720	Plumbing and heating equipment and supplies (hydronics) merchant wholesalers
424710	Petroleum bulk stations and terminals
424720	Petroleum and petroleum products merchant wholesalers (except bulk stations and terminals)
447110	Gasoline stations with convenience stores
447190	Other gasoline stations
454311	Heating oil dealers
454312	Liquefied petroleum gas (bottled gas) dealers
454319	Other fuel dealers
486110	Pipeline transportation of crude oil
486210	Pipeline transportation of natural gas
486910	Pipeline transportation of refined petroleum products
486990	All other pipeline transportation
523910	Miscellaneous intermediation (includes mineral and oil royalties dealing)
523999	Miscellaneous financial investment activities (includes oil and gas lease brokers)
532412	Construction, mining, and forestry machinery and equipment rental and leasing
533110	Lessors of nonfinancial intangible assets (except copyrighted works) (includes oil royalty companies and leasing)
541330	Engineering services
541360	Geophysical surveying and mapping services
541380	Testing laboratories
541620	Environmental consulting services
541690	Other scientific and technical consulting services
541710	Research and development in the physical, engineering, and life sciences

NAICS Code ENERGY (FOSSIL AND RENEWABLE)

926130 Regulation and administration of communications, electric, gas, and other utilities

NAICS Code FOREST AND WOOD PRODUCTS

113110 Timber tract operations

113210 Forest nurseries and gathering forest products

113310 Logging

115310 Forestry support activities

238130 Framing contractors

238610 Shake and shingle, roof, installation

238170 Wood siding, installation

238330 Hardwood flooring

238350 Finish carpentry contractors

321113 Sawmills

321114 Wood preservation

321211 Hardwood veneer and plywood manufacturing

321212 Softwood veneer and plywood manufacturing

321213 Engineered wood member manufacturing

321214 Truss manufacturing

321219 Reconstituted wood product manufacturing

321911 Wood window and door manufacturing

321912 Cut stock, resawing lumber, and planing

321918 Other millwork, including flooring

321920 Wood container and pallet manufacturing

321991 Manufactured home (mobile home) manufacturing

321992 Prefabricated wood building manufacturing

321999 All other miscellaneous wood product manufacturing

322110 Pulp mills

322121 Paper, except newsprint, mills

322122 Newsprint mills

322130 Paperboard mills

322231 Die-cut paper and paperboard office supplies manufacturing

322211 Corrugated and solid fiber box manufacturing

322212 Folding paperboard box manufacturing

322213 Setup paperboard box manufacturing

322214 Fiber can, tube, and drum manufacturing

322215 Nonfolding sanitary food container manufacturing

322221 Coated and laminated packaging materials manufacturing

322222 Coated and laminated paper manufacturing

322223 Plastics, foil, and coated paper bag manufacturing

322224 Uncoated paper and multiwall bag manufacturing

NAICS Code	FOREST AND WOOD PRODUCTS
322225	Flexible packaging foil manufacturing
322226	Surface-coated paperboard manufacturing
322231	Die-cut paper office supplies manufacturing
322232	Envelope manufacturing
322233	Stationery and related product manufacturing
322291	Sanitary paper product manufacturing
322299	All other converted paper product manufacturing
323117	Books printing
325510	Paint and coating manufacturing
325191	Gum and wood chemical manufacturing
325520	Adhesive manufacturing
327910	Abrasive products manufacturing
332213	Wood cutting saw blades manufacturing
333210	Sawmill and woodworking machinery manufacturing
333291	Paper industry machinery manufacturing
333991	Power-driven handtool manufacturing
337110	Wood kitchen cabinet and countertop manufacturing
337121	Upholstered household furniture manufacturing
337122	Nonupholstered wood household furniture manufacturing
337127	Institutional furniture manufacturing
337129	Wood TV, radio, sewing machine cabinet manufacturing
337211	Wood office furniture manufacturing
337212	Custom architectural woodwork and millwork manufacturing
337215	Showcase, partition, shelving and locker manufacturing
337920	Blind and shade manufacturing
339992	Musical Instrument manufacturing
339995	Burial Casket manufacturing
423210	Furniture merchant wholesalers
423310	Lumber, Plywood, Millwork, and Wood Panel Merchant Wholesalers

NAICS Code	GLASS AND CERAMICS
327111	Vitreous china plumbing fixture manufacturing
327112	Vitreous china and earthenware articles 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

