Brookings export database methodology¹

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Purpose of database

The objective of Brookings export database is to provide local economic practitioners with better information on export production in metropolitan goods and services industries. With this information, local practitioners and researchers can better understand export activity and develop strategies to foster export-oriented growth.

Amid numerous export and trade data sources, Brookings export database is unique in several ways.

First and foremost, it estimates U.S. exports by production location, and not origin-of-movement, as is the norm with all the other available export databases. The origin-of-movement is not always the place where the good was produced, especially when the exported goods get consolidated along the shipment route. Origin-of-movement export data are sufficient for a freight study, but they provide a distorted view for regional economic analysis.

Second, this report is unique because it estimates exports at the county level, which allows aggregation at counties, metropolitan and micropolitan areas, states, regions, and national levels. The U.S. Census Bureau produces a state exports series and prepares a metropolitan export series for the International Trade Administration (ITA), but these series reflect origin-of-movement export data.

Finally, Brookings method estimates both goods and services exports at the county level for 91 detailed goods and 40 services industries (For the complete list, see Table A). This is more comprehensive than the Census Bureau's state and metropolitan exports series and the Freight Analysis Framework prepared by Oak Ridge National Laboratory, which cover only goods exports. The U.S. Bureau of Economic Analysis releases service export estimates, but only at the national level.

Overview of methodology

Turning to the methodology, this latest iteration of the data largely follows the methodology developed in the previous editions found in *Export Nation: How U.S. Metros Lead National Export Growth and Boost Competitiveness, Export Nation 2012: How U.S. Metropolitan Areas Are Driving National Growth,* and *Export Nation 2013: U.S. Growth Post-Recession.*

Most of the data sources employed in this study are the same with the previous edition: the USA Trade Online (Census) for goods exports, the Bureau of Economic Analysis (BEA) for services exports and price indexes, the Bureau of Labor Statistics (BLS) for jobs multipliers and price indexes, the Internal Revenue Service (IRS) for royalties data, Moody's Analytics production estimates at the county level, and university level foreign students' expenditures from NAFSA. In addition to these sources, this update employs data from the Energy Information Administration (EIA) on petroleum exports from Petroleum Administration for Defense Districts (PADD) regions and proprietary aviation data compiled by Sabre to assess spending by international tourists.

¹ This document is an updated and revised version of the methodology developed by Emilia Istrate and Nick Marchio in the Brookings report "Export Nation 2012: How U.S. Metropolitan Areas Are Driving National Growth."

As did the earlier edition, the estimation technique allocates U.S. exports for a given industry to each county based on their share of national production in that particular industry. This approach assumes that if Los Angeles County produces 5 percent of the national value-added of computer manufacturing, then this county also exports 5 percent of U.S. computer and electronics. The data is aggregated afterwards at metropolitan, state, region, and national level. Brookings utilizes this technique to allocate goods exports reported by Census and most services exports reported by the BEA.

In an effort to better approximate metropolitan services exports, this study employs a different allocation method for one goods industry and three major service sectors. Those are petroleum and coal products manufacturing and the services industries pertaining to royalties from intellectual property, travel and tourism, and education.

To more precisely allocate petroleum and coal products exports, this update first allocates national petroleum and coal products manufacturing exports to Energy Information Administration's Petroleum Administration for Defense Districts (PADD) based on each districts share of national total crude oil and petroleum products exports. Once allocated to the district level the value is then reallocated to counties based on each county's share of production generated in its petroleum and coal products manufacturing sector. This adjustments helps refine the spatial distribution of oil exports given the prevalence of large scale refineries that primarily serve domestic markets.

For royalties, this study adds a step to the allocation method. It first calculates industry royalties accrued from the use of U.S. copyrights, patents, and trademarks by foreigners for each of the BEA's royalty industry categories and further subdivides those estimates into NAICS industries using the IRS industry receipts from royalties, based on all returns of all active companies. In a second step, this study allocates each NAICS industry's royalties exports to the county level in proportion to each county's share of production generated by that industry.

