1. Appendix to Exchange Rates and Jobs: What Do We Learn From Job Flows?

SIC codes for tradable and nontradable industries.

This appendix reports the 4-digit SIC codes of the traded and non-traded industries. For each four digit industry, Tables 12 and 13 report the average import penetration and export share (last two columns). The table also reports the average employment share of the nontradable, exporters and import-competing industries at the one and two digit levels (bold numbers in the labor share column) as well as the decomposition of the total labor force in each sector by industry. For instance, 28% of Instruments (SIC 38) employment is in export industries and 4.06% in import-competing industries. Conversely, Instruments represents about 2.06% of Import-competing employment and 8% of Exporters’ employment. This last number is obtained by summing the appropriate 4-digit labor shares (1.43% + 4.17% + 2.31%).
### Table 12: Nondurables SIC codes, sector classification, exposure and labor share.

**Source:** LRD, NBER Trade database and author’s calculations

<table>
<thead>
<tr>
<th>Code</th>
<th>Sector</th>
<th>NonTraded Export</th>
<th>Import Comp. Export</th>
<th>Import Pen. Share</th>
<th>Export Share</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>NONDURABLE GOODS</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Food and Kindred Products</td>
<td>22.94% 21.4% 5.41%</td>
<td>52.05% 2.63% 2.51%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2016</td>
<td>Poultry dressing plants</td>
<td>7.02%</td>
<td>0.18%</td>
<td>2.97%</td>
<td></td>
</tr>
<tr>
<td>2017</td>
<td>Poultry and egg processing</td>
<td>1.18%</td>
<td>0.19%</td>
<td>2.97%</td>
<td></td>
</tr>
<tr>
<td>2022</td>
<td>Cheese, natural and processed</td>
<td>1.87%</td>
<td>3.50%</td>
<td>0.23%</td>
<td></td>
</tr>
<tr>
<td>2024</td>
<td>Ice cream and frozen desserts</td>
<td>0.97%</td>
<td>0.01%</td>
<td>0.11%</td>
<td></td>
</tr>
<tr>
<td>2026</td>
<td>Fluid milk</td>
<td>3.12%</td>
<td>0.05%</td>
<td>0.11%</td>
<td></td>
</tr>
<tr>
<td>2032</td>
<td>Canned specialties</td>
<td>1.68%</td>
<td>0.47%</td>
<td>0.97%</td>
<td></td>
</tr>
<tr>
<td>2034</td>
<td>Dried and dehydrated fruits, vegetables and soup mixes</td>
<td>1.00%</td>
<td>5.13%</td>
<td>16.25%</td>
<td></td>
</tr>
<tr>
<td>2038</td>
<td>Frozen specialties</td>
<td>2.69%</td>
<td>0.74%</td>
<td>0.42%</td>
<td></td>
</tr>
<tr>
<td>2044</td>
<td>Rice milling</td>
<td>0.36%</td>
<td>1.65%</td>
<td>52.40%</td>
<td></td>
</tr>
<tr>
<td>2048</td>
<td>Prepared feeds and feed ingredients for animals and fowls, not elsewhere classified</td>
<td>1.68%</td>
<td>0.41%</td>
<td>2.34%</td>
<td></td>
</tr>
<tr>
<td>2051</td>
<td>Bread and other bakery products, except cookies and crackers</td>
<td>7.51%</td>
<td>0.74%</td>
<td>0.26%</td>
<td></td>
</tr>
<tr>
<td>2052</td>
<td>Cookies and crackers</td>
<td>2.68%</td>
<td>0.75%</td>
