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# MATCHING INDUSTRY CLASSIFICATIONS. A METHOD FOR CONVERTING NACE REV.2 TO NACE REV.1

- **Giulio Perani** (ISTAT, EUROSTAT)
- **Valeria Cirillo** (Sapienza University of Rome)

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**Giulio Perani, Valeria Cirillo**

# Matching industry classifications.
# A method for converting Nace Rev.2 to Nace Rev.1

**Abstract**

In 2008, Eurostat updated the Statistical Classification of Economic Activities (NACE) from NACE Rev.1 to NACE Rev.2. Eurostat provided correspondence tables to facilitate conversion between the two coding system at the 4 digit level. However, due to multiple correspondences, there is a need for a more accurate conversion system. This work aims at providing a useful and reliable tool to quickly convert sectoral level data from NACE Rev.2 into NACE Rev.1 through a back-casting procedure. We have developed a conversion matrix where sectoral weights are built on firm level employment data drawn from the ASIA Istat database. The adoption of employment weights to convert sectoral level data requires us to make assumptions on the stability of the economic structure over time and on the comparability between different data sources. We test our conversion matrix on the Community Innovation Surveys (CIS), converting CIS6 (2006-2008) from NACE Rev.2 into NACE Rev.1. In matching CIS6 with previous years, we do not find evidence of structural breaks.

**Sintesi**

Nel 2008 il sistema di classificazione dei settori NACE Rev.2 ha sostituito il precedente NACE Rev.1. Le tavole di corrispondenza fornite da Eurostat consentono di verificare la relazione fra settori nelle due diverse classificazioni. Tuttavia la presenza di corrispondenze multiple fra settori rende necessario un sistema di conversione. Questo lavoro presenta un utile e valido strumento per convertire dati settoriali espressi in NACE Rev.2 in NACE Rev.1 attraverso un'operazione di *back-casting*. È presentata una matrice di conversione con pesi costruiti su dati occupazionali delle imprese italiane estratti dal database ASIA dell'Istat. L'utilizzo di pesi occupazionali per convertire altre tipologie di dati richiede il soddisfacimento di alcune assunzioni, quali la tendenziale stabilità nella struttura occupazionale nel tempo e la comparabilità fra tipologie di dati da convertire. Infine, testiamo la matrice di conversione su dati della *Community Innovation Survey* (CIS6). Nel complesso, confrontando i dati convertiti della CIS6 con le *wave* precedenti non emergono *break* strutturali.

## 1. Introduction

Classifications of activities and products are periodically revised. The transition from NACE 1.1, introduced in 1993, to NACE 2.0 adopted in December 2006 and used from 1 January 2008 onwards, forces statistical agencies to revise business statistics. This reclassification has introduced significant changes in the coding system at the two digit level, which is the one widely used by researchers and adopted also by the Sectoral Innovation Database of the University of Urbino (see Pianta et al., 2015).

The European Statistical Office (Eurostat) provides general correspondence tables matching NACE Rev.1 and NACE Rev.2 sectoral classifications. Detailed information at four digit level is provided at the following link: http://ec.europa.eu/eurostat/web/nace-rev2/correspondence_tables

The general summary of such a correspondence between sections is shown in Table 1.

**Table 1. Correspondence table between sections of NACE Rev 1.1 and NACE Rev. 2**

| NACE Rev. 1.1 | | NACE Rev. 2 | |
|---|---|---|---|
| **Section** | **Description** | **Section** | **Description** |
| **A** | Agriculture, Hunting and Forestry | **A** | Agriculture, Forestry and Fishing |
| **B** | Fishing | | |
| **C** | Mining and quarrying | **B** | Mining and quarrying |
| **D** | Manufacturing | **C** | Manufacturing |
| **E** | Electricity, gas and water supply | **D** | Electricity, gas, steam and air conditioning supply |
| | | **E** | Water supply, sewerage, waste management and remediation activities |
| **F** | Construction | **F** | Construction |
| **G** | Wholesale and retail trade: repair of motor vehicles, motorcycles and personal and household goods | **G** | Wholesale and retail trade; repair of motor vehicles and motorcycles |
| **H** | Hotels and restaurants | **I** | Accommodation and food service activities |
| **I** | Transport, storage and communications | **H** | Transportation and storage |
| | | **J** | Information and communication |
| **J** | Financial intermediation | **K** | Financial and insurance activities |
| **K** | Real estate, renting and business activities | **L** | Real estate activities |
| | | **M** | Professional, scientific and technical activities |
| | | **N** | Administrative and support service activities |
| **L** | Public Administration and defence; compulsory social security | **O** | Public administration and defence; compulsory social security |
| **M** | Education | **P** | Education |

| | | | |
|---|---|---|---|
| **N** | Health and social work | **Q** | Human health and social work activities |
| **O** | Other community, social and personal services activities | **R**<br><br>**S** | Arts, entertainment and recreation<br><br>Other service activities |
| **P** | Activities of private households as employers and undifferentiated production activities of private households | **T** | Activities of households as employers; undifferentiated goods- and services-producing activities of households for own use |
| **Q** | Extraterritorial organizations and bodies | **U** | Activities of extraterritorial organizations and bodies |

However, the detailed tables produced by Eurostat simply report that some units of analysis that were present in one "old" sector have ended up in one or more "new" sectors. In case of multiple correspondences, there is no information on the share of an "old" industry that is transferred to different "new" ones. In other words, the available information does not allow to build a proper conversion matrix. Therefore, it is not possible to convert data from NACE Rev.2 to NACE Rev.1 or viceversa, as users do not know the portion of data expressed in one classification that has to be switched to the new one.

What is needed is a conversion matrix showing the distribution of the number of units in the two classifications. In order to fill this gap, we propose a conversion matrix built on Italian data on firms. The matrix proposed allows the conversion of aggregate data at the two digit level from NACE Rev.2 into NACE Rev.1.

The rest of the paper is organized as follows. Section 2 revises the principal methodologies used for back-casting; section 3 describes the conversion matrix explaining its construction on Italian microdata and its application for conversion of aggregates. Section 4 tests the methodology on *Community Innovation Survey* (CIS6) data, showing correlations with previous waves and testing the presence of structural breaks that would invalidate the conversion procedure. Section 5 concludes.

## 2. Methodologies for back casting procedure

The revision of coding systems can be applied following at least four methods (Buiten et al., 2009). First, using **recoding key** on published series; second, having access to **microdata**; third, through a **transition or conversion matrix**; fourth, combining the micro and macro approaches by estimating benchmarks years with a micro method and interpolating with macro techniques or by back-casting conversion matrices (Buiten et al., 2009, p. 3).

The first method relies on a recoding "key" available at the lowest aggregation level in both classifications. The conversion appears straightforward in case of 1-to-1 or many-to-1 changes from the old to the new classification. This condition is met for high levels of aggregation - such as the total for *Industry* - but it is not possible at the two digit level, that is generally more complex and involves 1-to-many relationships.

In the micro approach, data coded in the new classification are reassigned to each statistical unit in the new classification. As stated by Buiten et al. (2009), this technique does not depend on the relationship between old and new codes, allowing conversion of relations of the type 1-to-many and many-to-many between "old" and "new" classifications. The micro method requires information for each unit on the classification it would have had in terms of the revised classification code. At the moment of the implementation of NACE Rev. 2, this information is available in the business register where a double code for every unit is present.

The macro approach is based on aggregate data allowing a redistribution of data by a conversion matrix containing a set of transition coefficients. In order to create the conversion matrix, a double code is needed for at least one year. The construction of a conversion matrix is based on micro data for the double coded year. Following this last approach, in the next section we describe the conversion matrix built on Italian data.