NAICS Code	GLASS AND CERAMICS
327211	Flat glass manufacturing
327212	Other pressed and blown glass and glassware
327213	Glass container manufacturing
327215	Glass product manufacturing made of purchased glass
327310	Cement manufacturing
327992	Ground or treated minerals and earths manufacturing
327999	Miscellaneous nonmetallic mineral products
332812	Metal coating, engraving (except jewelry and silverware), and allied services to manufacturers
332813	Electroplating, plating, polishing, anodizing, and coloring

NAICS Code	INFORMATION TECHNOLOGY AND TELECOMMUNICATIONS
238210	Electrical contractors
333613	Mechanical power transmission equipment manufacturing
333295	Semiconductor machinery manufacturing
334111	Electronic computer manufacturing
334112	Computer storage device manufacturing
334113	Computer terminal manufacturing
334119	Other computer peripheral equipment manufacturing
334210	Telephone apparatus manufacturing
334220	Broadcast and wireless communications equip.
334290	Other communications equipment manufacturing
334310	Audio and video equipment manufacturing
334411	Electron tube manufacturing
334412	Bare printed circuit board manufacturing
334413	Semiconductors and related device manufacturing
334414	Electronic capacitor manufacturing
334415	Electronic resistor manufacturing
334416	Electronic coils, transformers, and inductors
334417	Electronic connector manufacturing
334418	Printed circuit assembly manufacturing
334419	Other electronic component manufacturing
334512	Automatic environmental control manufacturing
334513	Industrial process variable instruments
334515	Electricity and signal testing instruments
334516	Analytical laboratory instrument manufacturing
334518	Watch, clock, and part manufacturing
334611	Software reproducing
334612	Audio and video media reproduction
334613	Magnetic and optical recording media manufacturing

NAICS Code	INFORMATION TECHNOLOGY AND TELECOMMUNICATIONS
335311	Electric power and specialty transformer manufacturing
335312	Motor and generator manufacturing
335313	Switchgear and switchboard apparatus manufacturing
335314	Relay and industrial control manufacturing
335911	Storage battery manufacturing
335912	Primary battery 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	Miscellaneous electrical equipment manufacturing
423430	Computer and peripheral equip and software whsle
423690	Other electronic parts and equipment whsle
511210	Software publishers
517110	Wired telecommunications carriers
517211	Paging
517212	Cellular and other wireless carriers
517310	Telecommunications resellers
517410	Satellite telecommunications
517910	Other telecommunications
518111	Internet service providers (ISPs)
518112	Web search portals
518210	Data processing and related services
541511	Custom computer programming services
541512	Computer systems design services
541513	Computer facilities management services
541519	Other computer related services
541618	Other management consulting services
541710	Physical, engineering and biological research
541720	Social science and humanities research
926130	Regulation and administration of communications, electric, gas, and other utilities

NAICS Code	MANUFACTURING SUPERCLUSTER
331	Primary metal manufacturing subcluster
331111	Iron and steel mills
331112	Ferroalloy and related product manufacturing
331210	Iron, steel pipe and tube from purchase steel
331221	Rolled steel shape manufacturing
331222	Steel wire drawing
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 and refining of copper
331419	Primary nonferrous metal, except CU and AL
331422	Copper wire, except mechanical, drawing
331423	Secondary processing of copper
331491	Nonferrous metal, except CU and AL, shaping
331492	Secondary processing of other nonferrous
331511	Iron foundries
331512	Steel investment foundries
331513	Steel foundries, except investment
331521	Aluminum die-casting foundries
331522	Nonferrous, except AL, die-casting foundries
331524	Aluminum foundries, except die-casting
331525	Copper foundries, except die-casting
331528	Other nonferrous foundries, exc. die-casting
332	Fabricated metal product manufacturing subcluster
332111	Iron and steel forging
332112	Nonferrous forging
332114	Custom roll forming
332115	Crown and closure manufacturing
332116	Metal stamping
332117	Powder metallurgy part manufacturing
332211	Cutlery and flatware, except precious, manufacturing
332212	Hand and edge tool manufacturing
332213	Saw blade and handsaw manufacturing
332214	Kitchen utensil, pot, and pan manufacturing
332311	Prefabricated metal buildings and components
332312	Fabricated structural metal manufacturing