A related allocation method was used for travel and tourism. This study uses the BEA "Travel and Tourism Account" to derive estimates of export revenues that accrue to industries that sells goods and services to foreign tourists. Once distributed by industry, the detailed categories are summed into "passenger fares" and "all other tourism-related spending" aggregates, which are then allocated to metros based on their share of round-trip international flights originating abroad. Passenger fares were allocated by the combined pass-through and destination flights into metropolitan areas to include the airport providing layover service, whereas all other tourism-related spending was allocated only by the destination flight. The aviation data spans two periods in 2003 and 2011, which were then interpolated into a time-series to cover the entire span of the data series. The resulting metropolitan tourism and travel-related expenditures were then allocated to counties by each county's share of value-added in the corresponding NAICS industry. This edition improves the NAICS identification of travel and tourism industries, based on a BEA provided correspondence table between the Travel and Tourism Account and NAICS codes.

Finally, in the case of education, this study uses the county share of the expenditures of foreign students to allocate education exports. Thanks to the data provided by NAFSA: The Association of International Educators, this method uses the geographical distribution of expenditures of foreign students in the U.S. instead of the number of foreign students in the U.S., which is available through the Institute of International Education's Open Doors survey.

In light of these changes, the previous export estimates and rankings associated with Brookings *Export Nation* reports and this current data series are not comparable. In addition, the Bureau of Economic Analysis (BEA) and Moody's Analytics constantly revise the historical estimates that this study employs, which also make comparisons with previous versions incompatible. Lastly, over the past several years, the

BEA changed its methodology for estimating some service exports, which affects the estimates of service export categories. To enable time-series comparisons, Brookings updates all data going back across the entire series each release.

Export-supported jobs methodology

To estimate the numbers of jobs supported by exports, this update uses annual job multipliers calculated by the U.S. Bureau of Labor Statistics (BLS), adjusted to remove the employment effect of imports.

Along these lines, the database provides two sets of export jobs data. The first type, direct export-production jobs, are jobs supported by exports in the industries producing the exported good or service. Total export-supported jobs, by contrast, reflect the broader employment impact of exports including direct export-production jobs; jobs with the suppliers of intermediate inputs to exporting industries; and, in the case of goods exports, associated jobs in the transportation and wholesale trade industries across the U.S. Some of the direct and indirect jobs may lie outside of the metro area that produces the exported good or service.

For direct export-production jobs, the report employs the BLS job multipliers that show the number of direct jobs, full-time or part-time, supported by \$1 million worth of sales (valued in production prices) of the products of an industry. For total export-supported jobs, it employs the BLS job multipliers that show the number of direct and indirect jobs, full-time or part-time, supported by \$1 million worth of sales (valued in production prices) of the products of an industry. For example, \$1 million worth of sales (in production prices) of medical devices supported an average of 3.78 direct jobs in the U.S. 2013—these are jobs in the medical device industry itself. The same amount of medical device production supports on average 6.18 direct and indirect jobs in the U.S. in 2013— these are jobs in the medical device industry and in any U.S. industry that provided inputs into the production of those products.

The only export for which this study does not use BLS multipliers is travel and tourism, which represents the combined expenditures of foreign tourists with the value of the passenger fares paid by foreign residents to U.S. air carriers for their flight to the U.S. along with the local industries they encounter during their trip to the U.S.

Instead of BLS multipliers, this report uses for direct export-production jobs the ratio of the BEA direct tourism employment over the direct output of U.S. travel and tourism (domestic and international). For total export-supported jobs, takes the difference between the BEA direct and total tourism employment and divides it by the difference between direct and total output of U.S. travel and tourism. The quotient is then then added to the direct export-supported jobs multiplier to create total export-supported jobs. This method was adopted because travel and tourism is a heterogeneous industry for which BLS does not have a unique job multiplier.

Industry coverage

This edition presents the industry analysis of exports for 91 detailed goods export industries and 40 detailed services export industries.

In the case of goods exports, it employs a four-digit North American Industry Classification System (NAICS) industry aggregation, instead of commodity, because the estimation method is based on allocating U.S. exports by the geographical distribution of production of the exporting industry. This study uses U.S. estimates of domestic goods exports by U.S. industries, provided by Census USA Trade Online data

platform. It does not include waste, used merchandise, goods returned to Canada, special classification provisions, scrap, and re-exports, because they are not firsthand production nor identifiable by industry.

For services, this report uses U.S. Bureau of Economic Analysis (BEA) private services estimates, which the federal agency compiles from a number of surveys targeted at certain service industries. In order to allocate services exports by production, this study constructs a match—up table between the BEA services export categories to NAICS codes (see Table B). It does not include U.S. government miscellaneous services and transfers under U.S. military agency sales contracts.