## 3. The micro/macro approach: the conversion matrix for Italian data

The conversion matrix we present relies on employment data available in double code for 2008 in the *Italian Archive of Businesses of the Italian Statistical Office*, ISTAT[1]. The ASIA (*Archivio Statistico delle Imprese Attive*) archive has a census base containing information on Italian enterprises operating in retail, manufacturing and service sectors. Firms included in the census are those producing for at least six months in a year. The census includes information on firm's economic activity, location, number of workers engaged in the local units at municipal level. Due to the confidentiality of information, the ASIA archive is not public. For the year 2008, ASIA contains information on enterprises registered in both codes, NACE Rev. 1 and NACE Rev.2. Following the same firm in the reference year, we can relocate firm total employment from one sector to another. Different variables can be used to compute "conversion factors" as number of firms, turnover, value added or number of employees. Employment data have long proved to be the most stable indicator of the relevance of industries' economic activity, and we have adopted such variable for calculating

[1] More information on ASIA is available on http://dwcis.istat.it/cis/docs/1-3.htm

conversion weights. The census characteristic of our micro data avoids problems of lack of representativeness.

For the reference year the conversion matrix can be applied to variables other than employment, assuming that they have a similar distribution. If we assume that over time there is a little change in such a relative reassignment of economic units to different industries, we can apply a given conversion matrix also to years other than the reference one. On a case by case basis, the researcher should verify the accuracy of such assumptions.

In order to create the conversion matrix, we follow the above operations:

1. We reassign the employment of each statistical unit – in our case, a firm - from sectors of NACE Rev. 2 to the relevant sectors of NACE Rev.1;
2. We calculate the shares of total employment of sectors of NACE Rev.2 that have to be assigned to NACE Rev.1; conversion weights are expressed as percentages.

More in detail, the frequencies $f_t^1$ of firms in NACE Rev. 1 can be computed from the frequencies $f_t^2$ of firms in NACE Rev. 2 in the double coded year (2008) applying the following formula:

$$f_t^1 = \sum_i p_t^{2,1} * f_t^2 \quad (1)$$

where $0 \leq p_t^{2,1} \leq 1$, being $p_t$ the proportion of businesses in "new" NACE classification transferring to the "old" classification. Generalizing, we have:

$$Y_t^1 = \sum_i p_{Y(t)}^{2,1} * Y_t^2 \quad (2)$$

where $Y_t^2$ is a new variable (employment, value added, turnover, etc.) expressed in NACE Rev.2 and $p_{Y(t)}^{2,1}$ is a set of weights distributing the quantity of Y in NACE Rev.2 over NACE Rev.1.

More simply, in our case considering the total employment of NACE Rev.2 as 1 (or 100%), we obtain in our matrix a set of weights allowing data transformation from one code (NACE Rev. 2) to another (NACE Rev. 1).

The full conversion matrix is shown in Figure 1; each column represents an industry of NACE Rev.2; each row represents an industry of NACE Rev.1. When researchers convert a variable, the

(horizontal) vector of data in NACE Rev.2 has to be multiplied by the conversion matrix, obtaining the (vertical) vector of NACE Rev.1. Problems could arise in presence of missing NACE Rev.2 data, as the multiple correspondence would be incomplete.

A summary of the conversion links, with the full names of industries and main shares of sectors in the conversion from NACE Rev.2 to NACE Rev.1 is provided in Table 2.

The use of the conversion matrix could be clarified through an example. From the matrix in Figure1, the total employment of sector 15 – **Food Products and Beverages** (NACE Rev.1) - will be the sum of 96% of employees from sectors 10 – Manufacture of Food Products (NACE Rev. 2), 97,8 % of employees of sector 11 - Manufacture of Beverages (NACE Rev. 2) and a small fraction – 2% - of employment from sector 20 – Manufacture Of Chemicals And Chemical Products (NACE Rev.2).

For some sectors such as 10 (NACE Rev.1) and 5 (NACE Rev.2) there is a straightforward correspondence, meaning that all activities of sector 10 (Nace Rev. 1) correspond to activities of sector 5 (Nace Rev. 2).

**Table 2 Summary of classification systems and conversion percentages**

| NACE REV.1 | Code | % of NACE REV.2 into NACE REV.1 | Code | NACE REV. 2 |
|---|---|---|---|---|
| Food Products And Beverages | 15 | 96% | 10 | Manufacture Of Food Products |
| Food Products And Beverages | 15 | 98% | 11 | Manufacture Of Beverages |
| Tobacco Products | 16 | 100% | 12 | Manufacture Of Tobacco Products |
| Textiles | 17 | 93% | 13 | Manufacture Of Textiles |
| Wearing Apparel, Dressing And Dying Of Fur | 18 | 81% | 14 | Manufacture Of Wearing Apparel |
| Leather, Leather Products And Footwear | 19 | 98% | 15 | Manufacture Of Leather And Related Products |
| Wood And Products Of Wood And Cork | 20 | 91% | 16 | Manufacture Of Wood And Of Products Of Wood And Cork, Except Furniture; Manufacture Of Articles Of Straw And Plaiting Materials |
| Pulp, Paper And Paper Products | 21 | 95% | 17 | Manufacture Of Paper And Paper Products |
| Printing And Publishing | 22 | 95% | 18 | Printing And Reproduction Of Recorded Media |
| Coke, Refined Petroleum Products And Nuclear Fuel | 23 | 98% | 19 | Manufacture Of Coke And Refined Petroleum Products |
| Chemicals And Chemical Products | 24 | 97% | 20 | Manufacture Of Chemicals And Chemical Products |
| Chemicals And Chemical Products | 24 | 99% | 21 | Manufacture Of Basic Pharmaceutical Products And Pharmaceutical Preparations |
| Rubber And Plastics Products | 25 | 91% | 22 | Manufacture Of Rubber And Plastic Products |
| Other Non-Metallic Mineral Products | 26 | 94% | 23 | Manufacture Of Other Non-Metallic Mineral Products |
| Basic Metals | 27 | 93% | 24 | Manufacture Of Basic Metals |
| Fabricated Metal Products, Except Machinery And Equipment | 28 | 91% | 25 | Manufacture Of Fabricated Metal Products, Except Machinery And Equipment |
| Radio, Television And Communication Equipment; Medical, Precision And Optical Instruments | 32, 33 | 46%, 33% | 26 | Manufacture Of Computer, Electronic And Optical Products |
| Electrical Machinery And Apparatus, Nec | 31 | 63%, 28% | 27 | Manufacture Of Electrical Equipment |

