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Census Manufacturing Statistics, 1958-1971 (Revised Version)

ABSTRACT: THE CENSUS DATASET CONTAINS ESTABLISHMENT STATISTICS AND INDUSTRY STRUCTURE DATA FOR 421 4-DIGIT CENSUS MANUFACTURING Industries. All are SIC industries in the 2000 to 4000 range (i.e. Manufacturing), with the exception of six 'ORDNANCE AND ACCESSORIES' industries (SIC 1900's). These are the first 6 records, and are 'defense related' industries (see note 6 below). Also, SIC 9999 ('All Manufacturing') is included as the last SIC.

ESTABLISHMENT DATA FOR 417 INDUSTRIES IS FROM INDUSTRY PROFILES. DATA FOR FOUR ADDITIONAL INDUSTRIES--3573 and 3574 (disaggregation of 3571) and 3711 and 3714 (disaggregation of 3717)--were added to make a total of 421 industries. Industry definitions are based on the 1967 SIC, a minor revision of the 1963 classification.

JCL: THE DATASET IS STORED IN VARIABLE FORMAT (I.E. FREE Format) and can be read using the following Fortran program and JCL.

```
      INTEGER NAME(19,421),YR(14,421),SIC1(421),SIC(14,421)
      REAL VAR(14,21,421)
      DO 6 K=1,421
      READ(8,END=9999) SIC1(K),(NAME(J,K),J=1,19)
      DO 6 I=1,14
    6 READ(8,END=9999) SIC(I,K),YR(I,K),(VAR(I,N,K),N=1,21)
C
C     IN THIS PROGRAM 'I' IS THE YEAR, 'N' IS THE VARIABLE #,
C     'K' IS THE SIC
C
 9999 STOP
      END
//GO.FT08F001 DD DSN=CENSUS,DISP=OLD,UNIT=TAPE6250,
// DCB=(RECFM=VBS,LRECL=220,BLKSIZE=8800,DEN=4),
// LABEL=(14,SL,,IN),VOL=SER=DATABK
```

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DATA SET ORGANIZATION: EACH CENSUS INDUSTRY IS DEFINED BY its SIC (Standard Industrial Code). It's name is given by NAME. For each of 14 years (1958-71), there is one record with 21 variables preceded by the SIC and year (YR) for which the variables are defined.

OF RECORDS: THERE ARE 421 INDUSTRIES AND 15 RECORDS PER INDUSTRY, SO THERE ARE 6315 TOTAL RECORDS.

PRINT FORMAT:

SIC,SIC1:	I4
NAME:	19A4
VAR:	F10.1
YR,YR1:	I3

CITATION: RESEARCH PROGRAM IN COMPETITION AND BUSINESS POLICY, GRADUATE SCHOOL OF MANAGEMENT, UCLA

VARIABLES:

There are 21 variables included on the dataset. They are written in the following order:

1.	NUMBER OF EMPLOYEES	(THOUSANDS)
2.	PAYROLL	($ MILLIONS)
3.	NUMBER OF PRODUCTION WORKERS	(THOUSANDS)
4.	MAN-HOURS	(MILLIONS)
5.	WAGES	($ MILLIONS)
6.	VALUE ADDED	($ MILLIONS)
7.	COST OF MATERIALS	($ MILLIONS)
8.	VALUE OF SHIPMENTS	($ MILLIONS)
9.	CAPITAL EXPENDITURES	($ MILLIONS)
10.	END OF YEAR INVENTORIES	($ MILLIONS)
11.	QUANTITY INDEX	(1958=100.0)
12.	PRICE INDEX	(1958=100.0)
13.	GROSS BOOK VALUE OF FIXED ASSETS	($ MILLIONS)
14.	4-FIRM VALUE-OF-SHIPMENT CONCENTRATION RATIO	(%)
15.	8-FIRM VALUE-OF-SHIPMENT CONCENTRATION RATIO	(%)
16.	20-FIRM VALUE-OF-SHIPMENT CONCENTRATION RATIO	(%)
17.	50-FIRM VALUE-OF-SHIPMENT CONCENTRATION RATIO	(%)
18.	NUMBER OF COMPANIES	
19.	PRIMARY PRODUCT SPECIALIZATION RATIO	(%)
20.	COVERAGE RATIO	(%)
21.	NUMBER OF ESTABLISHMENTS (FOR YEARS 1963 AND 1967) 4-FIRM PRODUCT GROUP CONCENTRATION RATIO (FOR YEAR 1958)	

NOTE THAT:

A) DOLLAR FIGURES ARE SIGNIFICANT TO ONE DECIMAL PLACE.
B) VARIABLES #1,3,4 ARE SIGNIFICANT TO ONE DECIMAL PLACE.
C) VARIABLES #11,12,13 ARE SIGNIFICANT TO ONE DECIMAL PLACE.
D) VARIABLES #14,17 ARE ALL RECORDED TO THE NEAREST 1%.
E) VARIABLE #18 IS AN EXACT FIGURE.
F) VARIABLES #19,20 ARE RECORDED TO THE NEAREST 1%.
G) VARIABLE #21 IS AN EXACT FIGURE FOR YEARS 1963 AND 1967 (# OF ESTABLISHMENTS), AND FOR YEAR 1958 (4-FIRM CONCENTRATION RATIO), IT IS RECORDED TO THE NEAREST 1%.