NAICS Code	MANUFACTURING SUPERCLUSTER
332313	Plate work manufacturing
332321	Metal window and door manufacturing
332322	Sheet metal work manufacturing
332323	Ornamental and architectural metal work manufacturing
332410	Power boiler and heat exchanger manufacturing
332420	Metal tank, heavy gauge, manufacturing
332431	Metal can manufacturing
332439	Other metal container manufacturing
332510	Hardware manufacturing
332611	Spring, heavy gauge, manufacturing
332612	Spring, light gauge, manufacturing
332618	Other fabricated wire product manufacturing
332710	Machine shops
332721	Precision turned product manufacturing
332722	Bolt, nut, screw, rivet, and washer manufacturing
332811	Metal heat treating
332812	Metal coating and nonprecious engraving
332813	Electroplating, anodizing, and coloring metal
332911	Industrial valve manufacturing
332912	Fluid power valve and hose fitting manufacturing
332913	Plumbing fixture fitting and trim manufacturing
332919	Other metal valve and pipe fitting manufacturing
332991	Ball and roller bearing manufacturing
332996	Fabricated pipe and pipe fitting manufacturing
332997	Industrial pattern manufacturing
332998	Enameled iron and metal sanitary ware manufacturing
332999	Miscellaneous fabricated metal product manufacturing
333	Machinery manufacturing subcluster
333111	Farm machinery and equipment manufacturing
333112	Lawn and garden equipment manufacturing
333120	Construction machinery manufacturing
333131	Mining machinery and equipment manufacturing
333132	Oil and gas field machinery and equipment
333210	Sawmill and woodworking machinery
333220	Plastics and rubber industry machinery
333291	Paper industry machinery manufacturing
333292	Textile machinery manufacturing
333293	Printing machinery and equipment manufacturing
333294	Food product machinery manufacturing
333295	Semiconductor machinery manufacturing

NAICS Code	MANUFACTURING SUPERCLUSTER
333298	All other industrial machinery manufacturing
333311	Automatic vending machine manufacturing
333312	Commercial laundry and drycleaning machinery
333313	Office machinery manufacturing
333314	Optical instrument and lens manufacturing
333315	Photographic and photocopying equipment manufacturing
333319	Other commercial and service machinery manufacturing
333411	Air purification equipment manufacturing
333412	Industrial and commercial fan and blower manufacturing
333414	Heating equipment, except warm air furnaces
333415	AC, refrigeration, and forced air heating
333511	Industrial mold manufacturing
333512	Metal cutting machine tool manufacturing
333513	Metal forming machine tool manufacturing
333514	Special tool, die, jig, and fixture manufacturing
333515	Cutting tool and machine tool accessory manufacturing
333516	Rolling mill machinery and equipment manufacturing
333518	Other metalworking machinery manufacturing
333611	Turbine and turbine generator set units manufacturing
333612	Speed changer, drive, and gear manufacturing
333613	Mechanical power transmission equipment manufacturing
333618	Other engine equipment manufacturing
333911	Pump and pumping equipment manufacturing
333912	Air and gas compressor manufacturing
333913	Measuring and dispensing pump manufacturing
333921	Elevator and moving stairway manufacturing
333922	Conveyor and conveying equipment manufacturing
333923	Overhead cranes, hoists, and monorail systems
333924	Industrial truck, trailer, and stacker manufacturing
333991	Power-driven handtool manufacturing
333992	Welding and soldering equipment manufacturing
333993	Packaging machinery 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
333999	Miscellaneous general purpose machinery manufacturing
334	Computer and electronic product manufacturing subcluster
334111	Electronic computer manufacturing
334112	Computer storage device manufacturing

NAICS Code	MANUFACTURING SUPERCLUSTER
334113	Computer terminal manufacturing
334119	Other computer peripheral equipment manufacturing
334210	Telephone apparatus manufacturing
334220	Broadcast and wireless communications equip.
334290	Other communications equipment manufacturing
334310	Audio and video equipment manufacturing
334411	Electron tube manufacturing
334412	Bare printed circuit board manufacturing
334413	Semiconductors and related device manufacturing
334414	Electronic capacitor manufacturing
334415	Electronic resistor manufacturing
334416	Electronic coils, transformers, and inductors
334417	Electronic connector manufacturing
334418	Printed circuit assembly manufacturing
334419	Other electronic component manufacturing
334510	Electromedical apparatus manufacturing
334511	Search, detection, and navigation instruments
334512	Automatic environmental control manufacturing
334513	Industrial process variable instruments
334514	Totalizing fluid meters and counting devices
334515	Electricity and signal testing instruments
334516	Analytical laboratory instrument manufacturing
334517	Irradiation apparatus manufacturing
334518	Watch, clock, and part manufacturing
334519	Other measuring and controlling device manufacturing
334611	Software reproducing
334612	Audio and video media reproduction
334613	Magnetic and optical recording media manufacturing
335	Electrical equip, appliance and component manufacturing subcluster
335110	Electric lamp bulb and part manufacturing
335121	Residential electric lighting fixture manufacturing
335122	Nonresidential electric lighting fixture manufacturing
335129	Other lighting equipment manufacturing
335211	Electric housewares and household fan 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
335311	Electric power and specialty transformer manufacturing