<td>0.26%</td>
<td></td>
</tr>
<tr>
<td>2075</td>
<td>Soybean oil mills</td>
<td>0.57%</td>
<td>0.08%</td>
<td>18.09%</td>
<td></td>
</tr>
<tr>
<td>2076</td>
<td>Vegetable oil mills, except corn, cottonseed, and soybean</td>
<td>0.08%</td>
<td>9.66%</td>
<td>34.44%</td>
<td></td>
</tr>
<tr>
<td>2077</td>
<td>Animal and marine fats and oils</td>
<td>0.76%</td>
<td>3.40%</td>
<td>33.10%</td>
<td></td>
</tr>
<tr>
<td>2082</td>
<td>Malt beverages</td>
<td>2.38%</td>
<td>0.78%</td>
<td>0.48%</td>
<td></td>
</tr>
<tr>
<td>2084</td>
<td>Bottled and canned soft drinks and carbonated waters</td>
<td>3.38% 1.32%</td>
<td>0.47%</td>
<td>0.32%</td>
<td></td>
</tr>
<tr>
<td>2091</td>
<td>Canned and fried fish and seafoods</td>
<td>1.99%</td>
<td>0.00%</td>
<td>19.24%</td>
<td></td>
</tr>
<tr>
<td>2097</td>
<td>Manufactured ice</td>
<td>0.23%</td>
<td>0.68%</td>
<td>0.20%</td>
<td></td>
</tr>
<tr>
<td>2098</td>
<td>Macaroni, spaghetti, vermicelli, and noodles</td>
<td>0.42%</td>
<td>5.20%</td>
<td>0.41%</td>
<td></td>
</tr>
<tr>
<td>2141</td>
<td>Tobacco stemming and redrying</td>
<td>0.55%</td>
<td>0.00%</td>
<td>0.80%</td>
<td></td>
</tr>
<tr>
<td>2145</td>
<td>Tobacco Manufactures</td>
<td>2.13%</td>
<td>0.78%</td>
<td>0.48%</td>
<td></td>
</tr>
<tr>
<td>2279</td>
<td>Carpets and rugs, not elsewhere classified</td>
<td>0.20%</td>
<td>53.29%</td>
<td>3.60%</td>
<td></td>
</tr>
<tr>
<td>2298</td>
<td>Cordage and twine</td>
<td>0.74%</td>
<td>22.62%</td>
<td>4.37%</td>
<td></td>
</tr>
<tr>
<td>2299</td>
<td>Textile goods, not elsewhere classified</td>
<td>0.52%</td>
<td>48.40%</td>
<td>16.78%</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Apparel and other textile product</td>
<td>2.34% 2.02%</td>
<td>35.07%</td>
<td>0.01%</td>
<td></td>
</tr>
<tr>
<td>2381</td>
<td>Dress and work gloves, except knit and all-leather</td>
<td>0.96%</td>
<td>43.41%</td>
<td>5.82%</td>
<td></td>
</tr>
<tr>
<td>2385</td>
<td>Raincoats and other waterproof outer garments</td>
<td>1.19%</td>
<td>44.31%</td>
<td>5.52%</td>
<td></td>
</tr>
<tr>
<td>2386</td>
<td>Leather and sheep lined clothing</td>
<td>0.65%</td>
<td>60.55%</td>
<td>9.77%</td>
<td></td>
</tr>
<tr>
<td>2396</td>
<td>Automotive trimmings, apparel findings, and related products machine embroideries</td>
<td>1.79%</td>
<td>0.52%</td>
<td>0.41%</td>
<td></td>
</tr>
<tr>
<td>2911</td>
<td>Paper and allied products</td>
<td>29.12% 23.04%</td>
<td>35.07%</td>
<td>50.69%</td>
<td></td>
</tr>
<tr>
<td>2611</td>
<td>Pulp mills</td>
<td>1.09% 1.42%</td>
<td>35.07%</td>
<td>50.69%</td>
<td></td>
</tr>
<tr>
<td>2621</td>
<td>Paper papers, except building paper mills</td>
<td>1.24%</td>
<td>15.83%</td>
<td>4.65%</td>
<td></td>
</tr>
<tr>
<td>2642</td>
<td>Envelopes</td>
<td>1.54%</td>
<td>0.14%</td>
<td>0.34%</td>
<td></td>
</tr>
<tr>
<td>2651</td>
<td>Folding paperboard boxes</td>
<td>2.68%</td>
<td>0.28%</td>
<td>0.69%</td>
<td></td>
</tr>
