



The
Mississippi
Furniture Industry
and its
Economic Impacts
to the state economy

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Mississippi State University

The Mississippi Furniture Industry And Its Economic Impacts To The State Economy

Based on 2006 Data

by

James E. Henderson and Ian A Munn

Forest and Wildlife Research Center
Mississippi State University

TABLE OF CONTENTS

Introduction.....	1
Methods	2
Results.....	3
Conclusions	4
Literature Cited.....	5
Table I.....	6
Table 2.....	13
Table 3.....	14
Table 4.....	15
Table 5.....	16
Table 6.....	17
Table 7.....	18

INTRODUCTION

The Mississippi furniture industry is a major component of the State's economy, directly accounting for nearly 30,000 jobs, over \$1 billion in wages and salaries, over \$3.5 billion in production value, and nearly \$1.5 billion in value-added (Minnesota IMPLAN Group, Inc., 2006). Yet, the economic importance of the Mississippi furniture industry is far greater, as many other sectors of the State economy benefit from the activities of the furniture industry resulting in an even greater economic impact. The overall economic impact of furniture industry on the Mississippi economy can be measured by four key statistics: employment, wages and salaries, total industry output, and value-added. Employment is the number of full- and part-time jobs, employee compensation includes wages and salaries, total industry output is the total value of production, and value-added, which is the creation of new wealth, is money available for payment as wages and salaries, owner compensation, and taxes.

The importance of the Mississippi furniture industry can be appreciated by examining

the economic impacts resulting from direct, indirect, and induced impacts. The furniture industry impacts the economy directly by its own employment, payment of wages and salaries, production value, and value-added. The industry's production activity creates an indirect impact on the State economy resulting from the industry's purchasing of goods and services necessary for furniture production from other economy sectors. There is also an induced impact resulting from furniture industry employees and suppliers spending their wages and salaries on goods and services. The economic importance of the furniture industry and its impact on other sectors of the Mississippi economy are best illustrated by examining the direct, indirect, and induced impacts independently. This study analyzed the importance of the Mississippi furniture industry to the State economy by calculating the direct, indirect, and induced impacts, which were expressed in terms of employment, employee compensation, dollar value of output, and value-added.

METHODS

To measure the economic impact of the Mississippi furniture industry, this study utilized an Input-Output (I-O) analysis to trace commodity flows through the economy from producers to consumers. This form of economic analysis involves a model that represents inter-industry relations in the economy to trace how the output of one industry is purchased by other industries where it serves as an input of production. Thus, a number of industries can be dependent on one industry as a supplier of inputs and a purchaser of outputs. Through this form of model analysis, linkages between inter-related industries and the importance of an industry on a regional economy

can be quantified. This basic approach was first applied by Wassily Leontief, for which he won the 1973 Nobel Prize in Economics.

Economic impacts of the Mississippi furniture industry were estimated using the Impact Analysis for Planning (IMPLAN) model originally developed by the U.S.D.A. Forest Service and now maintained by the Minnesota IMPLAN Group, Inc. The IMPLAN model database for 2006 was constructed from national-level I-O matrices and transactions tables and economic data at the State and county level using information from sources such as U.S. Census Bureau, Department of Commerce, and Bureau of Economic Analysis.

IMPLAN models the economy using a 509 sector input-output transactions table. To simplify reporting of results, these sectors were aggregated into 31 similar industry groups. For example, the Mississippi furniture industry includes nine primary furniture sectors: upholstered household furniture manufacturing, non-upholstered wood household furniture manufacturing, metal household furniture manufacturing, institutional

furniture manufacturing, other household and institutional furniture, wood office furniture manufacturing, office furniture manufacturing, mattress manufacturing, and furniture and home furnishings stores. These nine sectors were aggregated into one furniture industry group. The aggregation scheme for the 509 IMPLAN sectors is summarized in Table 1.

RESULTS

The direct impacts of the 31 aggregated sectors of the Mississippi economy were presented in Table 2. The furniture industry employed 29,848 in 2006, accounting for about 2% of all employment in the State and paid wages and salaries amounting to \$1.1 billion. The total value of output for the furniture industry was over \$3.5 billion, which included nearly \$1.5 billion in value-added.

The total impact of the furniture industry on the Mississippi economy was substantial (Table 3). When considering the combined impact of the direct, indirect, and induced impacts of the furniture industry on other industries in the State economy, the furniture industry accounted for 47,546 jobs and nearly \$1.7 billion in employee compensation. Total output amounted to nearly \$5.7 billion with over \$2.5 billion in value-added.

The indirect impact of the furniture industry accounted for an additional 7,829 jobs as other industries supplied inputs to the furniture industry (Table 4). Induced impacts accounted for an additional 9,870 jobs as other industries provide goods and services to employees of the furniture industry and its suppliers (Table 4). Indirect employment impacts of the furniture industry were greatest in the Services, Wholesale and Retail Trade, and Foam Product Manufacturing sectors. Induced employment impacts are greatest in the Services, Wholesale and Retail Trade, and Health Services sectors.