| | | | | |
|---|---|---|---|---|
| Machinery And Equipment, N.E.C. | 29 | 83% | 28 | Manufacture Of Machinery And Equipment N.E.C. |
| Motor Vehicles, Trailers And Semi-Trailers | 34 | 88% | 29 | Manufacture Of Motor Vehicles, Trailers And Semi-Trailers |
| Other Transport Equipment | 35 | 94% | 30 | Manufacture Of Other Transport Equipment |
| Manufacturing Nec | 36 | 89% | 31 | Manufacture Of Furniture |
| Manufacturing Nec; Medical, Precision And Optical Instruments | 36, 33 | 47%, 44% | 32 | Other Manufacturing |
| Machinery And Equipment, N.E.C.; Electrical Machinery And Apparatus, Nec; Fabricated Metal Products, Except Machinery And Equipment | 29, 31, 28 | 32%, 18%, 15% | 33 | Repair And Installation Of Machinery And Equipment |
| Sale, Maintenance And Repair Of Motor Vehicles; Retail Sale Of Fuel | 50 | 97% | 45 | Wholesale And Retail Trade And Repair Of Motor Vehicles And Motorcycles |
| Wholesale, Trade & Commission Excl. Motor Vehicles | 51 | 88% | 46 | Wholesale Trade, Except Of Motor Vehicles And Motorcycles |
| Retail Trade Excl. Motor Vehicles; Repair Of Household Goods | 52 | 93% | 47 | Retail Trade, Except Of Motor Vehicles And Motorcycles |
| Land Transport; Transport Via Pipelines | 60 | 97% | 49 | Land Transport And Transport Via Pipelines |
| Water Transport | 61 | 98% | 50 | Water Transport |
| Air Transport | 62 | 100% | 51 | Air Transport |
| Supporting And Auxiliary Transport Activities | 63 | 88% | 52 | Warehousing And Support Activities For Transportation |
| Post And Telecommunications | 64 | 99% | 53 | Postal And Courier Activities |
| Hotels And Restaurants | 55 | 98%, 94% | 55-56 | Accommodation And Food Service Activities |
| Printing And Publishing | 22 | 91% | 58 | Publishing Activities |
| | 92 | 93% | 59 | Motion Picture, Video And Television Programme Production, Sound Recording And Music Publishing Activities |
| | 92 | 100% | 60 | Programming And Broadcasting Activities |
| Post And Telecommunications | 64 | 97% | 61 | Telecommunications |
| Computer And Related Activities | 72 | 95% | 62 | Computer Programming, Consultancy And Related Activities |
| Computer And Related Activities | 72 | 86% | 63 | Information Service Activities |
| Financial Intermediation Except Insurance And Pension Funding | 65 | 99% | 64 | Financial Service Activities, Except Insurance And Pension Funding |
| Insurance And Pension Funding, Except Compulsory Social Security | 66 | 100% | 65 | Insurance, Reinsurance And Pension Funding, Except Compulsory Social Security |
| Activities Related To Financial Intermediation | 67 | 96% | 66 | Activities Auxiliary To Financial Services And Insurance Activities |
| Real Estate Activities | 70 | 86% | 68 | Real Estate Activities |
| Other Business Activities | 74 | 99% | 69 | Legal And Accounting Activities |
| Other Business Activities | 74 | 87% | 70 | Activities Of Head Offices; Management Consultancy Activities |
| Other Business Activities | 74 | 97% | 71 | Architectural And Engineering Activities; Technical Testing And Analysis |
| Research And Development | 73 | 91% | 72 | Scientific Research And Development |
| Other Business Activities | 74 | 94% | 73 | Advertising And Market Research |
| Other Business Activities | 74 | 87% | 74 | Other Professional, Scientific And Technical Activities |
| | 85 | 100% | 75 | Veterinary Activities |
| Renting Of Machinery And Equipment | 71 | 80% | 77 | Rental And Leasing Activities |
| Other Business Activities | 74 | 100% | 78 | Employment Activities |
| Supporting And Auxiliary Transport Activities | 63 | 93% | 79 | Travel Agency, Tour Operator Reservation Service And Related Activities |
| Other Business Activities | 74 | 99% | 80 | Security And Investigation Activities |
| Other Business Activities | 74 | 93% | 81 | Services To Buildings And Landscape Activities |
| Other Business Activities | 74 | 90% | 82 | Office Administrative, Office Support And Other Business Support Activities |

## 4. An empirical application on *Community Innovation Survey* data

We test the application of the conversion matrix on the 6th wave of the *Community Innovation Survey* codified in NACE Rev.2 in order to obtain data in NACE Rev.1. We draw from the 6th wave of the *Community Innovation Survey* the following variables: R&D expenditure per employee, machinery expenditure per employee, share of firms aiming to reduce labor costs, share of firms aiming to open up new markets, share of firms indicating suppliers as source of innovation, total innovation expenditure per employee, share of firms introducing new products and share of firms introducing new processes. After converting those variables in NACE Rev.1, we compare them with data originally collected in NACE Rev.1 for the 2nd, 3rd and 4th wave of CIS, in order to verify the stability of innovation data over time and detect anomalies across sectors. Tests are carried out using three different measures of correlation, Spearman rank correlation, Kendall rank correlation and Linear correlation. For the Spearman rank correlation we apply the following standard formula:

$$\rho_s = 1 - \frac{6\ \sum_i D_i^2}{N(N^2-1)} \qquad (3)$$

where $\rho_s$ is the Spearman coefficient, $D_i$ is the difference between $r_i$ and $s_i$ being the rank of the first and the second measure of each observation and $N$ is the total number of observations.
For the Kendall's Tau correlation, we rely on the following formula:

$$\tau = \frac{(number\ of\ concordant\ pairs - number\ of\ discordant pairs)}{\frac{1}{2}n\ (n-1)} \qquad (4)$$

Any pair of observations $(x_i, y_i)$ and $(x_j, y_j)$ are said to be concordant if the ranks for both elements is $x_i > x_j$ and $y_i > y_j$ or if both $x_i < x_j$ and $y_i < y_j$. They are said to be discordant, if $x_i > x_j$ and $y_i < y_j$ or if $x_i < x_j$ and $y_i > y_j$. If $x_i = x_j$ or $y_i = y_j$ , the pair is neither concordant nor discordant.
The results of the three tests comparing CIS6 separately with CIS2, CIS3 and CIS4 confirm the stability of the distributions. Correlations are all significant and positive (>0.60); however, when we compute correlations between waves some innovation variables appear more stable than others, as a result of the changes in innovative efforts themselves. Overall, CIS6 is highly correlated with the previous ones underlying an absence of structural breaks by sectors over time. The conversion procedure therefore performs well.

## 5. Conclusion

After briefly discussing the main methodological questions relevant for reclassifying industry data, we have developed a conversion matrix at the 2 digit level that can be used to reclassify Nace Rev.2. economic variables of recent surveys to the previous NACE Rev.1 classification for which long time series are available. The matrix is based on microdata on sectoral employment in Italy for a reference year (2008). Under specific assumptions, it is possible to extend its application to other variables and countries. A test on CIS innovation variables confirms the stability of the results. The methodology presented here has been adopted for the construction of the Sectoral Innovation Database of the University of Urbino, with a coherent time series based on the NACE Rev.1 classification.

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**Figure 1. Transition matrix on Employment data (2008) – column: NACE Rev.2 – row: NACE Rev.1**

