

SIC87dd Industries: The 397 Industry and 392 Industry Panels

David Dorn, August 2015

The Standard Industrial Classification of 1987 comprises 459 four-digit manufacturing industries (*sic87* codes 2011 through 3999). In Autor, Dorn and Hanson (2013), we observe trade flows for 6-digit HS product categories, and match each HS code to the industry that is considered the main manufacturer of that product. In some cases, an HS code plausibly overlaps with multiple manufacturing industries. However, since the HS-SIC mapping assigns each HS code to only one SIC code, these cases can lead to a data artifact where some tradable SIC industries have zero trade because they were not the main industry for any HS code.

The *sic87dd* industry classification avoids this problem by aggregating *sic87* codes to a **panel of 397 four-digit *sic87dd* manufacturing industries**, which each map to at least one HS product code. The 397 *sic87dd* manufacturing industries are used to compute trade exposure in Autor, Dorn and Hanson (2013).

In Acemoglu, Autor, Dorn, Hanson and Price (2015), we combine trade data with longitudinal industry data from the County Business Patterns, the NBER-CES Manufacturing Productivity Database, and with the 1992 BEA Industry Input-Output Table. To facilitate the matching between these data sets, we further aggregated the 397 industry panel to an adjusted **panel of 392 four-digit *sic87dd* manufacturing industries**, as detailed below:

- (1) Industry 2067 (chewing gum) is merged into industry 2064 (candy) because these industries are merged in the CBP data.*
- (2) Industry 3292 (asbestos products) is merged into industry 3299 (nonmetallic mineral products, nec) because 3292 is no longer reported in the NBER-CES data after 1991.*
- (3) Industry 2253 (knit outerwear mills) is merged into industry 2257 (weft knit fabric mills) and industry 3341 (secondary nonferrous metals) is merged into industry 3339 (primary nonferrous metals) because 2253 and 3341 are not reported separately in the BEA I-O Table.*
- (4) Industry 2342 (bras, girdles and allied garments) is merged into industry 2341 (women's and children's underwear) due to changes in trade volumes in opposing directions around the SIC-NAICS seam.*

Seven industries of the 392 industry panel are no longer fully covered in the NBER-CES data after the introduction of NAICS industry codes in 1997. These industries (2411—

logging, 2711—newspapers, 2721—periodicals, 2731—books, 2741—miscellaneous publishing, 2771—greeting cards, 3732—boat building and repairing) and (3299—*nonmetallic mineral products, nec*) are excluded in Table 4 and Table 5 columns 6-9 in Acemoglu, Autor, Dorn, Hanson and Price (2015).

Related publications:

Autor, D., D. Dorn and G. Hanson. 2013. "The China Syndrome: Local Labor Market Effects of Import Competition in the United States." *American Economic Review*, 103(6), 2121-2168.

Acemoglu, D., D. Autor, D. Dorn, G. Hanson and B. Price. 2015. "Import Competition and the Great U.S. Employment Sag of the 2000s." *Journal of Labor Economics*, forthcoming.