The furniture industry was directly responsible for wages and salaries amounting to \$1.1 billion; however, indirect and induced impacts accounted for an additional \$303.4 and \$286.7 million in employee compensation for Mississippi, respectively. This generated a total economic impact of \$1.7 billion in employee compensation. Industries experiencing the largest benefit as measured by employee compensation included Wholesale and Retail Trade and Services. Transportation and Communication Service, Foam Product Manufacturing, and Solid Wood Products also benefited from indirect impacts, and Health Services and Financial and Real Estate from induced impacts (Table 5).

Indirect and induced impacts of the Mississippi furniture industry amounted to over \$2.1 billion in output (Table 6) and over \$1.7 billion in value-added (Table 7). Indirect output impacts were greatest in Wholesale and Retail Trade, Foam Products Manufacturing, Services, Solid Wood Products, and Transportation and Communication Services. Value-added indirect impacts accrued to Wholesale and Retail Trade, Services, Foam Products Manufacturing, Financial and Real Estate, and Transportation and Communication Services. Induced impacts in total output and value-added also accrued to Services, Wholesale and Retail Trade, Financial and Real Estate, and Health Services.

CONCLUSIONS

The Mississippi furniture industry is important to the State economy both directly and in its impact on other Mississippi industries. When the full scope of the furniture industry and its interrelationships with other sectors of the economy were considered, the furniture industry provided the Mississippi economy with 47,546 jobs, nearly \$1.7 billion in employee compensation, \$5.7 billion in total output,

and over \$2.5 billion in value-added. When considered as a percentage of the State economy, the economic impact of the Mississippi furniture industry accounts for 3.18% of employment, 3.54% of employee compensation, 3.28% of total output, and 3.33% of value-added. Clearly, the Mississippi furniture industry is important to the State's economy.

LITERATURE CITED

Minnesota IMPLAN Group, Inc. 2000. User's guide, analysis guide, data guide: IMPLAN Professional Version 2.0. 2nd Edition. Stillwater, MN.

Minnesota IMPLAN Group, Inc. 2004. IMPLAN Professional, Version 2.0, Social Accounting and Impact Analysis Software. Stillwater, Minnesota.

Minnesota IMPLAN Group, Inc. 2006. IMPLAN data for Mississippi. Stillwater, Minnesota.



Table 1. Aggregation scheme of industry sector groups used for Impact Analysis for Planning (IMPLAN) input-output analysis of furniture industry economic impacts on the Mississippi economy.

Furniture Industry

Upholstered household furniture manufacturing; Nonupholstered wood household furniture manufacturing; Metal household furniture manufacturing; Institutional furniture manufacturing; Other household and institutional furniture; Wood office furniture manufacturing; Office furniture- except wood- manufacturing; Mattress manufacturing; Furniture and home furnishings stores

Agricultural Products

Oilseed farming; Grain farming; Vegetable and melon farming; Tree nut farming; Fruit farming; Greenhouse and nursery production; Tobacco farming; Cotton farming; Sugarcane and sugar beet farming; All other crop farming; Cattle ranching and farming; Poultry and egg production; Animal production- except cattle and poultry and eggs

Logging and Miscellaneous Forest Products

Logging; Forest nurseries- forest products- and timber tracts

Resource Services

Fishing; Hunting and trapping; Agriculture and forestry support activities

Mining

Oil and gas extraction; Coal mining; Iron ore mining; Copper- nickel- lead- and zinc mining; Gold- silver- and other metal ore mining; Stone mining and quarrying; Sand- gravel- clay- and refractory mining; Other nonmetallic mineral mining; Drilling oil and gas wells; Support activities for oil and gas operations; Support activities for other mining

Utility Services

Power generation and supply; Natural gas distribution; Water- sewage and other systems; Waste management and remediation services

Construction

New residential 1-unit structures- all; New multifamily housing structures- all; New residential additions and alterations- all; New farm housing units; Manufacturing and industrial buildings; Commercial and institutional buildings; Highway- street- bridge- and tunnel construction; Water- sewer- and pipeline construction; Other new construction; Maintenance and repair of farm and nonfarm residence; Maintenance and repair of nonresidential buildings; Maintenance and repair of highways- streets- bridge; Other maintenance and repair construction

Agricultural Processing

Dog and cat food manufacturing; Flour milling; Rice milling; Wet corn milling; Soybean processing; Other oilseed processing; Fats and oils refining and blending; Breakfast cereal manufacturing; Fluid milk manufacturing; Creamery butter manufacturing; Cheese manufacturing; Dry- condensed- and evaporated dairy products; Ice cream and frozen dessert manufacturing; Animal- except poultry- slaughtering; Meat processed from carcasses; Rendering and meat byproduct processing; Poultry processing

Table 1. Aggregation scheme of industry sector groups used for Impact Analysis for Planning (IMPLAN) input-output analysis of furniture industry economic impacts on the Mississippi economy (continued).