<tr>
<td>2652</td>
<td>Set-up paperboard boxes</td>
<td>0.88%</td>
<td>0.28%</td>
<td>2.68%</td>
<td></td>
</tr>
<tr>
<td>2653</td>
<td>Corrugated and solid fiber boxes</td>
<td>5.86%</td>
<td>0.28%</td>
<td>0.79%</td>
<td></td>
</tr>
<tr>
<td>2711</td>
<td>Newspapers: publishing, publishing and printing</td>
<td>54.17% 12.17%</td>
<td>0.24%</td>
<td>0.06%</td>
<td></td>
</tr>
<tr>
<td>2721</td>
<td>Periodicals: publishing, publishing and printing</td>
<td>1.11%</td>
<td>0.60%</td>
<td>2.85%</td>
<td></td>
</tr>
<tr>
<td>2741</td>
<td>Miscellaneous publishing</td>
<td>1.45%</td>
<td>0.97%</td>
<td>0.54%</td>
<td></td>
</tr>
<tr>
<td>2761</td>
<td>Manifold business forms</td>
<td>3.09%</td>
<td>1.52%</td>
<td>0.11%</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Chemicals and allied products</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2819</td>
<td>Industrial inorganic chemicals, not elsewhere classified</td>
<td>11.83% 1.65%</td>
<td>13.54%</td>
<td>19.57%</td>
<td></td>
</tr>
<tr>
<td>2822</td>
<td>Synthetic rubber (vulcanizable elastomers)</td>
<td>0.67%</td>
<td>8.39%</td>
<td>21.50%</td>
<td></td>
</tr>
<tr>
<td>2833</td>
<td>Medicinal chemicals and botanical products</td>
<td>0.72% 0.95%</td>
<td>29.42%</td>
<td>49.95%</td>
<td></td>
</tr>
<tr>
<td>2999</td>
<td>Petroleum and coal products, not elsewhere classified</td>
<td>1.10%</td>
<td>4.62%</td>
<td>53.58%</td>
<td></td>
</tr>
<tr>
<td>3021</td>
<td>Rubber and plastics footwear</td>
<td>2.75%</td>
<td>42.81%</td>
<td>4.11%</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Leather and leather goods</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3143</td>
<td>Men's footwear, except athletic</td>
<td>5.09%</td>
<td>26.52%</td>
<td>2.59%</td>
<td></td>
</tr>
<tr>
<td>3144</td>
<td>Women's footwear, except athletic</td>
<td>5.48%</td>
<td>46.69%</td>
<td>1.50%</td>
<td></td>
</tr>
<tr>
<td>3145</td>
<td>Footwear, except rubber, not elsewhere classified</td>
<td>2.18%</td>
<td>65.24%</td>
<td>8.99%</td>
<td></td>
</tr>
<tr>
<td>3151</td>
<td>Leather gloves and mittens</td>
<td>0.50%</td>
<td>23.99%</td>
<td>5.65%</td>
<td></td>
</tr>
<tr>
<td>3171</td>
<td>Women’s handbags and purses</td>
<td>1.73%</td>
<td>45.83%</td>
<td>2.41%</td>
<td></td>
</tr>
<tr>
<td>Code</td>
<td>NonTraded Export</td>
<td>Import Comp. Export</td>
<td>Import Pen.</td>
<td>Export Share</td>
<td></td>
</tr>
<tr>
<td>-------</td>
<td>------------------</td>
<td>---------------------</td>
<td>-------------</td>
<td>--------------</td>
<td></td>
</tr>
<tr>
<td>2411</td>
<td>Logging camps and logging contractors</td>
<td>4.23%</td>
<td>12.54%</td>
<td>3.22%</td>
<td></td>
</tr>
<tr>
<td>2435</td>
<td>Hardwood veneer and plywood</td>
<td>5.14%</td>
<td>2.11%</td>
<td>6.45%</td>
<td></td>
</tr>
<tr>
<td>2441</td>
<td>Nailed and lock corner wood boxes and shooks</td>
<td>0.54%</td>
<td>0.94%</td>
<td>0.49%</td>
<td></td>