NAICS Code	MANUFACTURING SUPERCLUSTER
335312	Motor and generator manufacturing
335313	Switchgear and switchboard apparatus manufacturing
335314	Relay and industrial control manufacturing
335911	Storage battery manufacturing
335912	Primary battery 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	Miscellaneous electrical equipment manufacturing
336	Transportation equipment manufacturing subcluster
336111	Automobile manufacturing
336112	Light truck and utility vehicle manufacturing
336120	Heavy duty truck manufacturing
336211	Motor vehicle body manufacturing
336212	Truck trailer manufacturing
336213	Motor home manufacturing
336214	Travel trailer and camper manufacturing
336311	Carburetor, piston, ring, and valve manufacturing
336312	Gasoline engine and engine parts manufacturing
336321	Vehicular lighting equipment manufacturing
336322	Other motor vehicle electric equipment manufacturing
336330	Motor vehicle steering and suspension parts
336340	Motor vehicle brake system manufacturing
336350	Motor vehicle power train components manufacturing
336360	Motor vehicle seating and interior trim manufacturing
336370	Motor vehicle metal stamping
336391	Motor vehicle air-conditioning manufacturing
336399	All other motor vehicle parts manufacturing
336411	Aircraft manufacturing
336412	Aircraft engine and engine parts manufacturing
336413	Other aircraft parts and equipment
336414	Guided missile and space vehicle manufacturing
336415	Space vehicle propulsion units and parts manufacturing
336419	Other guided missile and space vehicle parts
336510	Railroad rolling stock manufacturing
336611	Ship building and repairing
336612	Boat building
336991	Motorcycle, bicycle, and parts manufacturing

NAICS Code MANUFACTURING SUPERCLUSTER

336992	Military armored vehicles and tank parts manufacturing
336999	All other transportation equipment manufacturing

NAICS Code MINING

212210	Iron ore mining
212221	Gold ore mining
212222	Silver ore mining
212231	Lead ore and zinc ore mining
212234	Copper ore and nickel ore mining
212291	Uranium-radium-vanadium ore mining
212299	All other metal ore mining
212311	Dimension stone mining and quarrying
212312	Crushed and broken limestone mining
212313	Crushed and broken granite mining
212319	Other crushed and broken stone mining
212321	Construction sand and gravel mining
212322	Industrial sand mining
212324	Kaolin and ball clay mining
212325	Clay, 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
213114	Support activities for metal mining
213115	Support activities for nonmetallic minerals
482111	Line-haul railroads
482112	Short line railroads
532412	Construction, mining, and forestry machinery and equipment rental and leasing

NAICS Code PRINTING AND PUBLISHING

323110	Commercial lithographic printing
323111	Commercial gravure printing
323112	Commercial flexographic printing
323113	Commercial screen printing
323114	Quick printing
323115	Digital printing
323116	Manifold business forms printing
323117	Books printing
323118	Blankbook, looseleaf binders, and devices manufacturing

NAICS Code	PRINTING AND PUBLISHING
323119	Other commercial printing
323121	Tradebinding and related work
323122	Prepress services
325910	Printing ink manufacturing
339950	Sign manufacturing
511110	Newspaper publishers
511120	Periodical publishers
511130	Book publishers
511140	Directory and mailing list publishers
511191	Greeting card publishers
511199	All other publishers
515111	Radio networks
515112	Radio stations
515210	Cable and other subscription programming
516110	Internet publishing and broadcasting
519110	News syndicates
519190	All other information services
541430	Graphic design services
541613	Marketing consulting services
541810	Advertising agencies
541820	Public relations agencies
541830	Media buying agencies
541840	Media representatives
541850	Display advertising
541860	Direct mail advertising
541870	Advertising material distribution services
541890	Other services related to advertising
541910	Marketing research and public opinion polling
541922	Commercial photography