Farm Inputs and Machinery

Other animal food manufacturing; Nitrogenous fertilizer manufacturing; Phosphatic fertilizer manufacturing; Fertilizer- mixing only- manufacturing; Pesticide and other agricultural chemical manufacturing; Farm machinery and equipment manufacturing; Lawn and garden equipment manufacturing

Food Processing

Malt manufacturing; Sugar manufacturing; Confectionery manufacturing from cacao beans; Confectionery manufacturing from purchased chocolate; Nonchocolate confectionery manufacturing; Frozen food manufacturing; Fruit and vegetable canning and drying; Seafood product preparation and packaging; Frozen cakes and other pastries manufacturing; Bread and bakery product- except frozen- manufacturing; Cookie and cracker manufacturing; Mixes and dough made from purchased flour; Dry pasta manufacturing; Tortilla manufacturing; Roasted nuts and peanut butter manufacturing; Other snack food manufacturing; Coffee and tea manufacturing; Flavoring syrup and concentrate manufacturing; Mayonnaise- dressing- and sauce manufacturing; Spice and extract manufacturing; All other food manufacturing; Soft drink and ice manufacturing; Breweries; Wineries; Distilleries; Tobacco stemming and redrying; Cigarette manufacturing; Other tobacco product manufacturing

Fabric Mills and Leather

Fiber- yarn- and thread mills; Broadwoven fabric mills; Narrow fabric mills and schiffli embroidery; Textile and fabric finishing mills; Leather and hide tanning and finishing; Other leather product manufacturing

Solid Wood Products

Sawmills; Wood preservation; Reconstituted wood product manufacturing; Veneer and plywood manufacturing; Engineered wood member and truss manufacturing; Cut stock- resawing lumber- and planning; Other millwork- including flooring; Wood container and pallet manufacturing; Prefabricated wood building manufacturing; Miscellaneous wood product manufacturing; Custom architectural woodwork and millwork

Miscellaneous Manufacturing

Nonwoven fabric mills; Knit fabric mills; Fabric coating mills; Carpet and rug mills; Curtain and linen mills; Textile bag and canvas mills; Tire cord and tire fabric mills; Other miscellaneous textile product mills; Sheer hosiery mills; Other hosiery and sock mills; Other apparel knitting mills; Cut and sew apparel manufacturing; Accessories and other apparel manufacturing; Footwear manufacturing; Wood windows and door manufacturing; Manufactured home- mobile home- manufacturing; Flexible packaging foil manufacturing; Stationery and related product manufacturing; Manifold business forms printing; Books printing; Blankbook and looseleaf binder manufacturing; Commercial printing; Tradebinding and related work; Prepress services; Watch- clock- and other measuring and controlling; Wood kitchen cabinet and countertop manufacturing; Showcases- partitions- shelving- and lockers; Blind and shade manufacturing; Jewelry and silverware manufacturing; Sporting and athletic goods manufacturing; Doll- toy- and game manufacturing; Office supplies- except paper- manufacturing; Sign manufacturing; Gasket- packing- and sealing device manufacturing; Musical instrument manufacturing; Broom- brush- and mop manufacturing; Burial casket manufacturing; Buttons- pins- and all other miscellaneous manufacturing

Table 1. Aggregation scheme of industry sector groups used for Impact Analysis for Planning (IMPLAN) input-output analysis of furniture industry economic impacts on the Mississippi economy (continued).

Pulp and Paper

Pulp mills; Paper and paperboard mills; Paperboard container manufacturing; Surface-coated paperboard manufacturing; Coated and laminated paper and packaging materials; Coated and uncoated paper bag manufacturing; Die-cut paper office supplies manufacturing; Envelope manufacturing; Sanitary paper product manufacturing; All other converted paper product manufacturing

Petroleum and Chemicals

Petroleum refineries; Asphalt paving mixture and block manufacturing; Asphalt shingle and coating materials manufacturing; Petroleum lubricating oil and grease manufacturing; All other petroleum and coal products manufacturing; Petrochemical manufacturing; Industrial gas manufacturing; Synthetic dye and pigment manufacturing; Other basic inorganic chemical manufacturing; Other basic organic chemical manufacturing; Plastics material and resin manufacturing; Synthetic rubber manufacturing; Cellulosic organic fiber manufacturing; Noncellulosic organic fiber manufacturing; Pharmaceutical and medicine manufacturing; Paint and coating manufacturing; Adhesive manufacturing; Soap and other detergent manufacturing; Polish and other sanitation good manufacturing; Surface active agent manufacturing; Toilet preparation manufacturing; Printing ink manufacturing; Explosives manufacturing; Custom compounding of purchased resins; Photographic film and chemical manufacturing; Other miscellaneous chemical product manufacturing; Plastics packaging materials- film and sheet; Plastics pipe- fittings- and profile shapes; Laminated plastics plate- sheet- and shapes; Plastics bottle manufacturing; Resilient floor covering manufacturing; Plastics plumbing fixtures and all other plastics; Tire manufacturing; Rubber and plastics hose and belting manufacturing; Other rubber product manufacturing