The U.S. exports in this database are a sum of Census goods domestic exports and BEA private services exports, without waste, scrap, and re-exports, U.S. government miscellaneous services, transfers under U.S. military agency sales contracts. This subset of U.S. exports constitutes 85.9 percent of the total U.S. exports (on a balance-of-payments basis) in 2014, reported by BEA.

As a further note on service industries, Travel and tourism industries originate from "Travel and Tourism Account"; detailed business, professional, and technical services originate from the BEA in International Service Statistics;² and industries receiving royalties' receipts originate from the IRS in returns of active corporations.

Geographic coverage

The database estimates exports of goods and services for each of the 3113 counties in the 50 states plus the District of Columbia, which allows the simultaneous calculation of exports at the metropolitan level and at the state level. This report uses the U.S. Bureau of Analysis definition of a county, which in comparison with the U.S. Census Bureau definition, combines Maui and Kalawao County in Hawaii and the small independent cities of Virginia—generally those with fewer than 100,000 residents—in their adjacent counties.

This study assesses export trends across the top 100 metropolitan areas in 2013, using metropolitan statistical areas (MSAs) as defined by the Office of Management and Budget (OMB) in 2013. There were 381 metropolitan areas in 2013 and this report focuses on the largest 100 metro areas, with at least 500,000 residents in 2013. This report concentrates on this group, because they collectively contain two-thirds of the nation's jobs and generate three-quarters of GDP. The country's 381 metropolitan areas are home to 85.4 percent of its population and generate nearly 91 percent of national GDP.

Inflation adjustments

This study estimates exports at county level (and through aggregation at metro and state level) between 2003 and 2014. Any growth rates of the export sales are in real terms, with the previous years adjusted for inflation to 2014. The exports are inflation-adjusted by export category. To adjust for inflation to 2014 dollars, the analysis uses the BLS Producer Price Indexes (PPI) for each detailed goods export category (four-digit NAICS industries). This study uses the BLS (PPI) for goods exports, due to insufficient industry

² BEA export data is unavailable for the industries composing "Other Business, Professional, and Technical Services" during the years 2003, 2004, and 2005. Available data on each industry's unaffiliated exports (transfers between companies without stakes in one another) and their aggregate "Other Business, Professional, and Technical Services" exports make the limited application of time series extrapolation possible. This is so because: 1) unaffiliated exports provide a lower bound with which to couch a forecast and serve as a trend predictor because they are highly correlated with overall exports, 2) the availability of the aggregated value of "Other Business, Professional, and Technical Services" provides an upper bound for the estimation of its subcomponents. To reduce error, this study sets the autoregressive integrated moving average (ARIMA) specifications according to the models that best follow the industry share trends during the known years. Total gross output served as the predictor of mining service exports due to the lack of unaffiliated export data during the missing years.

detail and time series availability for the BLS export prices indexes. The BLS PPI indexes were available for all goods except agricultural production. For agriculture, this study uses the BEA exports price index for agricultural goods. For service exports, it employs the BEA service export price indexes by service export category.

Methodological precedents, robustness, and validation:

The method used here is similar to previous efforts to estimate sub-national export data based on location of production. Testa, Klier, and Zelenev³ from the Federal Reserve Bank of Chicago employed the same method, using metropolitan industry employment shares. Brooks,⁴ with the U.S. Department of Agriculture, used the state level agricultural production data to allocate U.S. exports of agricultural goods to the states of production. In addition, the Bureau of Economic Analysis (BEA) uses an allocation method to estimate the Gross Metropolitan Product from the state output.⁵ For more on the accuracy of this methods' estimates, please see the Appendix in the first edition of "Export Nation."

One drawback of this methodology is that it does not fully take into account different export propensities of metropolitan industries, but rather gives an approximation of export potential based on the national average for a given industry. For instance, some metros might be especially good at exporting due to hard to quantify factors not captured by production—such as a product mix that better matches international demand. As a result, it is best to say that for a given industry their export level signals its export potential if it performs at the national average for that industry. While not the optimal method to estimate metropolitan exports, this estimation technique is the best available process to provide reasonably accurate estimates of metropolitan exports, especially in comparison to the series available from the Census-International Trade Administration's *TradeStats Express*.