| NACE REV. 1 \ NACE REV. 2 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | 100% | | | | | | | | | | | | | | 0.008% | | | | | | | | | | | |
| 11 | | 100% | | | 100% | | | | | | | | | | | | | | | | | | | | | |
| 13 | | | 84.174% | | | | | | | | | | | | | | | | | | | | | | | |
| 14 | | | 1.978% | 9.1% | | 0.002% | | | | | | | | | 0.173% | | | | 2.183% | | | | | | | |
| 15 | | | | | | 95.988% | 97.769% | | 0.001% | 0.006% | 0.001% | | | 0.001% | | 0.244% | 0.092% | 0.002% | 0.000% | 0.006% | 0.005% | | 0.002% | 0.001% | | |
| 16 | | | | | | | | 100% | | | | | | | | | | | | | | | | | | |
| 17 | | | | | | 0.001% | | | 92.510% | 15.566% | 0.034% | 0.025% | 0.216% | 0.092% | | 0.067% | | 0.244% | 0.003% | | 0.086% | 0.005% | 0.003% | 0.003% | 0.061% | |
| 18 | | | | | | 0.002% | | | 3.878% | 81.145% | 0.893% | 0.008% | 0.108% | 0.067% | | 0.018% | | 0.017% | 0.006% | | 0.015% | 0.002% | 0.008% | 0.004% | 0.001% | 0.034% |
| 19 | | | | | | 0.003% | | | 0.147% | 0.997% | 97.716% | 0.174% | 0.034% | 0.048% | | 0.046% | | 2.552% | 0.001% | 0.016% | 0.013% | 0.008% | 0.014% | 0.003% | 0.008% | 0.061% |
| 20 | | | | | | 0.002% | | | 0.078% | 0.007% | 0.071% | 91.123% | 0.088% | 0.004% | | 0.023% | | 0.246% | 0.019% | 0.017% | 0.188% | 0.003% | 0.021% | 0.039% | 0.005% | 0.101% |
| 21 | | | | | | 0.000% | | | 0.071% | 0.012% | | 0.030% | 94.794% | 1.164% | | 0.005% | | 0.137% | 0.015% | 0.001% | 0.000% | | 0.001% | 0.007% | 0.003% | 0.008% |
| 22 | | | | | | | | | 0.259% | 0.093% | 0.015% | 0.008% | 3.165% | 95.144% | | 0.014% | | 0.191% | 0.063% | 0.001% | 0.039% | 0.081% | 0.021% | 0.018% | | |
| 23 | | | | 0.052% | | | | | | | | | | | 97.515% | 0.032% | | 0.018% | 0.033% | | 0.004% | | | | | |
| 24 | | | 10.880% | | | 0.075% | 0.086% | | 0.049% | 0.005% | 0.009% | 0.020% | 0.105% | 0.019% | 0.064% | 96.684% | 99.321% | 0.466% | 0.143% | | 0.011% | 0.348% | 0.039% | 0.019% | | 0.071% |
| 25 | | | | | | 0.025% | 0.008% | | 0.162% | 0.026% | 0.087% | 0.077% | 0.410% | 0.281% | | 0.892% | | 91.440% | 0.124% | 0.119% | 0.206% | 0.124% | 2.075% | 0.078% | 0.273% | 0.206% |
| 26 | | | | 2.634% | | 0.000% | 0.003% | | 0.006% | 0.002% | 0.001% | 0.041% | 0.006% | 0.012% | 0.043% | 0.087% | | 0.102% | 94.390% | 0.031% | 0.070% | 0.008% | 0.044% | 0.020% | 0.014% | |
| 27 | | | | | | | | | 0.001% | | | | | 0.002% | | 0.024% | | 0.043% | 0.048% | 93.328% | 0.293% | | 0.054% | 0.097% | 0.053% | |
| 28 | | | | | | 0.003% | | | 0.105% | 0.029% | 0.078% | 0.386% | 0.176% | 0.087% | | 0.087% | | 0.962% | 0.275% | 5.212% | 91.215% | 0.550% | 1.894% | 12.750% | 1.219% | 1.335% |
| 29 | | | | 0.089% | | 0.001% | | | 0.051% | 0.036% | 0.008% | 0.107% | 0.071% | 0.046% | 0.033% | 0.116% | | 0.675% | 0.109% | 0.330% | 5.657% | 0.356% | 28.496% | 83.251% | 0.277% | 0.217% |
| 30 | | | | | | | | | | | | | | 0.003% | | | | 0.018% | | | 0.004% | 7.398% | 0.075% | 0.207% | | |
| 31 | | | | | | 0.002% | | | 0.041% | 0.002% | 0.001% | 0.019% | 0.007% | 0.030% | | 0.004% | | 0.230% | 0.035% | 0.050% | 0.249% | 9.885% | 63.212% | 0.322% | 6.645% | 0.048% |
| 32 | | | | | | | | | | | | 0.001% | | 0.016% | | | | 0.009% | 0.003% | 0.025% | 0.020% | 46.394% | 1.584% | 0.036% | 0.052% | 0.013% |
| 33 | | | | | | | | | 0.006% | 0.002% | | 0.042% | 0.020% | 0.007% | | 0.117% | 0.084% | 0.127% | 0.017% | 0.007% | 0.096% | 32.870% | 0.607% | 0.624% | 0.070% | 0.222% |
| 34 | | | | | | | | | 0.083% | | 0.004% | 0.026% | 0.032% | | | 0.026% | | 0.065% | 0.010% | 0.009% | 0.081% | | 0.047% | 1.009% | 88.383% | 0.427% |
| 35 | | | | | | | | | 0.014% | | | 0.133% | | | | 0.014% | | 0.131% | 0.030% | 0.005% | 0.135% | 0.007% | 0.031% | 0.055% | 0.056% | 93.721% |
| 36 | | | | | | 0.004% | | | 1.038% | 0.233% | 0.106% | 5.827% | 0.150% | 0.183% | 0.158% | 0.136% | | 1.553% | 0.921% | 0.337% | 0.391% | 0.064% | 0.123% | 0.402% | 2.241% | 2.576% |
| 37 | | | | | | | | | 0.002% | | | 0.036% | 0.003% | | | 0.067% | | 0.036% | 0.016% | 0.007% | 0.001% | | | 0.001% | 0.018% | |
| 40 | | | | 0.014% | | 0.001% | 0.003% | | 0.002% | | | | | | 0.051% | | | | | | 0.002% | 0.001% | 0.002% | 0.008% | | |
| 41 | | | | | | | | | | | | | | | | | | | | | 0.006% | | | 0.001% | | |
| 45 | | | | 4.306% | | 0.026% | 0.003% | | 0.026% | 0.043% | 0.027% | 0.557% | 0.012% | 0.029% | 0.666% | 0.102% | | 0.052% | 0.903% | 0.199% | 0.579% | 0.467% | 0.934% | 0.336% | 0.029% | 0.307% |
| 50 | | | | 0.004% | | 0.006% | | | 0.010% | 0.001% | 0.001% | 0.010% | | 0.001% | 0.691% | 0.001% | | 0.085% | 0.000% | 0.018% | 0.111% | 0.025% | 0.022% | 0.082% | 0.444% | 0.132% |
| 51 | | | | 0.584% | | 0.814% | 1.166% | | 0.427% | 0.680% | 0.395% | 0.486% | 0.366% | 0.142% | 0.468% | 0.784% | 0.217% | 0.253% | 0.273% | 0.232% | 0.212% | 0.400% | 0.259% | 0.315% | 0.026% | 0.094% |
| 52 | | | | 0.012% | | 2.116% | 0.448% | | 0.282% | 0.529% | 0.286% | 0.426% | 0.013% | 0.095% | 0.107% | 0.135% | 0.020% | 0.046% | 0.123% | 0.019% | 0.083% | 0.171% | 0.094% | 0.044% | 0.003% | 0.128% |
| 55 | | | | 0.009% | | 0.662% | 0.198% | | 0.004% | 0.012% | 0.009% | 0.014% | 0.014% | 0.012% | | 0.006% | | 0.010% | 0.000% | 0.007% | 0.007% | 0.009% | 0.030% | 0.002% | 0.001% | 0.004% |
| 60 | | | | 0.524% | | 0.030% | 0.003% | | 0.024% | 0.018% | 0.004% | 0.016% | 0.001% | 0.015% | 0.025% | | | 0.005% | 0.064% | 0.001% | 0.007% | | 0.003% | 0.003% | | 0.003% |
| 61 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 62 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 63 | | | | 0.060% | | 0.023% | | | | 0.003% | 0.001% | 0.008% | 0.047% | 0.022% | | 0.002% | | | 0.004% | 0.002% | 0.002% | 0.036% | 0.001% | 0.008% | 0.010% | 0.016% |
| 64 | | | | | | | | | | | | | | | | | | | | | | 0.007% | | | | |
| 65 | | | | 0.023% | | 0.004% | | | | | 0.001% | | 0.003% | | | 0.001% | | | 0.001% | 0.001% | | | | | | |
| 66 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 67 | | | | | | 0.000% | | | 0.004% | 0.006% | 0.001% | | | 0.002% | | 0.001% | | | | 0.002% | 0.001% | 0.001% | | | | |
| 70 | | | | 0.079% | | 0.026% | 0.024% | | 0.044% | 0.051% | 0.083% | 0.041% | 0.021% | 0.003% | | 0.009% | 0.089% | 0.038% | 0.042% | 0.004% | 0.032% | 0.006% | 0.011% | 0.027% | 0.034% | 0.024% |
| 71 | | | | 0.099% | | 0.004% | | | 0.003% | 0.013% | | 0.012% | 0.004% | 0.025% | | | | 0.004% | 0.003% | | 0.005% | 0.019% | 0.009% | 0.022% | 0.001% | 0.001% |
| 72 | | | | | | 0.001% | | | 0.022% | 0.014% | | 0.013% | | 0.268% | | 0.038% | 0.017% | 0.010% | 0.002% | 0.007% | 0.020% | 0.486% | 0.033% | 0.030% | 0.011% | 0.001% |
| 73 | | | 2.967% | | | 0.000% | | | | | | | | 0.001% | | 0.063% | 0.124% | | 0.004% | | 0.000% | 0.044% | 0.026% | 0.005% | | 0.004% |
| 74 | | | | 0.280% | | 0.144% | 0.248% | | 0.125% | 0.243% | 0.144% | 0.221% | 0.126% | 2.001% | | 0.111% | 0.029% | 0.228% | 0.083% | 0.005% | 0.142% | 0.212% | 0.213% | 0.151% | 0.062% | 0.208% |
| 80 | | | | | | | | | | 0.008% | | | | 0.003% | | 0.004% | 0.006% | | 0.001% | | 0.000% | | | | | |
| 85 | | | | | | 0.005% | | | | 0.004% | 0.001% | 0.028% | | 0.012% | | 0.001% | | | 0.017% | 0.002% | | | | | | 0.014% |
| 90 | | | | 0.053% | | 0.002% | | | 0.001% | 0.003% | 0.001% | 0.003% | | 0.034% | | 0.012% | | 0.001% | 0.003% | | 0.000% | | | 0.017% | | |
| 92 | | | | | | 0.002% | | | 0.003% | 0.004% | 0.002% | 0.030% | 0.001% | 0.105% | | 0.011% | | 0.002% | 0.018% | | 0.003% | 0.014% | 0.001% | | | 0.014% |
| 93 | | | | | | 0.026% | 0.043% | | 0.520% | 0.206% | 0.022% | 0.053% | 0.007% | 0.020% | | 0.015% | | 0.002% | 0.014% | 0.002% | 0.008% | 0.002% | 0.011% | 0.004% | 0.001% | 0.011% |
| All | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% |