Foam Product Manufacturing;

Foam product manufacturing

Glass, Stone, and Clay

Vitreous china plumbing fixture manufacturing; Vitreous china and earthenware articles manufacturing; Porcelain electrical supply manufacturing; Brick and structural clay tile manufacturing; Ceramic wall and floor tile manufacturing; Nonclay refractory manufacturing; Clay refractory and other structural clay products; Glass container manufacturing; Glass and glass products- except glass containers; Cement manufacturing; Ready-mix concrete manufacturing; Concrete block and brick manufacturing; Concrete pipe manufacturing; Other concrete product manufacturing; Lime manufacturing; Gypsum product manufacturing; Abrasive product manufacturing; Cut stone and stone product manufacturing; Ground or treated minerals and earths manufacturing; Mineral wool manufacturing; Miscellaneous nonmetallic mineral products

Metal Industries

Iron and steel mills; Ferroalloy and related product manufacturing; Iron- steel pipe and tube from purchased steel; Rolled steel shape manufacturing; Steel wire drawing; Alumina refining; Primary aluminum production; Secondary smelting and alloying of aluminum; Aluminum sheet- plate- and foil manufacturing; Aluminum extruded product manufacturing; Other aluminum rolling and drawing; Primary smelting and refining of copper; Primary nonferrous metal- except copper and aluminum; Copper rolling- drawing- and extruding; Copper wire- except mechanical- drawing; Secondary processing of copper; Nonferrous metal-

Table 1. Aggregation scheme of industry sector groups used for Impact Analysis for Planning (IMPLAN) input-output analysis of furniture industry economic impacts on the Mississippi economy (continued).

except copper and aluminum- shaping; Secondary processing of other nonferrous; Ferrous metal foundries; Aluminum foundries; Nonferrous foundries- except aluminum; Iron and steel forging; Nonferrous forging; Custom roll forming; All other forging and stamping; Cutlery and flatware- except precious- manufacturing; Hand and edge tool manufacturing; Saw blade and handsaw manufacturing; Kitchen utensil- pot- and pan manufacturing; Prefabricated metal buildings and components; Fabricated structural metal manufacturing; Plate work manufacturing; Metal window and door manufacturing; Sheet metal work manufacturing; Ornamental and architectural metal work manufacturing; Power boiler and heat exchanger manufacturing; Metal tank- heavy gauge- manufacturing; Metal can- box- and other container manufacturing; Hardware manufacturing; Spring and wire product manufacturing; Machine shops; Turned product and screw- nut- and bolt manufacturing; Metal heat treating; Metal coating and nonprecious engraving; Electroplating- anodizing- and coloring metal; Metal valve manufacturing; Ball and roller bearing manufacturing; Small arms manufacturing; Other ordnance and accessories manufacturing; Fabricated pipe and pipe fitting manufacturing; Industrial pattern manufacturing; Enameled iron and metal sanitary ware manufacturing; Miscellaneous fabricated metal product manufacturing; Ammunition manufacturing

Machinery and Equipment

Construction machinery manufacturing; Mining machinery and equipment manufacturing; Oil and gas field machinery and equipment; Sawmill and woodworking machinery; Plastics and rubber industry machinery; Paper industry machinery manufacturing; Textile machinery manufacturing; Printing machinery and equipment manufacturing; Food product machinery manufacturing; Semiconductor machinery manufacturing; All other industrial machinery manufacturing; Office machinery manufacturing; Optical instrument and lens manufacturing; Other commercial and service industry machinery ma; Automatic vending- commercial laundry and dry-clean; Air purification equipment manufacturing; Industrial and commercial fan and blower manufacturing; Heating equipment- except warm air furnaces; AC- refrigeration- and forced air heating; Industrial mold manufacturing; Metal cutting machine tool manufacturing; Metal forming machine tool manufacturing; Special tool- die- jig- and fixture manufacturing; Cutting tool and machine tool accessory manufacturing; Rolling mill and other metalworking machinery; Turbine and turbine generator set units manufacturing; Other engine equipment manufacturing; Speed changers and mechanical power transmission e; Pump and pumping equipment manufacturing; Air and gas compressor manufacturing; Measuring and dispensing pump manufacturing; Elevator and moving stairway manufacturing; Conveyor and conveying equipment manufacturing; Overhead cranes- hoists- and monorail systems; Power-driven hand tool manufacturing; Welding and soldering equipment manufacturing; Packaging machinery manufacturing; Industrial process furnace and oven manufacturing; Fluid power cylinder and actuator manufacturing; Fluid power pump and motor manufacturing; Scales- balances- and miscellaneous general purpose; Electric lamp bulb and part manufacturing; Lighting fixture manufacturing; Electric housewares and household fan manufacturing; Household vacuum cleaner manufacturing; Household cooking appliance manufacturing; Household refrigerator and home freezer manufacturing; Household laundry equipment manufacturing; Other major household appliance manufacturing; Electric power and specialty transformer manufacturing; Motor and generator manufacturing; Switchgear and switchboard apparatus manufacturing; Relay and industrial control manufacturing; Storage battery manufacturing; Primary battery manufacturing; Fiber optic cable manufacturing; Other communication and energy wire manufacturing; Wiring device manufacturing; Carbon and graphite product manufacturing; Miscellaneous electrical equipment manufacturing