</tr>
<tr>
<td>2448</td>
<td>Wood pallets and skids</td>
<td>1.54%</td>
<td>2.11%</td>
<td>0.77%</td>
<td></td>
</tr>
<tr>
<td>2515</td>
<td>Mattresses and bedsprings</td>
<td>1.54%</td>
<td>32.12%</td>
<td>4.27%</td>
<td></td>
</tr>
<tr>
<td>3251</td>
<td>Brick and structural clay tile</td>
<td>1.25%</td>
<td>6.75%</td>
<td>0.65%</td>
<td></td>
</tr>
<tr>
<td>3253</td>
<td>Ceramic wall and floor tile</td>
<td>0.81%</td>
<td>32.35%</td>
<td>1.73%</td>
<td></td>
</tr>
<tr>
<td>3262</td>
<td>Vitreous china table and kitchen articles</td>
<td>0.64%</td>
<td>43.79%</td>
<td>5.92%</td>
<td></td>
</tr>
<tr>
<td>3269</td>
<td>Pottery products, not elsewhere classified</td>
<td>0.99%</td>
<td>51.90%</td>
<td>12.22%</td>
<td></td>
</tr>
<tr>
<td>3271</td>
<td>Concrete block and brick</td>
<td>0.96%</td>
<td>0.46%</td>
<td>0.10%</td>
<td></td>
</tr>
<tr>
<td>3272</td>
<td>Concrete products, except block and brick</td>
<td>3.55%</td>
<td>0.46%</td>
<td>0.34%</td>
<td></td>
</tr>
<tr>
<td>3273</td>
<td>Ready-mixed concrete</td>
<td>4.75%</td>
<td>0.01%</td>
<td>0.00%</td>
<td></td>
</tr>
<tr>
<td>3313</td>
<td>Electrometallurgical products</td>
<td>0.65%</td>
<td>37.33%</td>
<td>6.85%</td>
<td></td>
</tr>
<tr>
<td>3333</td>
<td>Primary smelting and refining of zinc</td>
<td>0.32%</td>
<td>48.08%</td>
<td>1.04%</td>
<td></td>
</tr>
<tr>
<td>3339</td>
<td>Primary smelting and refining of nonferrous metals, not elsewhere classified</td>
<td>0.79%</td>
<td>56.59%</td>
<td>67.42%</td>
<td></td>
</tr>
<tr>
<td>3341</td>
<td>Secondary smelting and refining of nonferrous metals</td>
<td>1.49%</td>
<td>27.79%</td>
<td>15.21%</td>
<td></td>
</tr>
<tr>
<td>3411</td>
<td>Metal cans</td>
<td>3.55%</td>
<td>37.14%</td>
<td>1.90%</td>
<td></td>
</tr>
<tr>
<td>3419</td>
<td>Internal combustion engines, not elsewhere classified</td>
<td>5.22%</td>
<td>11.60%</td>
<td>20.84%</td>
<td></td>
</tr>
<tr>
<td>3519</td>
<td>Construction machinery and equipment</td>
<td>8.23%</td>
<td>8.07%</td>
<td>32.06%</td>
<td></td>
</tr>
<tr>
<td>3532</td>
<td>Mining machinery and equipment, except oil field machinery and equipment</td>
<td>1.31%</td>
<td>8.07%</td>
<td>22.99%</td>
<td></td>
</tr>
<tr>
<td>3533</td>
<td>Oil field machinery and equipment</td>
<td>3.22%</td>
<td>8.07%</td>
<td>55.07%</td>
<td></td>
</tr>
<tr>
<td>3542</td>
<td>Machine tools, metal forming types</td>
<td>1.31%</td>
<td>9.91%</td>
<td>27.04%</td>
<td></td>
</tr>
<tr>
<td>3547</td>
<td>Rolling mill machinery and equipment</td>
<td>0.42%</td>
<td>11.78%</td>
<td>24.95%</td>
<td></td>
</tr>
<tr>
<td>3552</td>
<td>Textile machinery</td>
<td>1.48%</td>
<td>8.07%</td>
<td>27.77%</td>
<td></td>
</tr>
<tr>
<td>3563</td>
<td>Air and gas compressors</td>
<td>1.58%</td>
<td>18.00%</td>
<td>21.17%</td>
<td></td>
</tr>
<tr>
<td>3573</td>
<td>Electronic computing equipment</td>
<td>10.22%</td>
<td>14.09%</td>
<td>28.09%</td>
<td></td>
</tr>
<tr>