For example, based on Census-ITA exports data, the McAllen, TX metro area sold abroad \$2.147 billion worth of computer and electronics in 2013, which was 100 times larger than what the U.S. Bureau of Economic Analysis reported for the production of McAllen's computer and electronics industry in the same year. This study estimates \$11.85 million worth of computer and electronics originating from McAllen, in line with the production of this metro industry.

To further evaluate the robustness of the database, Brookings utilized the Bureau of Transportation Statistics *Commodity Flows Survey* from the Department of Transportation to calculate the share of goods that are sent outside the metro for 59 of the 100 largest metropolitan areas for the year 2007. This export orientation measure was positively and significantly correlated with the Brookings export orientation measure, but it was negatively correlated with the Census-ITA measure. Further, the Brookings goods exports data were strongly correlated with manufacturing employment, but the ITA data had no significant correlation with manufacturing. Given the outsized importance of manufacturing to exports, this result also favors using the Brookings data over the ITA data. Using multi-variable regression analysis, the sources of the discrepancies between Census-ITA and Brookings estimates were analyzed. The metropolitan areas with the highest export to GMP ratios in the Census-ITA were in states that bordered Mexico or Canada; metros in these bordering states were allocated an average of 54 extra percentage points to their exports to

³ William Testa, Thomas Klier, and Alexei Zelenev. "Estimating U.S. Metropolitan Areas Export and Import Competition," Economic Perspective (Federal Reserve Bank of Chicago, 2003).

⁴ Nora Brooks. "U.S. Agricultural Trade Update—State Exports," Economic Research Service Outlook Report (U.S. Department of Agriculture, 2005).

⁵ Carlos Gutierrez, J. Steven Landefeld, Rosemary Marcus. "Gross Domestic Product by State Estimation Methodology." (Bureau of Economic Analysis, 2006).

GMP ratio; this represented an extra seven billion dollars in exports, most of which is probably erroneous if interpreted as the origin of production. Likewise, metropolitan areas with ports were allocated an extra 3.5 billion in exports on average.

As an additional robustness check, Brookings tested its goods export estimates and the Census-ITA against a novel one-off database constructed by Brookings in partnership with the Economic Development Research Group from a 2010 sampling of the Oak Ridge National Laboratory's *Freight Analysis Framework* (*FAF*) which compiles subnational export flows from a number of government surveys. This Brookings-modified FAF database identifies commodity flows with greater domestic and international precision using data from the World Institute for Strategic Economic Research (WISER), in addition to industry data from IMPLAN, Moody's Analytics, and various adjustments to discrepancies inherent in FAF.⁶ Using these exacting estimates of aggregate goods export flows from metropolitan areas, this export database had a much lower relative and standard error compared to the Census-ITA estimates. See Table C for these results.

Table C
Adjusted-FAF Estimates of Metropolitan Goods Exports
compared to Brookings and Census-ITA Export Series

•	Average	Average				
	Standard	Relative				
	Error	Standard				
	(millions)	Error	R-Squared			
Brookings	597.3	29.0%	89.5%			
Census-ITA	1083.3	72.8%	84.8%			

Observations: 269 metropolitan areas

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⁶ For more information see Appendix A of Adie Tomer, Robert Puentes, and Joseph Kane. "Metro-to-Metro: Global and Domestic Goods Trade in Metropolitan Areas." (Brooking, 2013).