Table 1. Aggregation scheme of industry sector groups used for Impact Analysis for Planning (IMPLAN) input-output analysis of furniture industry economic impacts on the Mississippi economy (continued).

Technology Industries

Photographic and photocopying equipment manufacturing; Electronic computer manufacturing; Computer storage device manufacturing; Computer terminal manufacturing; Other computer peripheral equipment manufacturing; Telephone apparatus manufacturing; Broadcast and wireless communications equipment; Other communications equipment manufacturing; Audio and video equipment manufacturing; Electron tube manufacturing; Semiconductors and related device manufacturing; All other electronic component manufacturing; Electromedical apparatus manufacturing; Search- detection- and navigation instruments; Automatic environmental control manufacturing; Industrial process variable instruments; Totalizing fluid meters and counting devices; Electricity and signal testing instruments; Analytical laboratory instrument manufacturing; Irradiation apparatus manufacturing; Software reproducing; Audio and video media reproduction; Magnetic and optical recording media manufacturing; Guided missile and space vehicle manufacturing; Military armored vehicles and tank parts manufacturing; Laboratory apparatus and furniture manufacturing; Surgical and medical instrument manufacturing; Surgical appliance and supplies manufacturing; Dental equipment and supplies manufacturing; Ophthalmic goods manufacturing; Dental laboratories

Transportation Equipment

Industrial truck- trailer- and stacker manufacturing; Automobile and light truck manufacturing; Heavy duty truck manufacturing; Motor vehicle body manufacturing; Truck trailer manufacturing; Motor home manufacturing; Travel trailer and camper manufacturing; Motor vehicle parts manufacturing; Aircraft manufacturing; Aircraft engine and engine parts manufacturing; Other aircraft parts and equipment; Propulsion units and parts for space vehicles and; Railroad rolling stock manufacturing; Ship building and repairing; Boat building; Motorcycle- bicycle- and parts manufacturing; All other transportation equipment manufacturing

Wholesale and Retail Trade

Wholesale trade; Warehousing and storage; Motor vehicle and parts dealers; Electronics and appliance stores; Building material and garden supply stores; Food and beverage stores; Health and personal care stores; Gasoline stations; Clothing and clothing accessories stores; Sporting goods- hobby- book and music stores; General merchandise stores; Miscellaneous store retailers; Nonstore retailers; Newspaper publishers; Periodical publishers; Book publishers; Database- directory- and other publishers; Software publishers; Sound recording industries

Transportation and Communication Services

Air transportation; Rail transportation; Water transportation; Truck transportation; Transit and ground passenger transportation; Pipeline transportation; Scenic and sightseeing transportation and support

Government

Postal service; Federal electric utilities; Other Federal Government enterprises; State and local government passenger transit; State and local government electric utilities; Other State and local government enterprises; State & Local Non-Education; Federal Military; Federal Non-Military

Table 1. Aggregation scheme of industry sector groups used for Impact Analysis for Planning (IMPLAN) input-output analysis of furniture industry economic impacts on the Mississippi economy (continued).