NAICS Code	TRANSPORTATION AND LOGISTICS
481111	Scheduled passenger air transportation
481112	Scheduled freight air transportation
481211	Nonscheduled air passenger chartering
481212	Nonscheduled air freight chartering
481219	Other nonscheduled air transportation
482111	Line-haul railroads
482112	Short line railroads
483111	Deep sea freight transportation

NAICS Code	TRANSPORTATION AND LOGISTICS
483112	Deep sea passenger transportation
483113	Coastal and Great Lakes freight transportation
483114	Coastal and Great Lakes passenger transportation
483211	Inland water freight transportation
483212	Inland water passenger transportation
484110	General freight trucking, local
484121	General freight trucking, long-distance TL
484122	General freight trucking, long-distance LTL
484210	Used household and office goods moving
484220	Other specialized trucking, local
484230	Other specialized trucking, long-distance
485112	Commuter rail systems
485510	Charter bus industry
485999	All other ground passenger transportation
486110	Pipeline transportation of crude oil
486210	Pipeline transportation of natural gas
486910	Refined petroleum product pipeline transportation
486990	All other pipeline transportation
488111	Air traffic control
488119	Other airport operations
488190	Other support activities for air transportation
488210	Support activities for rail transportation
488310	Port and harbor operations
488320	Marine cargo handling
488330	Navigational services to shipping
488390	Other support activities for water transportation
488410	Motor vehicle towing
488490	Other support activities for road transportation
488510	Freight transportation arrangement
488991	Packing and crating
488999	All other support activities for transportation
492110	Couriers
492210	Local messengers and local delivery
493110	General warehousing and storage
493120	Refrigerated warehousing and storage
493130	Farm product warehousing and storage
493190	Other warehousing and storage
532411	Commercial air, rail, and water transportation equipment rental and leasing
541614	Process, phys dist and log consulting services
561910	Packaging and labeling services

Aggregated Cluster Definitions

To minimize the problems caused by data suppression in the nationwide county analysis, the research team revised the six-digit cluster definitions to use three-digit NAICS sectors wherever possible, minimizing reliance upon more-detailed NAICS levels as much as possible. The following list provides these definitions for each of the 17 clusters.

NAICS Code	ADVANCED MATERIALS
212325	Clay and ceramic and refractory minerals mining
316211	Rubber and plastics footwear manufacturing
322221	Coated and laminated packaging paper and plastics film manufacturing
322299	All other converted paper product manufacturing
324191	Petroleum lubricating oil and grease manufacturing
3251	Basic chemical manufacturing
3252	Resin, synthetic rubber, and artificial synthetic fibers and filaments manufacturing
32532	Pesticide and other agricultural chemical manufacturing
3254	Pharmaceutical and medicine manufacturing (except 325411)
3255	Paint, coating, and adhesive manufacturing
3256	Soap, cleaning compound, and toilet preparation 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
32614	Polystyrene foam product manufacturing
326199	All other plastics product manufacturing
32629	Other rubber product manufacturing
327112	Vitreous china, fine earthenware, and other pottery product manufacturing
327113	Porcelain electrical supply manufacturing
327124	Clay refractory manufacturing
327125	Nonclay refractory manufacturing
32742	Gypsum product manufacturing
327910	Abrasive product manufacturing
327992	Ground or treated mineral and earth manufacturing
327993	Mineral wool manufacturing
3311	Iron and steel mills and ferroalloy manufacturing
3312	Steel product manufacturing from purchased steel
3313	Alumina and aluminum production and processing (except 331311)
3314	Nonferrous metal (except aluminum) production and processing
3315	Foundries
332111	Iron and steel forging
332116	Metal stamping