| NACE REV. 1 | NACE REV. 2 | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | NACE | 31 | 32 | 33 | 35 | 36 | 37 | 38 | 39 | 41 | 42 | 43 | 45 | 46 | 47 | 49 | 50 | 51 | 52 | 53 | 55 | 56 | 58 | 59 | 60 | 61 | 62 | 63 |
| | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 13 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 14 | | | 0.005% | | 0.003% | | 0.045% | | 0.011% | 0.149% | 0.033% | | 0.025% | 0.000% | 0.009% | | | 0.001% | | 0.010% | 0.000% | | | | | | 0.006% |
| | 15 | 0.001% | 0.012% | 0.002% | | | | 0.026% | 0.030% | 0.008% | 0.006% | 0.003% | 0.001% | 0.471% | 0.383% | 0.010% | | | 0.078% | | 0.017% | 3.721% | | | | 0.002% | 0.004% | 0.012% |
| | 16 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 17 | 0.178% | 0.136% | 0.021% | | | | 0.037% | | 0.004% | | 0.010% | 0.005% | 0.141% | 0.036% | 0.003% | | | 0.001% | | 0.007% | 0.002% | | | | 0.001% | 0.002% | 0.016% |
| | 18 | 0.039% | 0.268% | 0.004% | | | | 0.018% | | 0.006% | 0.001% | 0.003% | 0.001% | 0.208% | 0.104% | 0.002% | | | 0.004% | | 0.003% | 0.012% | 0.032% | | | 0.005% | 0.001% | 0.031% |
| | 19 | 0.042% | 0.285% | 0.009% | | | | 0.010% | | 0.002% | | 0.001% | 0.001% | 0.097% | 0.016% | 0.001% | | | 0.002% | | | 0.002% | | | | | 0.000% | 0.008% |
| | 20 | 5.171% | 1.352% | 0.152% | | | | 0.103% | | 0.026% | 0.019% | 0.206% | 0.002% | 0.155% | 0.086% | 0.280% | | | 0.017% | 0.000% | 0.007% | 0.004% | | | | | | 0.011% |
| | 21 | 0.016% | 0.039% | 0.001% | | | | 0.033% | | | | 0.005% | 0.000% | 0.078% | 0.004% | 0.001% | | | 0.007% | | | | 0.006% | | | | 0.003% | 0.001% |
| | 22 | 0.011% | 0.231% | 0.004% | | | | 0.043% | | 0.001% | | 0.002% | 0.001% | 0.062% | 0.017% | 0.003% | | | 0.006% | 0.007% | 0.006% | 0.002% | 90.808% | 4.420% | 0.060% | 0.002% | 0.053% | 0.062% |
| | 23 | | 0.012% | | 0.071% | | | 0.029% | | 0.000% | 0.081% | 0.001% | | 0.014% | 0.005% | | | | 0.008% | | | | | | | | | |
| | 24 | 0.036% | 0.366% | 0.024% | | | | 0.171% | | 0.001% | | 0.014% | 0.006% | 0.192% | 0.004% | 0.006% | | | 0.003% | | 0.001% | 0.000% | | | | | | 0.004% |
| | 25 | 0.132% | 2.479% | 0.155% | | | | 0.509% | | 0.012% | 0.001% | 0.028% | 0.077% | 0.083% | 0.005% | 0.005% | | | 0.016% | | 0.000% | 0.001% | | | | | | 0.009% |
| | 26 | 0.058% | 0.048% | 0.073% | | 0.027% | | 0.047% | | 0.104% | 0.179% | 0.110% | 0.000% | 0.203% | 0.030% | 0.022% | | | 0.005% | | 0.004% | 0.000% | | | | | | 0.001% |
| | 27 | 0.043% | 0.195% | 0.021% | | | | 0.109% | | 0.003% | | 0.015% | 0.001% | 0.036% | 0.001% | 0.001% | | | 0.002% | | | | | | | | 0.001% | 0.007% |
| | 28 | 4.262% | 0.699% | 14.874% | | | | 0.353% | 0.131% | 0.148% | 0.187% | 1.067% | 0.273% | 0.468% | 0.055% | 0.021% | | | 0.083% | | 0.002% | 0.005% | 0.020% | | | 0.001% | 0.000% | 0.024% |
| | 29 | 0.186% | 0.247% | 31.519% | 0.001% | 0.200% | 0.303% | 0.057% | | 0.008% | 0.155% | 0.993% | 0.233% | 0.561% | 0.062% | 0.005% | | | 0.019% | | | 0.006% | 0.033% | | | | 0.030% | 0.056% |
| | 30 | | 0.042% | 0.319% | | | | | | 0.000% | | 0.002% | | 0.062% | 0.004% | | | | | | | | 0.005% | | | 0.002% | 0.597% | 0.037% |
| | 31 | 0.079% | 0.090% | 17.830% | 0.071% | 0.047% | | 0.006% | | 0.012% | 0.085% | 0.537% | 0.054% | 0.181% | 0.022% | 0.002% | | | 0.017% | | 0.001% | 0.001% | 0.012% | | | 0.033% | 0.152% | 0.013% |
| | 32 | | 0.051% | 2.114% | | | | 0.003% | | 0.000% | | 0.094% | 0.005% | 0.080% | 0.015% | 0.000% | | | 0.001% | | | 0.002% | | 0.010% | 0.035% | 0.057% | 0.204% | 0.001% |
| | 33 | 0.074% | 44.449% | 10.432% | | | | 0.001% | | 0.001% | | 0.022% | 0.009% | 0.145% | 0.140% | 0.001% | | | 0.004% | | 0.000% | 0.001% | | | | 0.012% | 0.224% | 0.001% |
| | 34 | 0.002% | 0.036% | 0.061% | | | | | | 0.000% | | 0.000% | 0.189% | 0.006% | 0.001% | | | | 0.002% | | | | | | | | | 0.003% |
| | 35 | 0.070% | 0.024% | 10.029% | | | | 0.009% | | 0.001% | 0.072% | 0.119% | 0.041% | 0.011% | 0.021% | 0.001% | 0.029% | | 0.244% | | 0.001% | | | | | | 0.000% | 0.001% |
| | 36 | 88.632% | 46.651% | 0.102% | | | | 0.011% | | 0.011% | 0.008% | 0.131% | 0.010% | 0.198% | 0.209% | 0.068% | | | 0.023% | | 0.003% | 0.005% | 0.011% | | | 0.002% | 0.014% | 0.011% |
| | 37 | | 0.009% | 0.015% | | | | 13.438% | 1.992% | 0.010% | | 0.003% | 0.012% | 0.056% | 0.001% | 0.015% | | | 0.015% | | | 0.000% | | | | | | 0.004% |
| | 40 | | | 0.012% | 98.477% | 0.508% | | 0.036% | | 0.000% | 0.034% | 0.015% | | 0.003% | 0.004% | | | | 0.002% | | 0.001% | 0.001% | | | | 0.001% | 0.001% | |
| | 41 | | | 0.003% | 0.021% | 98.115% | 1.284% | 0.027% | | 0.008% | | 0.002% | 0.003% | 0.001% | 0.000% | | | | 0.003% | | | 0.001% | | | | | | |