Services

Couriers and messengers; Information services; Data processing services; Legal services; Accounting and bookkeeping services; Architectural and engineering services; Specialized design services; Custom computer programming services; Computer systems design services; Other computer related services- including facility; Management consulting services; Environmental and other technical consulting services; Scientific research and development services; Advertising and related services; Photographic services; Veterinary services; All other miscellaneous professional and technical; Management of companies and enterprises; Office administrative services; Facilities support services; Employment services; Business support services; Travel arrangement and reservation services; Investigation and security services; Services to buildings and dwellings; Other support services; Nursing and residential care facilities; Child day care services; Social assistance- except child day care services; Hotels and motels- including casino hotels; Other accommodations; Food services and drinking places; Car washes; Automotive repair and maintenance- except car wash; Electronic equipment repair and maintenance; Commercial machinery repair and maintenance; Household goods repair and maintenance; Personal care services; Death care services; Drycleaning and laundry services; Other personal services; Religious organizations; Grantmaking and giving and social advocacy organizations; Civic- social- professional and similar organization; Private households

Recreation and Amusement

Motion picture and video industries; Performing arts companies; Spectator sports; Independent artists- writers- and performers; Promoters of performing arts and sports and agents; Museums- historical sites- zoos- and parks; Fitness and recreational sports centers; Bowling centers; Other amusement- gambling- and recreation industry

Domestic Services

Radio and television broadcasting; Cable networks and program distribution; Telecommunications; Automotive equipment rental and leasing; Video tape and disc rental; Machinery and equipment rental and leasing; General and consumer goods rental except video tape; Lessors of nonfinancial intangible assets

Financial and Real Estate

Nondepository credit intermediation and related a; Securities- commodity contracts- investments; Insurance carriers; Insurance agencies- brokerages- and related; Funds- trusts- and other financial vehicles; Monetary authorities and depository credit intermediation; Real estate

Education

Elementary and secondary schools; Colleges- universities- and junior colleges; Other educational services; State & Local Education

Health Services

Home health care services; Offices of physicians- dentists- and other health; Other ambulatory health care services; Hospitals

Balance

Noncomparable imports; Scrap; Used and secondhand goods; Rest of the world adjustment to final uses; Inventory valuation adjustment; Owner-occupied dwellings

Table 2. Direct impacts on Mississippi employment, wages, output, and value-added derived from 31 aggregated industrial sectors of the Mississippi economy, 2006.

Model Sectors (Aggregated)	Employment (Full and Part- Time Jobs)	Wages and Salaries (\$ Millions)	Total Industry Output (\$ Millions)	Value- Added (\$ Millions)
Furniture	29,848	1,099.82	3,535.56	1,462.55
Agricultural Products	43,716	214.904	4,223.67	1,357.45
Logging and Miscellaneous Forest Products	6,953	152.837	1,890.01	473.442
Resource Services	9,420	185.855	299.758	196.644
Mining	9,313	388.643	3,560.95	2,070.70
Utility Services	11,333	717.04	3,288.57	2,321.32
Construction	90,717	2,381.71	8,739.70	3,711.10
Agricultural Processing	20,410	615.06	6,049.48	746.906
Farm Inputs and Machinery	2,615	132.783	1,945.96	296.757
Food Processing	5,951	187.51	1,950.25	310.707
Fabric Mills and Leather	573	21.785	106.116	26.429
Solid Wood Products	14,679	594.909	3,295.89	1,144.00
Miscellaneous Manufacturing	15,766	549.091	2,090.95	795.427
Pulp and Paper	5,044	380.815	2,330.17	735.586
Petroleum and Chemicals	14,721	965.992	19,936.03	1,959.12
Foam Product Manufacturing	2,209	81.456	537.522	152.186
Glass, Stone, and Clay	4,696	208.916	1,116.36	414.981
Metal Industries	14,109	669.022	3,865.60	1,107.67
Machinery and Equipment	20,956	1,035.51	6,337.68	1,578.89
Technology Industries	3,938	177.944	3,405.34	203.883
Transportation Equipment	28,345	1,680.40	10,969.99	1,966.86
Wholesale and Retail Trade	220,207	5,962.96	16,872.65	10,966.70
Transportation and Communication Services	37,655	1,382.06	5,092.02	2,239.81
Government	137,387	8,011.62	9,859.19	8,881.06
Services	389,219	8,024.21	22,003.72	11,644.73
Recreation and Amusement	19,978	311.844	1,153.40	573.594
Domestic Services	17,145	650.532	4,042.40	1,734.52
Financial and Real Estate	76,997	1,987.96	10,031.80	6,136.45
Education	162,363	5,383.37	6,287.11	5,899.57
Health Services	77,124	3,537.54	8,102.26	4,914.71
Total	1,493,389	47,694.09	172,920.10	76,023.76

Table 3. Total impacts (direct, indirect, and induced) of the furniture industry on Mississippi employment, wages, output, and value-added derived from 31 aggregated industrial sectors of the Mississippi economy, 2006.