<td>3574</td>
<td>Calculating and accounting machines, except electronic computing equipment</td>
<td>1.05%</td>
<td>31.34%</td>
<td>17.77%</td>
<td></td>
</tr>
<tr>
<td>3636</td>
<td>Sewing machines</td>
<td>0.35%</td>
<td>0.46%</td>
<td>53.79%</td>
<td>46.11%</td>
</tr>
<tr>
<td>3651</td>
<td>Radio and television receiving except communication</td>
<td>5.62%</td>
<td>47.80%</td>
<td>13.38%</td>
<td></td>
</tr>
<tr>
<td>3674</td>
<td>Semiconductors and related devices</td>
<td>7.41%</td>
<td>24.87%</td>
<td>30.71%</td>
<td></td>
</tr>
<tr>
<td>3693</td>
<td>X-Ray Equipment</td>
<td>1.56%</td>
<td>15.88%</td>
<td>27.31%</td>
<td></td>
</tr>
<tr>
<td>3711</td>
<td>Motor vehicles and passenger car bodies</td>
<td>30.87%</td>
<td>23.38%</td>
<td>7.82%</td>
<td></td>
</tr>
<tr>
<td>3713</td>
<td>Truck and bus bodies</td>
<td>4.17%</td>
<td>23.38%</td>
<td>7.82%</td>
<td></td>
</tr>
<tr>
<td>3721</td>
<td>Aircraft</td>
<td>12.60%</td>
<td>3.56%</td>
<td>30.84%</td>
<td></td>
</tr>
<tr>
<td>3724</td>
<td>Aircraft engines and engine parts</td>
<td>6.73%</td>
<td>6.43%</td>
<td>18.90%</td>
<td></td>
</tr>
<tr>
<td>3728</td>
<td>Aircraft parts and auxiliary equipment, not elsewhere classified</td>
<td>7.73%</td>
<td>9.10%</td>
<td>39.09%</td>
<td></td>
</tr>
<tr>
<td>3731</td>
<td>Ship building and repairing</td>
<td>9.59%</td>
<td>0.00%</td>
<td>4.77%</td>
<td></td>
</tr>
<tr>
<td>3751</td>
<td>Motorcycles, bicycles, and parts</td>
<td>1.27%</td>
<td>52.75%</td>
<td>10.85%</td>
<td></td>
</tr>
<tr>
<td>3823</td>
<td>Industrial instruments for measurement, display, and control of process variables</td>
<td>28.00%</td>
<td>8.51%</td>
<td>20.24%</td>
<td></td>
</tr>
<tr>
<td>3825</td>
<td>Instruments for measuring and testing of electricity and electrical signals</td>
<td>4.17%</td>
<td>8.50%</td>
<td>25.16%</td>
<td></td>
</tr>
<tr>
<td>3859</td>
<td>Measuring and controlling devices, not elsewhere classified</td>
<td>1.43%</td>
<td>8.50%</td>
<td>47.84%</td>
<td></td>
</tr>
<tr>
<td>3873</td>
<td>Watches, clocks, clockwork operated devices, and parts</td>
<td>2.06%</td>
<td>43.37%</td>
<td>8.71%</td>
<td></td>
</tr>
<tr>
<td>3911</td>
<td>Jewelry, precious metal</td>
<td>2.87%</td>
<td>42.68%</td>
<td>6.58%</td>
<td></td>
</tr>
<tr>
<td>3914</td>
<td>Silverware, plated ware, and stainless steel ware</td>
<td>0.84%</td>
<td>22.95%</td>
<td>7.39%</td>
<td></td>
</tr>
<tr>
<td>3915</td>
<td>Jewelers' findings and materials, and lapidary work</td>
<td>0.43%</td>
<td>43.11%</td>
<td>66.05%</td>
<td></td>
</tr>
<tr>
<td>3942</td>
<td>Dolls</td>
<td>0.65%</td>
<td>57.03%</td>
<td>6.40%</td>
<td></td>
</tr>
<tr>
<td>3962</td>
<td>Feathers, plumes, and artificial trees and flowers</td>
<td>0.40%</td>
<td>37.35%</td>
<td>4.22%</td>
<td></td>
</tr>
<tr>
<td>3993</td>
<td>Signs and advertising displays</td>
<td>2.87%</td>
<td>0.33%</td>
<td>1.04%</td>
<td></td>
</tr>
</tbody>
</table>