Table A

Table A	<u> </u>				
NAICS 2	NAICS 2 Title	NAICS 3	NAICS 3 Title	NAICS 4	NAICS 4 Title
11	Agriculture, Forestry, &	11FR	Agriculture	11FR	Agriculture
11	Fishing	11FH	Forestry & Fishing	11FH	Forestry & Fishing
		211	Oil & Gas Extraction	2111	Oil & Gas Extraction
21	Mining, Oil, & Gas			2121	Coal Mining
21	Extraction	212	Mining	2122	Metal Ore Mining
				2123	Nonmetallic Minerals Mining
				3111	Animal Foods
				3112	Grain & Oilseed Products
				3113	Sugar & Confectionery Products
		311	Food Manufacturing	3114	Frozen & Canned Foods
		311		3115 3116	Dairy Products Meat & Poultry Products
				3117	Seafood Products
				3118	Bakery Products
				3119	Snack, Coffee, & Condiments
			Beverage & Tobacco	3121	Beverage Products
		312	Products	3122	Tobacco Products
				3131	Fiber, Yarn, & Thread Products
		313	Textile Mills	3132	Fabrics
				3133	Textile & Fabric Finishings
		314	Textile Product Mills	3141	Household Textile Products
		314	TOXUIC F TOUUCE WIIIIS	3149	Misc. Textile Products
				3151	Knit Apparel Products
		315	Apparel Manufacturing	3152	Cut & Sewn Apparel Products
				3159	Apparel Accessories
				3161	Leather Finishing Products
		316	Leather & Allied Products	3162	Footwear Products
				3169	Misc. Leather Products
		224	Wood Product	3211	Sawmill & Treated Wood Products
		321	Manufacturing	3212	Wood Products
			<u> </u>	3219 3221	Misc. Wood Products
		322	Paper Manufacturing	3222	Paper Products Converted Paper Products
		323	Printing & Related Activities	3231	Printing & Related Activities
		324	Petroleum & Coal Products	3241	Petroleum & Coal Products
		02.	- Street and a State of State	3251	Basic Chemicals
				3252	Resins & Synthetic Rubbers
31-33	Manufacturing			3253	Pesticides & Fertilizers
		325	Chemical Manufacturing	3254	Pharmaceuticals
				3255	Paint Products
				3256	Cleaning Products
				3259	Misc. Chemicals
		326	Plastics & Rubber Products	3261	Plastics
		020		3262	Rubber Products
			Nonmetallic Mineral Products	3271	Clay Products
		227		3272	Glass Products
		327		3273	Cement & Concrete Products
				3274 3279	Lime & Gypsum Products Misc. Nonmetallic Mineral Products
				3311	Iron & Steel Products
				3311	Steel Products
		331	Primary Metal Manufacturing	3313	Aluminum Products
			I filliary Wetai Wariaractaring	3314	Nonferrous Metal Products
				3315	Foundry Products
				3321	Forging & Stamping
				3322	Cutlery & Handtools
		332		3323	Architectural & Structural Metals
			Fabricated Metal Products	3324	Tanks & Shipping Containers
				3325	Hardware Products
				3326	Spring & Wire Products
				3327	Screws, Nuts, & Bolts
				3329	Misc. Fabricated Metal Products
		222	Machinery Manufacturing	3331	Agri., Constr., Mining Machinery
				3332	Industrial Machinery
				3333	Commercial & Service Machinery
		333		3334	HVAC Equipment
				3335	Metalworking Machinery
				3336	Engine & Power Equipment
				3339	Misc. General Purpose Machinery

Table A (continued)

NAICS 2	NAICS 2 Title	NAICS 3	NAICS 3 Title	NAICS 4	NAICS 4 Title
				3341	Computer Equipment
				3342	Communications Equipment
			Computer & Electronic	3343	Audio & Video Equipment
		334	Products	3344	Semiconductors
				3345	Precision Instruments
				3346	Magnetic & Optical Media
				3351	Electrical Lighting Equipment
31-33	Manufacturing	335	Electrical Equipment & Appliances	3352	Household Appliances
				3353	Electrical Equipment
				3359	Misc. Electrical Equipment
		336	Transportation Equipment	3361	Motor Vehicles
				3362	Motor Vehicle Body & Trailers
				3363	Motor Vehicle Parts
				3364	Aircraft Products & Parts
				3365	Railroad Rolling Stock
				3366	Ships & Boats
				3369	Misc. Transportation Equipment
				3371	Furniture Products
		337	Furniture & Related Products	3372	Office Furniture Products
				3379	Home Furnishing Products
		339	Miscellaneous	3391	Medical Equipment & Supplies
		339	Manufacturing	3399	Miscellaneous Goods
		O) /N 4	Management & Legal	14SV	Management & Consulting
		SVM	Services	21SV	Legal Services
	General Business			16SV	Accounting & Auditing Services
31	Services		Support Services	17SV	Advertising Services
		SVS		24SV	Trade-related Services
				26SV	Ancillary Services
				07SV	Investment Banking
		SVF	Financial Services	08SV	Financial Management
22	Finance & Insurance		Financial Services	09SV	Credit Issuance & Lending
S2					
		SVI	Insurance Services	05SV	Insurance Carriers
			Engineering Services	06SV	Auxiliary Insurance Activities
				01SV	Equipment Installation Services
		SVE		18SV	Architectural & Engineering Services
	Engineering & Heavy		Freight & Heavy Industry	20SV	Industrial Engineering Services
S3	Industry			02SV	Freight & Port Services
		SVH		15SV	Operational Leasing Services
				19SV	Construction Services
				22SV	Mining Services
	Information & Technology	RYX	Royalties	01RY	Chemical Manufacturing Royalties
				02RY	Other Manufacturing Royalties
				03RY	Computer & Electronic Royalties
				04RY	Wholesale & Retail Royalties
				05RY	Information Technology Royalties
				06RY	Scientific & Technical Royalties
64				07RY	Other Royalties
				08RY	Film & Music Industry Royalties
				10SV	Telecom Services
		SVT		11SV	Computer Services
			Tech Sector		Information Services
				12SV	
				13SV	R & D Services
		SVD	Educational & Medical Services	03SV	Medical Services
	The second secon			04SV	Educational Services
				IDEC(/	Training Services
			Cervices	25SV	
			Oct vices	01TT	Air Transportation Services
\$5	Eds Meds & Tourism		Cervices	01TT 02TT	
65	Eds, Meds, & Tourism		Gervices	01TT	Air Transportation Services
35	Eds, Meds, & Tourism	TTX	Travel & Tourism	01TT 02TT	Air Transportation Services Ground Transportation Services
65	Eds, Meds, & Tourism			01TT 02TT 03TT	Air Transportation Services Ground Transportation Services Accommodation Services Food & Drink Services
65	Eds, Meds, & Tourism			01TT 02TT 03TT 04TT	Air Transportation Services Ground Transportation Services Accommodation Services