NAICS Code ADVANCED MATERIALS

332117	Powder metallurgy part manufacturing
332313	Plate work manufacturing
332322	Sheet metal work manufacturing
332618	Other fabricated wire product manufacturing
33271	Machine shops
332812	Metal coating, engraving (except jewelry and silverware), and allied services to manufacturers
332813	Electroplating, plating, polishing, anodizing, and coloring
332911	Industrial valve manufacturing
332991	Ball and roller bearing manufacturing
332995	Other ordnance and accessories manufacturing
332997	Industrial pattern manufacturing
332999	All other miscellaneous fabricated metal product manufacturing
333298	All other industrial machinery manufacturing
333313	Office machinery manufacturing
333319	Other commercial and service industry machinery manufacturing
3335	Metalworking machinery manufacturing (except 333512, 6)
333912	Air and gas compressor manufacturing
334119	Other computer peripheral equipment manufacturing
334220	Radio and television broadcasting and wireless communications equipment manufacturing
334290	Other communications equipment manufacturing
3344	Semiconductor and other electronic component manufacturing
3345	Navigational, measuring, electromedical, and control instruments manufacturing (except 334516, 8)
33511	Electric lamp bulb and part manufacturing
335314	Relay and industrial control manufacturing
335921	Fiber optic cable manufacturing
335931	Current-carrying wiring device manufacturing
336322	Other motor vehicle electrical and electronic equipment manufacturing
336399	All other motor vehicle parts manufacturing
336419	Other guided missile and space vehicle parts and auxiliary equipment manufacturing
339111	Laboratory apparatus and furniture manufacturing
339112	Surgical and medical instrument manufacturing
339113	Surgical appliance and supplies manufacturing
339991	Gasket, packing, and sealing device manufacturing
54138	Testing laboratories
5417	Scientific research and development services

NAICS Code AGRIBUSINESS, FOOD PROCESSING AND TECHNOLOGY

111	Crop production
112	Animal production

NAICS Code AGRIBUSINESS, FOOD PROCESSING AND TECHNOLOGY

1141	Fishing
1151	Support activities for crop production
1152	Support activities for animal production
311	Food manufacturing
312	Beverage and tobacco product manufacturing
3253	Pesticide, fertilizer, and other agricultural chemical manufacturing
33311	Agricultural implement manufacturing
333294	Food product machinery manufacturing
42382	Farm and garden machinery and equipment merchant wholesalers
4245	Farm product raw material merchant wholesalers
42491	Farm supplies merchant wholesalers

NAICS Code APPAREL AND TEXTILES CLUSTER

313	Textile mills
314	Textile product mills
315	Apparel manufacturing
323113	Commercial screen printing
32513	Synthetic dye and pigment manufacturing
32522	Artificial and synthetic fibers and filaments manufacturing
32791	Abrasive product manufacturing
33791	Mattress manufacturing
337121	Upholstered household furniture manufacturing
339993	Fastener, button, needle, and pin manufacturing
4243	Apparel, piece goods, and notions merchant wholesalers (except 42434)
54143	Graphic design services
54149	Other specialized design services
54184	Media representatives
54185	Display advertising
54186	Direct mail advertising
54187	Advertising material distribution services
54189	Other services related to advertising

NAICS Code ARTS, ENTERTAINMENT, RECREATION AND VISITOR INDUSTRIES

33992	Sporting and athletic goods manufacturing
33993	Doll, toy, and game manufacturing
42391	Sporting and recreational goods and supplies merchant wholesalers
487	Scenic and sightseeing transportation
512	Motion picture and sound recording industries

NAICS Code ARTS, ENTERTAINMENT, RECREATION AND VISITOR INDUSTRIES

515	Broadcasting (except internet)
5615	Travel arrangement and reservation services
711	Performing arts, spectator sports, and related industries
712	Museums, historical sites, and similar institutions
713	Amusement, gambling, and recreation industries
7211	Traveler accommodation
7212	Rv (recreational vehicle) parks and recreational camps

NAICS Code BIOMEDICAL/BIOTECHNICAL (LIFE SCIENCES)

3254	Pharmaceutical and medicine manufacturing
333314	Optical instrument and lens manufacturing
334510	Electromedical and electrotherapeutic apparatus manufacturing
334516	Analytical laboratory instrument manufacturing
334517	Irradiation apparatus manufacturing
3391	Medical equipment and supplies manufacturing
42345	Medical, dental, and hospital equipment and supplies merchant wholesalers
446	Health and personal care stores
5417	Scientific research and development services
562112	Hazardous waste collection
562211	Hazardous waste treatment and disposal
621	Ambulatory health care services (except 6211, 6212, 6213)