| | 45 | 0.197% | 0.059% | 6.283% | 0.568% | 0.476% | 3.535% | 0.499% | 10.191% | 96.592% | 98.010% | 94.719% | 0.037% | 0.359% | 0.182% | 0.365% | 0.083% | | 0.258% | 0.004% | 0.315% | 0.058% | 0.012% | 0.016% | 0.004% | 0.092% | 0.155% | 0.118% |
| | 50 | 0.030% | 0.019% | 1.019% | 0.071% | | 0.023% | 0.368% | | 0.012% | 0.030% | 0.044% | 96.588% | 0.367% | 3.437% | 0.100% | 0.004% | | 1.489% | 0.002% | 0.013% | 0.060% | | 0.003% | | | 0.020% | 0.020% |
| | 51 | 0.199% | 0.507% | 0.745% | 0.188% | 0.050% | | 1.319% | 0.274% | 0.084% | 0.045% | 0.319% | 1.449% | 88.084% | 1.358% | 0.281% | 0.004% | | 0.317% | 0.031% | 0.041% | 0.117% | 0.318% | 0.076% | 0.096% | 0.284% | 0.608% | 0.231% |
| | 52 | 0.285% | 0.838% | 1.226% | 0.100% | | | 0.129% | 0.083% | 0.075% | 0.067% | 0.324% | 0.426% | 5.265% | 92.774% | 0.112% | 0.049% | | 0.098% | 0.036% | 0.120% | 0.919% | 0.272% | 0.144% | 0.014% | 0.190% | 0.214% | 0.127% |
| | 55 | 0.007% | 0.006% | 0.034% | 0.029% | | | 0.019% | | 0.114% | 0.002% | 0.027% | 0.017% | 0.076% | 0.410% | 0.045% | 0.022% | | 0.043% | 0.001% | 97.640% | 93.795% | 0.012% | 0.092% | | 0.016% | 0.014% | 0.078% |
| | 60 | 0.001% | 0.005% | 0.040% | | | 0.901% | 0.934% | 1.522% | 0.054% | 0.117% | 0.211% | 0.050% | 0.135% | 0.036% | 97.056% | 0.135% | | 1.368% | 0.456% | 0.019% | 0.015% | | 0.005% | | | 0.003% | 0.020% |
| | 61 | | | 0.002% | | | | | | | 0.018% | 0.000% | | 0.002% | 0.000% | 0.002% | 98.159% | | 0.380% | 0.001% | | | | | | | 0.001% | 0.001% |
| | 62 | | | | | | | | | | | | | | | | | 99.837% | 0.024% | | | | | | | | | |
| | 63 | 0.002% | 0.001% | 0.121% | | | 0.276% | 0.072% | | 0.022% | 0.027% | 0.031% | 0.052% | 0.051% | 0.015% | 0.674% | 0.694% | 0.158% | 87.768% | 0.121% | 0.056% | 0.007% | 0.005% | | | 0.016% | 0.016% | 0.114% |
| | 64 | | | 0.012% | 0.029% | | | | | 0.002% | 0.001% | 0.003% | 0.001% | 0.020% | 0.006% | 0.080% | | | 0.101% | 99.001% | | 0.002% | 0.005% | 0.003% | 0.029% | 97.469% | 0.031% | 0.049% |
| | 65 | | | 0.001% | 0.002% | | | | | 0.010% | 0.001% | 0.004% | 0.004% | 0.008% | 0.003% | 0.002% | 0.007% | | | | 0.001% | 0.002% | 0.007% | | | 0.002% | 0.022% | 0.015% |
| | 66 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 67 | | | 0.002% | 0.001% | | | | | 0.010% | 0.006% | 0.004% | 0.020% | 0.084% | 0.011% | 0.007% | 0.007% | | 0.005% | 0.001% | 0.015% | 0.006% | 0.014% | 0.016% | | 0.013% | 0.021% | 0.166% |
| | 70 | 0.026% | 0.025% | 0.026% | 0.063% | 0.007% | | 0.005% | 0.030% | 2.243% | 0.292% | 0.110% | 0.030% | 0.088% | 0.047% | 0.018% | 0.029% | | 0.098% | 0.001% | 0.727% | 0.109% | 0.060% | 0.130% | | 0.013% | 0.028% | 0.436% |
| | 71 | 0.002% | 0.022% | 0.050% | | 0.038% | | 0.003% | | 0.018% | 0.013% | 0.064% | 0.090% | 0.048% | 0.037% | 0.214% | 0.428% | | 0.081% | 0.001% | 0.020% | 0.023% | 0.005% | 0.122% | | 0.034% | 0.048% | 0.020% |
| | 72 | | 0.053% | 1.641% | | | | 0.040% | | 0.014% | 0.001% | 0.030% | 0.012% | 1.073% | 0.073% | 0.007% | | | 0.057% | 0.033% | 0.012% | 0.009% | 6.073% | 0.200% | 0.027% | 0.857% | 95.477% | 86.207% |
| | 73 | | 0.008% | 0.007% | | | 0.097% | 0.021% | | 0.000% | | 0.007% | 0.000% | 0.011% | 0.000% | | | | 0.003% | | 0.011% | 0.000% | 0.016% | 0.043% | 0.004% | 0.041% | 0.058% | 0.028% |
| | 74 | 0.194% | 0.321% | 0.811% | 0.265% | 0.135% | 1.839% | 1.251% | 3.127% | 0.288% | 0.261% | 0.543% | 0.202% | 0.695% | 0.251% | 0.247% | 0.301% | 0.004% | 6.542% | 0.296% | 0.349% | 0.294% | 1.857% | 1.968% | 0.176% | 0.595% | 1.800% | 10.548% |
| | 80 | 0.001% | 0.001% | 0.002% | | | | | | 0.000% | 0.003% | 0.000% | 0.003% | 0.009% | 0.004% | 0.011% | 0.004% | | 0.004% | 0.001% | 0.011% | 0.003% | 0.024% | 0.005% | | 0.003% | 0.089% | 0.033% |
| | 85 | | 0.344% | 0.072% | | | | 0.020% | | 0.010% | 0.045% | 0.002% | 0.000% | 0.010% | 0.009% | 0.011% | | | 0.035% | 0.001% | 0.295% | 0.017% | 0.005% | 0.005% | | 0.001% | 0.024% | 0.031% |
| | 90 | | | 0.014% | 0.024% | 0.164% | 91.479% | 79.958% | 81.753% | 0.013% | 0.044% | 0.040% | 0.004% | 0.013% | 0.001% | 0.116% | 0.005% | | 0.045% | | 0.010% | | | | | | | 0.037% |
| | 92 | 0.009% | 0.026% | 0.024% | 0.008% | 0.200% | | 0.057% | | 0.042% | 0.017% | 0.031% | 0.003% | 0.018% | 0.035% | 0.127% | 0.032% | | 0.079% | 0.001% | 0.118% | 0.761% | 0.333% | 92.599% | 99.548% | 0.144% | 0.039% | 1.266% |
| | 93 | 0.018% | 0.045% | 0.090% | 0.008% | 0.031% | 0.265% | 0.182% | 0.870% | 0.017% | 0.021% | 0.070% | 0.083% | 0.051% | 0.085% | 0.068% | 0.010% | | 0.640% | 0.007% | 0.164% | 0.036% | 0.059% | 0.143% | 0.007% | 0.112% | 0.044% | 0.139% |
| | All | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% |