Table B

NAICS Components	Brookings	Export Category Title	
NAICS Components	Code		
111; 11	211FR	Agriculture	
113; 11	411FH	Forestry & Fishing	
5416; 5611	14SV	Management & Consulting	
5411	21SV	Legal Services	
5412	16SV	Accounting & Auditing Services	
	17SV	Advertising Services	
	24SV	Trade-related Services	
5419; 5612; 5613; 5614; 5616; 561		Ancillary Services	
5231; 5232		Investment Banking	
	08SV	Financial Management	
5222; 5223		Credit Issuance & Lending	
	05SV	Insurance Carriers	
	06SV	Auxiliary Insurance Activities	
8111; 8112; 8113; 81		Equipment Installation Services	
	18SV	Architectural & Engineering Services	
	20SV	Industrial Engineering Services	
481; 482; 483; 484; 488		Freight & Port Services	
	15SV	Operational Leasing Services	
	19SV	Construction Services	
	22SV	Mining Services	
311; 312; 313; 314; 315; 316; 321; 322; 323; 324; 32	01RY 02RY	Chemical Manufacturing Royalties Other Manufacturing Royalties	
327; 331; 332; 333; 335; 336; 337; 339	0000	Operation & Floridania Berellia	
334	03RY	Computer & Electronic Royalties	
423; 424; 425; 441; 442; 443; 444; 445; 446; 447; 448; 451; 452; 453; 454	04RY	Wholesale & Retail Royalties	
511; 517; 51	905RY	Information Technology Royalties	
522; 523; 524; 525; 531; 532; 533; 541; 551; 561; 562	06RY	Scientific & Technical Royalties	
FR; FH; 212; 221; 236; 237; 238; 481; 482; 483; 484; 485; 486; 487; 488; 493; 611; 621; 622; 623; 624; 711; 712; 713; 721; 722; 811; 812; 81		Other Royalties	
512; 515	08RY	Film & Music Industry Royalties	
517; 5151; 515		Telecom Services	
	11SV	Computer Services	
5112; 518; 51		Information Services	
	13SV	R & D Services	
622; 6211; 6214; 6215; 6219		Medical Services	
	04SV	Educational Services	
6114; 6115; 611		Training Services	
481; 4881	0111	Air Transportation Services	
447; 482; 4882; 483; 4851; 4853; 4859; 487; 4883; 4884; 4852; 4853; 4855; 5321; 8111	02TT	Ground Transportation Services	
	03TT	Accommodation Services	
722	04TT	Food & Drink Services	
5121; 5615; 7113; 7114; 7115; 7121; 7131; 7132; 7	10359FT	Entertainment Services	
441; 442; 443; 444; 445; 446; 448; 451; 452; 453; 454; 8129		Retail Services	
7111; 711	223SV	Sports & Performing Arts	