Model Sectors (Aggregated)	Employment (Full and Part- Time Jobs)	Wages and Salaries (\$ Millions)	Total Industry Output (\$ Millions)	Value- Added (\$ Millions)
Furniture	29,848	1,099.82	3,535.56	1,462.55
Services	5283	134.43	343.03	172.89
Wholesale and Retail Trade	4088	145.39	369.64	243.48
Financial and Real Estate	1842	46.10	333.02	241.57
Health Services	1193	67.04	126.95	78.36
Transportation and Communication Services	849	36.00	108.33	48.85
Foam Product Manufacturing	753	28.16	183.16	51.86
Miscellaneous Manufacturing	517	16.64	59.14	27.90
Solid Wood Products	504	20.06	107.53	33.26
Government	381	13.79	40.27	18.56
Recreation and Amusement	361	5.75	19.81	8.69
Education	288	6.07	12.72	6.89
Domestic Services	253	11.54	57.36	23.63
Petroleum and Chemicals	253	12.36	142.66	22.42
Agricultural Products	179	2.62	12.63	3.64
Utility Services	169	11.82	54.20	39.67
Construction	165	5.94	16.06	6.18
Fabric Mills and Leather	161	6.77	33.92	7.90
Logging and Miscellaneous Forest Products	118	4.29	28.12	6.91
Metal Industries	78	3.61	14.75	5.56
Agricultural Processing	72	2.35	24.34	2.94
Resource Services	49	1.22	1.58	1.08
Technology Industries	31	1.30	18.91	1.52
Food Processing	27	0.98	7.31	1.72
Mining	23	2.72	10.69	6.80
Machinery and Equipment	23	1.04	5.73	1.62
Transportation Equipment	15	0.98	11.08	1.27
Glass, Stone, and Clay	13	0.58	2.77	1.10
Pulp and Paper	6	0.38	1.83	0.49
Farm Inputs and Machinery	3	0.13	2.31	0.37
Total	47,546	1,689.89	5,685.42	2,529.66

Table 4. Direct, indirect, and induced impacts of the furniture industry on Mississippi employment derived from 31 aggregated industrial sectors of the Mississippi economy, 2006.

Industry	Direct	Indirect	Induced	Total
Furniture	29,848	0	0	29,848
Services	0	1,998	3,286	5,283
Wholesale and Retail Trade	0	1,549	2,539	4,088
Financial and Real Estate	0	639	1,203	1,842
Health Services	0	0	1,193	1,193
Transportation and Communication Services	0	684	165	849
Foam Product Manufacturing	0	747	6	753
Miscellaneous Manufacturing	0	430	87	517
Solid Wood Products	0	494	9	504
Government	0	192	189	381
Recreation and Amusement	0	100	262	361
Education	0	7	281	288
Petroleum and Chemicals	0	206	48	253
Domestic Services	0	131	122	253
Agricultural Products	0	16	163	179
Utility Services	0	79	90	169
Construction	0	107	59	165
Fabric Mills and Leather	0	159	3	161
Logging and Miscellaneous Forest Products	0	117	1	118
Metal Industries	0	75	3	78
Agricultural Processing	0	3	69	72
Resource Services	0	37	12	49
Technology Industries	0	14	17	31
Food Processing	0	1	25	27
Mining	0	12	12	23
Machinery and Equipment	0	13	10	23
Transportation Equipment	0	3	12	15
Glass, Stone, and Clay	0	9	4	13
Pulp and Paper	0	5	1	6
Farm Inputs and Machinery	0	1	2	3
Total	29,848	7,828	9,870	47,546

Table 5. Direct, indirect, and induced impacts of the furniture industry on Mississippi wages (\$ Millions) derived from 31 aggregated industrial sectors of the Mississippi economy, 2006.

Industry	Direct	Indirect	Induced	Total
Furniture	1099.82	0.00	0.00	1099.82
Wholesale and Retail Trade	0.00	74.29	71.10	145.39
Services	0.00	66.66	67.77	134.43
Health Services	0.00	0.01	67.03	67.04
Financial and Real Estate	0.00	18.39	27.71	46.10
Transportation and Communication Services	0.00	29.19	6.81	36.00
Foam Product Manufacturing	0.00	27.94	0.22	28.16
Solid Wood Products	0.00	19.71	0.36	20.06
Miscellaneous Manufacturing	0.00	13.95	2.69	16.64
Government	0.00	7.48	6.30	13.79
Petroleum and Chemicals	0.00	9.59	2.77	12.36
Utility Services	0.00	5.58	6.25	11.82
Domestic Services	0.00	6.29	5.25	11.54
Fabric Mills and Leather	0.00	6.68	0.09	6.77
Education	0.00	0.18	5.90	6.07
Construction	0.00	3.82	2.12	5.94
Recreation and Amusement	0.00	1.02	4.73	5.75
Logging and Miscellaneous Forest Products	0.00	4.25	0.04	4.29
Metal Industries	0.00	3.48	0.13	3.61
Mining	0.00	1.37	1.35	2.72
Agricultural Products	0.00	0.17	2.45	2.62
Agricultural Processing	0.00	0.09	2.25	2.35
Technology Industries	0.00	0.59	0.71	1.30
Resource Services	0.00	0.97	0.25	1.22
Machinery and Equipment	0.00	0.60	0.44	1.04
Food Processing	0.00	0.05	0.93	0.98
Transportation Equipment	0.00	0.20	0.77	0.98
Glass, Stone, and Clay	0.00	0.43	0.15	0.58
Pulp and Paper	0.00	0.34	0.04	0.38
Farm Inputs and Machinery	0.00	0.05	0.08	0.13
Total	1099.82	303.37	286.71	1689.89

Table 6. Direct, indirect, and induced impacts of the furniture industry on Mississippi output (\$ Millions) by aggregated industrial sectors of the Mississippi economy, 2006.