| NACE REV. 1 \ NACE REV. 2 | 64 | 65 | 66 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 77 | 78 | 79 | 80 | 81 | 82 | 85 | 86 | 87 | 88 | 90 | 91 | 92 | 93 | 95 | 96 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | | | | | | | | 3.178% | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 | 0.000% | | | 0.023% | 0.000% | 0.017% | 0.001% | | | 0.002% | | 0.039% | | | | 0.006% | 0.011% | | | | | | | | 0.002% | | 0.002% |
| 15 | 0.000% | | 0.003% | 0.226% | 0.001% | 0.050% | 0.009% | 0.012% | 0.004% | 0.033% | | 0.032% | | | | 0.001% | 0.332% | 0.002% | 0.003% | | 0.001% | | | | 0.005% | 0.002% | 0.037% |
| 16 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 17 | 0.000% | | 0.001% | 0.170% | | 0.112% | 0.028% | | 0.006% | 0.052% | 0.007% | 0.031% | | | | 0.007% | 0.067% | | | | | 0.008% | | | | 0.248% | 0.137% |
| 18 | | | 0.004% | 0.116% | 0.000% | 0.057% | 0.017% | | 0.009% | 0.160% | | 0.135% | | 0.022% | 0.002% | 0.002% | 0.058% | 0.009% | | | 0.017% | 0.019% | 0.073% | | 0.006% | 3.103% | 0.083% |
| 19 | | | | 0.116% | 0.002% | 0.040% | | | 0.003% | 0.058% | | 0.016% | | | | 0.001% | 0.055% | 0.003% | | | | 0.002% | 0.011% | 0.008% | | 0.123% | 0.021% |
| 20 | | | 0.001% | 0.157% | | 0.058% | 0.002% | | 0.214% | 0.031% | | 0.067% | | | | 0.012% | 0.100% | | | | 0.099% | 0.181% | | 0.032% | 0.004% | 0.500% | 0.104% |
| 21 | | | | 0.037% | 0.001% | 0.061% | | 0.024% | 0.010% | 0.014% | | 0.002% | | | | | 0.051% | | | | | 0.008% | | | 0.003% | | 0.007% |
| 22 | 0.001% | | 0.004% | 0.110% | 0.017% | 0.334% | 0.010% | 0.024% | 1.148% | 0.940% | | 0.111% | 0.001% | 0.028% | | 0.030% | 0.349% | 0.075% | 0.004% | | 0.040% | 0.488% | 0.032% | | 0.014% | 0.045% | 0.045% |
| 23 | | | | 0.001% | | 0.021% | | | | 0.001% | | | | | | | 0.018% | | | | | | | | | | |
| 24 | | | | 0.043% | 0.001% | 0.068% | 0.005% | 0.413% | | 0.011% | | 0.004% | | | | 0.002% | 0.111% | | | | | | | | 0.017% | 0.011% | 0.011% |
| 25 | 0.001% | | 0.001% | 0.104% | | 0.050% | 0.004% | 0.012% | 0.001% | 0.015% | | 0.018% | | | | 0.002% | 0.170% | | 0.003% | 0.004% | 0.019% | | | | 0.002% | 0.018% | 0.020% |
| 26 | 0.001% | | 0.001% | 0.116% | 0.000% | 0.359% | 0.005% | 0.061% | 0.034% | 0.028% | | 0.077% | | | | 0.001% | 0.050% | 0.002% | | | | 0.150% | | | | 0.005% | 0.022% |
| 27 | 0.000% | | | 0.035% | | 0.070% | 0.003% | | | 0.006% | | | | | | | 0.001% | | | | | | | | | | 0.001% |
| 28 | 0.001% | | 0.001% | 0.578% | 0.006% | 0.353% | 0.110% | 0.071% | 0.191% | 0.302% | | 0.703% | | | 0.009% | 0.035% | 0.286% | 0.013% | 0.001% | | 0.018% | 0.031% | | 0.005% | 0.030% | 0.588% | 0.064% |
| 29 | 0.002% | | 0.001% | 0.216% | 0.001% | 0.229% | 0.094% | 0.212% | 0.006% | 0.248% | | 0.581% | | | 0.001% | 0.019% | 0.078% | 0.076% | 0.003% | | | | | | 0.004% | 1.645% | 0.027% |
| 30 | | | | 0.000% | | 0.052% | 0.009% | 0.070% | | 0.029% | | 0.018% | | | | | 0.015% | 0.002% | | | | | | 0.009% | 0.002% | 0.347% | 0.001% |
| 31 | 0.001% | | 0.001% | 0.068% | 0.002% | 0.034% | 0.044% | 0.321% | 0.169% | 0.087% | | 0.232% | | 0.002% | | 0.006% | 0.132% | 0.001% | 0.000% | | 0.012% | 0.048% | | 0.164% | 0.012% | 0.963% | 0.014% |
| 32 | 0.000% | | | 0.015% | | 0.032% | 0.009% | 0.087% | 0.001% | 0.017% | | 0.165% | | | | | 0.021% | 0.012% | | | | 0.002% | | 0.033% | 0.019% | 11.081% | 0.002% |
| 33 | 0.001% | | | 0.033% | 0.001% | 0.054% | 0.057% | 0.268% | | 0.083% | | 0.048% | | | 0.013% | 0.004% | 0.040% | 0.006% | 0.204% | | 0.006% | 0.002% | | | | 0.304% | 0.005% |
| 34 | | | | 0.011% | | 0.011% | 0.008% | 0.004% | | 0.008% | | 0.004% | | | | | 0.001% | 0.001% | | | | | | | 0.003% | 0.007% | 0.002% |
| 35 | | | | 0.016% | | 0.021% | 0.004% | | 0.001% | 0.063% | | 0.043% | | | | 0.003% | 0.057% | | | | 0.021% | 0.002% | | | 0.025% | 0.058% | 0.003% |
| 36 | 0.001% | | 0.001% | 0.135% | 0.002% | 0.086% | 0.007% | | 0.201% | 0.194% | | 0.257% | | 0.010% | | 0.007% | 0.153% | 0.008% | 0.002% | 0.017% | 0.017% | 0.377% | 0.011% | 0.630% | 0.240% | 12.220% | 0.073% |
| 37 | | | 0.001% | 0.014% | 0.001% | 0.007% | 0.017% | 0.004% | | 0.006% | | 0.031% | | | | 0.007% | 0.009% | | | | | | | | | | 0.002% |
| 40 | 0.000% | | | 0.008% | | 0.086% | 0.002% | 0.009% | | 0.061% | | | | | | | 0.021% | | | | | | | | 0.001% | | 0.003% |
| 41 | | | | 0.002% | | | 0.002% | | | 0.006% | | | | | | | 0.005% | | 0.001% | 0.001% | | | | | | | 0.001% |
| 45 | 0.010% | | 0.008% | 2.907% | 0.015% | 0.790% | 0.491% | 0.158% | 0.453% | 0.766% | | 4.487% | | 0.007% | 0.011% | 0.337% | 0.655% | 0.039% | 0.025% | 0.045% | 0.049% | 1.553% | 0.011% | 0.019% | 0.130% | 3.103% | 0.209% |