NAICS Code BUSINESS AND FINANCIAL SERVICES CLUSTER

323115	Digital printing
323116	Manifold business forms printing
518	Internet service providers, web search portals, and data processing services
5222	Nondepository credit intermediation
5223	Activities related to credit intermediation
523	Securities, commodity contracts, and other financial investments and related activities
524	Insurance carriers and related activities
525	Funds, trusts, and other financial vehicles
5313	Activities related to real estate (except 531320)
533	Lessors of nonfinancial intangible assets (except copyrighted works)
5411	Legal services
5412	Accounting, tax preparation, bookkeeping, and payroll services
5413	Architectural, engineering, and related services
5414	Specialized design services
5415	Computer systems design and related services
5416	Management, scientific, and technical consulting services

NAICS Code	BUSINESS AND FINANCIAL SERVICES CLUSTER
5418	Advertising and related services
54191	Marketing research and public opinion polling
541922	Commercial photography

NAICS Code	CHEMICALS
325	Chemical manufacturing
326	Plastics and rubber products manufacturing
327	Nonmetallic mineral product manufacturing
4246	Chemical and allied products merchant wholesalers
4247	Petroleum and petroleum products merchant wholesalers

NAICS Code	DEFENSE AND SECURITY
212291	Uranium-radium-vanadium ore mining
23713	Power and communication line and related structures construction
32592	Explosives manufacturing
332912	Fluid power valve and hose fitting manufacturing
332992	Small arms ammunition manufacturing
332993	Ammunition (except small arms) manufacturing
332994	Small arms manufacturing
332995	Other ordnance and accessories manufacturing
33429	Other communications equipment manufacturing
334511	Search, detection, navigation, guidance, aeronautical, and nautical system and instrument manufacturing
3364	Aerospace product and parts manufacturing
3366	Ship and boat building
336992	Military armored vehicle, tank, and tank component manufacturing
339113	Surgical appliance and supplies manufacturing
4231	Motor vehicle and motor vehicle parts and supplies merchant wholesalers
423860	Transportation equipment and supplies (except motor vehicle) merchant wholesalers
5415	Computer systems design and related services
541710	Research and development in the physical, engineering, and life sciences
5616	Investigation and security services
81149	Other personal and household goods repair and maintenance
922	Justice, public order, and safety activities
92612	Regulation and administration of transportation programs
927	Space research and technology
928	National security and international affairs

NAICS Code	EDUCATION AND KNOWLEDGE CREATION
611	Educational services
51111	Newspaper publishers
51112	Periodical publishers
51113	Book publishers
516	Internet publishing and broadcasting
519	Other information services

NAICS Code	ENERGY (FOSSIL AND RENEWABLE)
211	Oil and gas extraction
2121	Coal mining
213	Support activities for mining (except 213115)
212291	Uranium-radium-vanadium ore mining
2211	Electric power generation, transmission and distribution
2212	Natural gas distribution
22133	Steam and air-conditioning supply
2371	Utility system construction
2379	Other heavy and civil engineering construction (includes dams and hydroelectric facilities)
23821	Electrical contractors
23822	Plumbing, heating, and air-conditioning contractors
32411	Petroleum refineries
324199	All other petroleum and coal products manufacturing
32511	Petrochemical manufacturing
32512	Industrial gas manufacturing
325191	Gum and wood chemical manufacturing (include coke and charcoal)
325192	Cyclic crude and intermediate manufacturing
325193	Ethyl alcohol manufacturing (includes ethanol manuf.)
33241	Power boiler and heat exchanger manufacturing
33242	Metal tank (heavy gauge) manufacturing
33313	Mining and oil and gas field machinery manufacturing
333414	Heating equipment (except warm air furnaces) manufacturing (includes solar and hydronic heating equipment manufacturing)
333611	Turbine and turbine generator set units manufacturing
334413	Semiconductor and related device manufacturing
334519	Other measuring and controlling device manufacturing
3353	Electrical equipment manufacturing
3359	Other electrical equipment and component manufacturing
42352	Coal and other mineral and ore merchant wholesalers
42361	Electrical apparatus and equipment, wiring supplies, and related equipment merchant wholesalers
42369	Other electronic parts and equipment merchant wholesalers
42372	Plumbing and heating equipment and supplies (hydronics) merchant wholesalers