Industry	Direct	Indirect	Induced	Total
Furniture	3,535.56	0.00	0.00	3,535.56
Wholesale and Retail Trade	0.00	191.65	177.99	369.64
Services	0.00	171.17	171.86	343.03
Financial and Real Estate	0.00	77.16	255.86	333.02
Foam Product Manufacturing	0.00	181.73	1.44	183.16
Petroleum and Chemicals	0.00	86.88	55.78	142.66
Health Services	0.00	0.03	126.91	126.95
Transportation and Communication Services	0.00	86.82	21.50	108.33
Solid Wood Products	0.00	105.87	1.67	107.53
Miscellaneous Manufacturing	0.00	47.61	11.53	59.14
Domestic Services	0.00	30.76	26.60	57.36
Utility Services	0.00	25.78	28.62	54.20
Government	0.00	21.00	19.27	40.27
Fabric Mills and Leather	0.00	33.51	0.42	33.92
Logging and Miscellaneous Forest Products	0.00	27.83	0.29	28.12
Agricultural Processing	0.00	1.32	23.02	24.34
Recreation and Amusement	0.00	5.33	14.48	19.81
Technology Industries	0.00	6.06	12.85	18.91
Construction	0.00	10.58	5.48	16.06
Metal Industries	0.00	14.16	0.58	14.75
Education	0.00	0.39	12.33	12.72
Agricultural Products	0.00	0.83	11.80	12.63
Transportation Equipment	0.00	1.13	9.95	11.08
Mining	0.00	5.40	5.29	10.69
Food Processing	0.00	0.37	6.95	7.31
Machinery and Equipment	0.00	2.78	2.95	5.73
Glass, Stone, and Clay	0.00	2.19	0.58	2.77
Farm Inputs and Machinery	0.00	1.06	1.25	2.31
Pulp and Paper	0.00	1.61	0.22	1.83
Resource Services	0.00	1.19	0.39	1.58
Total	3,535.56	1,141.99	1,007.86	5,685.42

Table 7. Direct, indirect, and induced impacts of the furniture industry on Mississippi value-added (\$ Millions) derived from 31 aggregated industrial sectors of the Mississippi economy, 2006.

Industry	Direct	Indirect	Induced	Total
Furniture	1,462.55	0.00	0.00	1,462.55
Wholesale and Retail Trade	0.00	127.93	115.55	243.48
Financial and Real Estate	0.00	48.22	193.35	241.57
Services	0.00	86.95	85.94	172.89
Health Services	0.00	0.02	78.35	78.36
Foam Product Manufacturing	0.00	51.45	0.41	51.86
Transportation and Communication Services	0.00	39.49	9.36	48.85
Utility Services	0.00	18.59	21.07	39.67
Solid Wood Products	0.00	32.69	0.57	33.26
Miscellaneous Manufacturing	0.00	24.12	3.78	27.90
Domestic Services	0.00	12.24	11.38	23.63
Petroleum and Chemicals	0.00	16.61	5.81	22.42
Government	0.00	10.03	8.53	18.56
Recreation and Amusement	0.00	1.33	7.35	8.69
Fabric Mills and Leather	0.00	7.79	0.11	7.90
Logging and Miscellaneous Forest Products	0.00	6.84	0.07	6.91
Education	0.00	0.21	6.68	6.89
Mining	0.00	3.43	3.37	6.80
Construction	0.00	4.01	2.17	6.18
Metal Industries	0.00	5.37	0.19	5.56
Agricultural Products	0.00	0.23	3.41	3.64
Agricultural Processing	0.00	0.13	2.81	2.94
Food Processing	0.00	0.08	1.64	1.72
Machinery and Equipment	0.00	0.81	0.81	1.62
Technology Industries	0.00	0.65	0.87	1.52
Transportation Equipment	0.00	0.24	1.03	1.27
Glass, Stone, and Clay	0.00	0.86	0.24	1.10
Resource Services	0.00	0.86	0.22	1.08
Pulp and Paper	0.00	0.43	0.07	0.49
Farm Inputs and Machinery	0.00	0.17	0.20	0.37
Total	1,462.55	501.81	565.31	2,529.66



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