| 50 | 0.001% | | 0.022% | 0.542% | 0.001% | 0.177% | 0.532% | 0.004% | 0.019% | 0.091% | 0.007% | 0.631% | | | | 0.034% | 0.181% | 0.002% | 0.002% | 0.001% | 0.038% | 0.007% | | 0.053% | 0.137% | 0.408% | 0.115% |
| 51 | 0.043% | | 0.490% | 1.182% | 0.023% | 0.984% | 0.116% | 0.263% | 0.917% | 0.819% | 0.119% | 2.056% | 0.002% | 0.184% | 0.031% | 0.054% | 0.824% | 0.144% | 0.031% | | 0.007% | 0.116% | 0.172% | 0.337% | 0.139% | 0.684% | 0.166% |
| 52 | 0.002% | | 0.116% | 1.212% | 0.016% | 0.261% | 0.060% | 0.028% | 0.303% | 0.952% | 0.162% | 1.566% | 0.004% | 0.139% | 0.001% | 0.109% | 0.445% | 0.092% | 0.022% | 0.055% | 0.028% | 0.811% | 0.326% | 2.429% | 0.428% | 48.032% | 0.496% |
| 55 | 0.003% | | 0.206% | 1.610% | 0.008% | 0.540% | 0.037% | 0.024% | 0.049% | 0.185% | 0.007% | 0.377% | 0.001% | 0.283% | 0.019% | 0.083% | 0.220% | 0.037% | 0.009% | 0.503% | 0.131% | 0.132% | 1.377% | 1.593% | 3.918% | 0.009% | 0.186% |
| 60 | 0.001% | | 0.014% | 0.112% | 0.001% | 0.131% | 0.009% | | 0.036% | 0.060% | | 1.536% | | 0.437% | 0.091% | 0.068% | 0.248% | 0.008% | 0.017% | 0.082% | 0.085% | 0.009% | | | 0.109% | 0.071% | 0.047% |
| 61 | 0.001% | | 0.019% | 0.004% | 0.001% | 0.012% | 0.001% | | | 0.001% | | 0.419% | | 0.012% | | 0.000% | 0.001% | 0.002% | 0.004% | | | 0.007% | | | 0.002% | | 0.002% |
| 62 | | | | | | | | | | | | 0.011% | | 0.037% | | | | 0.017% | | | | | | | | | |
| 63 | 0.002% | | 0.392% | 0.135% | 0.021% | 0.494% | 0.016% | 0.004% | 0.223% | 0.166% | | 0.554% | 0.001% | 92.831% | 0.004% | 0.172% | 0.979% | 0.050% | 0.001% | | 0.011% | 0.033% | 0.976% | 0.005% | 0.432% | 0.064% | 0.076% |
| 64 | 0.003% | | 0.011% | 0.006% | | 0.014% | 0.001% | 0.010% | 0.023% | 0.008% | | 0.002% | | 0.008% | | 0.009% | 0.073% | | | | | | | 0.152% | | 0.007% | 0.018% |
| 65 | 98.602% | | 0.528% | 0.177% | 0.003% | 2.074% | 0.003% | 0.004% | 0.067% | 0.038% | | 0.035% | | 0.002% | | | 0.048% | | | | | | | | 0.002% | | 0.003% |
| 66 | | 100% | | | | | | | | | | | | | | | | | | | | | | | | | |
| 67 | 0.848% | | 95.831% | 0.286% | 0.055% | 0.535% | 0.036% | | 0.067% | 0.406% | | 0.109% | 0.001% | 0.030% | 0.014% | 0.004% | 0.316% | 0.072% | 0.002% | | 0.008% | 0.037% | | 0.079% | 0.009% | 0.010% | 0.032% |
| 70 | 0.066% | | 0.152% | 86.073% | 0.062% | 1.395% | 0.047% | 0.113% | 0.192% | 0.878% | | 0.543% | | 0.137% | | 1.831% | 0.737% | 0.030% | 0.025% | 0.004% | | 0.024% | 0.079% | 0.050% | 0.260% | 0.007% | 0.162% |
| 71 | 0.013% | | 0.004% | 0.095% | 0.002% | 0.150% | 0.003% | 0.024% | 0.125% | 0.125% | | 79.657% | | 0.049% | 0.010% | 0.023% | 0.239% | 0.014% | 0.022% | | | 0.397% | | 4.855% | 0.762% | 0.033% | 0.062% |
| 72 | 0.019% | | 0.088% | 0.295% | 0.619% | 1.313% | 0.220% | 0.923% | 0.589% | 3.063% | | 0.379% | 0.035% | 0.221% | 0.014% | 0.019% | 0.980% | 1.385% | 0.015% | 0.029% | 0.031% | 0.080% | 1.081% | 0.357% | 0.080% | 14.927% | 0.106% |
| 73 | 0.001% | | 0.010% | 0.017% | 0.003% | 0.095% | 1.139% | 90.512% | 0.039% | 0.347% | 0.007% | 0.004% | 0.000% | 0.004% | | 0.000% | 0.081% | 0.053% | 0.069% | | 0.032% | 0.010% | 0.023% | 0.033% | 0.002% | | 0.019% |
| 74 | 0.353% | | 2.024% | 2.320% | 99.066% | 87.349% | 96.675% | 5.342% | 94.226% | 87.471% | 0.129% | 2.909% | 99.899% | 4.097% | 99.477% | 92.963% | 89.758% | 2.937% | 0.316% | 0.295% | 0.769% | 3.204% | 6.496% | 0.762% | 1.222% | 0.754% | 1.352% |
| 80 | | | 0.010% | 0.021% | 0.018% | 0.115% | 0.019% | 0.171% | 0.013% | 0.279% | | 0.032% | 0.006% | 0.047% | 0.003% | 0.016% | 0.397% | 87.328% | 0.015% | 0.084% | 0.816% | 0.074% | 0.131% | | 0.142% | 0.004% | 0.046% |
| 85 | 0.000% | | 0.008% | 0.129% | 0.022% | 0.084% | 0.075% | 0.585% | 0.009% | 0.553% | 99.520% | 0.142% | 0.008% | 0.038% | | 0.070% | 0.627% | 1.223% | 98.903% | 98.437% | 96.334% | 0.036% | 0.640% | | 0.443% | | 0.326% |
| 90 | | | | 0.005% | 0.001% | 0.079% | 0.012% | 0.032% | 0.006% | 0.109% | | 0.022% | | 0.012% | | 0.451% | 0.142% | | 0.006% | 0.011% | 0.037% | | 0.143% | | 0.003% | | 0.024% |
| 92 | 0.001% | | 0.009% | 0.244% | 0.013% | 0.490% | 0.018% | 0.045% | 0.363% | 0.782% | | 0.827% | 0.022% | 0.984% | 0.014% | 0.042% | 0.320% | 6.036% | 0.049% | 0.124% | 0.673% | 91.763% | 87.315% | 88.309% | 90.519% | 0.460% | 0.316% |
| 93 | 0.018% | | 0.037% | 0.278% | 0.013% | 0.655% | 0.048% | 0.162% | 0.283% | 0.448% | 0.040% | 1.087% | 0.020% | 0.381% | 0.287% | 0.396% | 0.536% | 0.317% | 0.247% | 0.309% | 0.702% | 0.389% | 1.105% | 0.086% | 0.868% | 0.158% | 95.549% |
| All | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% |