NAICS Code	ENERGY (FOSSIL AND RENEWABLE)
4247	Petroleum and petroleum products merchant wholesalers
447	Gasoline stations
45431	Fuel dealers
486	Pipeline transportation
52391	Miscellaneous intermediation (includes mineral and oil royalties dealing)
523999	Miscellaneous financial investment activities (includes oil and gas lease brokers)
532412	Construction, mining, and forestry machinery and equipment rental and leasing
533	Lessors of nonfinancial intangible assets (except copyrighted works)
54133	Engineering services
54136	Geophysical surveying and mapping services
54138	Testing laboratories
54162	Environmental consulting services
54169	Other scientific and technical consulting services
54171	Research and development in the physical, engineering, and life sciences
92613	Regulation and administration of communications, electric, gas, and other utilities

NAICS Code	FOREST AND WOOD PRODUCTS
113	Forestry and logging
1153	Support activities for forestry
23813	Framing contractors
23817	Siding contractors
23833	Flooring contractors
23835	Finish carpentry contractors
23816	Roofing contractors
321	Wood product manufacturing
322	Paper manufacturing
323117	Books printing
325191	Gum and wood chemical manufacturing
3255	Paint, coating, and adhesive manufacturing
32791	Abrasive product manufacturing
332213	Saw blade and handsaw manufacturing
33321	Sawmill and woodworking machinery manufacturing
333291	Paper industry machinery manufacturing
333991	Power-driven handtool manufacturing
337	Furniture and related product manufacturing (except 337124, 337125, 337214)
339992	Musical instrument manufacturing
339995	Burial casket manufacturing
4232	Furniture and home furnishing merchant wholesalers
4233	Lumber and other construction materials merchant wholesalers

NAICS Code GLASS AND CERAMICS

3271	Clay product and refractory manufacturing
3272	Glass and glass product manufacturing
3273	Cement and concrete product manufacturing
327992	Ground or treated mineral and earth manufacturing
327999	All other miscellaneous nonmetallic mineral product manufacturing
3328	Coating, engraving, heat treating, and allied activities

NAICS Code INFORMATION TECHNOLOGY AND TELECOMMUNICATIONS

23821	Electrical contractors
333613	Mechanical power transmission equipment manufacturing
333295	Semiconductor machinery manufacturing
3341	Computer and peripheral equipment manufacturing
3342	Communications equipment manufacturing
3343	Audio and video equipment manufacturing
3344	Semiconductor and other electronic component 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
334515	Instrument manufacturing for measuring and testing electricity and electrical signals
334516	Analytical laboratory instrument manufacturing
334518	Watch, clock, and part manufacturing
3346	Manufacturing and reproducing magnetic and optical media
3353	Electrical equipment manufacturing
3359	Other electrical equipment and component manufacturing
42343	Computer and computer peripheral equipment and software merchant wholesalers
42369	Other electronic parts and equipment merchant wholesalers
5112	Software publishers
517	Telecommunications (except 5175)
518	Internet service providers, web search portals, and data processing services
5415	Computer systems design and related services
541618	Other management consulting services
5417	Scientific research and development services
92613	Regulation and administration of communications, electric, gas, and other utilities

NAICS Code MANUFACTURING SUPERCLUSTER

331	Primary metal manufacturing
332	Fabricated metal product manufacturing (except 332992, 3, 4, 5)
333	Machinery manufacturing
334	Computer and electronic product manufacturing
335	Electrical equip, appliance and component manufacturing

NAICS Code MANUFACTURING SUPERCLUSTER

336 Transportation equipment manufacturing

NAICS Code MINING

2122 Metal ore mining

2123 Nonmetallic mineral mining and quarrying

213114 Support activities for metal mining

213115 Support activities for nonmetallic minerals

482 Rail transportation

532412 Construction, mining, and forestry machinery and equipment rental and leasing

NAICS Code PRINTING AND PUBLISHING

323 Printing and related support activities

325910 Printing ink manufacturing

339950 Sign manufacturing

511 Publishing industries (except Internet)

51511 Radio broadcasting

51521 Cable and other subscription programming

516 Internet publishing and broadcasting

51911 News syndicates

51919 All other information services

54143 Graphic design services

541613 Marketing consulting services

5418 Advertising and related services

54191 Marketing research and public opinion polling

541922 Commercial photography

NAICS Code TRANSPORTATION AND LOGISTICS

481 Air transportation

482 Rail transportation

483 Water transportation

484 Truck transportation

485112 Commuter rail systems

4855 Charter bus industry

485999 All other ground passenger transportation

486 Pipeline transportation

488 Support activities for transportation

492 Couriers and messengers

493 Warehousing and storage