DATA AVAILABILITY:

VARIABLES	YEARS
1.-10.	ALL YEARS
11.	1958-1969
12.	1958-1970
13.	1957, 1962-1964, 1967-1971
14.-15.	1958, 1963, 1966, 1967, 1970
16.-21.	1958, 1963, 1967

BIBLIOGRAPHY:

1. U.S. Bureau of the Census. Annual Survey of Manufactures, 1971. Industry Profiles, M71(AS)-10. Washington, D.C.: U.S. Government Printing Office, 1973.

2. U.S. Bureau of the Census, Census of Manufactures, 1967. Volume 1, Summary and Subject Statistics. Washington, D.C.: U.S. Government Printing Office, 1971.

3. U.S. Bureau of the Census. Annual Survey of Manufactures: 1969. General Statistics for Industry Groups and Industries, M69(AS)-1. Washington, D.C.: U.S. Government Printing Office, 1971.

4. U.S. Bureau of the Census. Annual Survey of Manufactures: 1970. General Statistics for Industry Groups and Industries, M70(AS)-1. Washington, D.C.: U.S. Government Printing Office, 1972.

5. U.S. Bureau of the Census. Annual Survey of Manufactures: 1971. General Statistics for Industry Groups and Industries, M71(AS)-1. Washington, D.C.: U.S. Government Printing Office, 1973.

6. U.S. Bureau of the Census. Annual Survey of Manufactures: 1964. Book Value of Fixed Assets and Rental Payments for Buildings and Equipment, M64(AS)-6. Washington, D.C.: U.S. Government Printing Office, 1967.

7. U.S. Bureau of the Census. Annual Survey of Manufactures: 1968. Book Value of Fixed Assets and Rental Payments for Buildings and Equipment and Labor Costs, M68(AS)-7. Washington, D.C.: U.S. Government Printing Office, 1971.

8. U.S. Bureau of the Census. Annual Survey of Manufactures: 1970. Book Value of Fixed Assets and Rental Payments for Buildings and Equipment, M70(AS)-7. Washington, D.C.: U.S. Government Printing Office, 1972.

9. U.S. Bureau of the Census. Annual Survey of Manufactures: 1971. Book Value of Fixed Assets and Rental Payments for Buildings and Equipment, M71(AS)-7. Washington, D.C.: U.S. Government Printing Office, 1973.

10. U.S. Bureau of the Census. Annual Survey of Manufactures: 1970. Value-of-Shipment Concentration ratios, M70(AS)-9. Washington, D.C.: U.S. Government Printing Office, 1972.

11. U.S. Congress. Senate. Concentration Ratios in Manufacturing Industry, 1958. 87th Congress, 2nd Session, Committee Print, Report Prepared by the Bureau of the Census for the Subcommittee on Antitrust and Monopoly of the Committee on the Judiciary, Part 1. Washington, D.C.: U.S. Government Printing Office, 1962.

12. U.S. Congress. Senate. Concentration Ratios in Manufacturing Industry, 1963. 89th Congress, 2nd Session, Committee Print, Report Prepared by the Bureau of the Census for the Subcommittee on Antitrust and Monopoly of the Committee on the Judiciary, Part 1. Washington, D.C.: U.S. Government Printing Office, 1966.

13. U.S. Bureau of the Census. Census of Manufactures, 1967. SPECIAL REPORT SERIES: Concentration Ratios in Manufacturing. Part 3, Employment, Payrolls, Capital Expenditures, and Other General Statistics, MC67(S)-2.3. Washington, D.C.: U.S. Government Printing Office, 1971.

DATA SOURCES:

A. Variables 1-10 (Establishment Statistics)--Source 1
1. Variable 7, 1964, SIC 2095 is in error in this source. The correct figure was obtained from Michael Hartz at the Bureau of the Census (tel. no.: 301-763-7863). The correction is made on this data set.
2. SIC's 3741 and 3742 are combined by the Census in 1968-1971. The data are included in the records for 3742. These data and the data for SIC's 3573, 3574, 3711, and 3714 are from the following sources:

1967	Source 2
1968-1969	Source 3
1970	Source 4
1971	Source 5

B. Variables 11-12 (Price and Quantity Indices)
These data are unpublished and were obtained from Ken Armatage at the Board of Governors of the Federal RESERVE SYSTEM.

C. Variable 13 (GBVA)

1957, 1962-1964	Source 6
1967-1968	Source 7
1969-1970	Source 8
1971	Source 9

For 1957 GBVA was available only on a combined basis FOR THE FOLLOWING GROUPS OF SIC'S: 2541, 2542; 2823, 2824; 3271, 3272; AND 3361, 3362, 3369. THE appropriate record for the first SIC of each group contains the combined figure.

D. VARIABLES 14-20 (CONCENTRATION RATIOS, NO. OF Companies, Specialization and Coverage ratios)--Source 10

1. The data for SIC's 3571 were obtained from the following sources:

1958	Source 11, Table 2
1963	Source 12, Table 2

2. The data for SIC 3717, 1958 only, were obtained from Source 12, Table 2.

3. When a range of values is given for a specialization or coverage ratio, the midpoint is given. (This is to one decimal point on CENSUS but is rounded to whole number on cards.)

E. Variable 21

1963 (# of establishments)	Source 12, Table 3
1967 (# of establishments)	Source 13
1958 (4-firm product concentration ratio)	Source 12, Table 4

1. For SIC's 2871 and 2872 the ratio is available only on a combined basis. The figure is included in the records for both SIC's. (Industry concentration ratios are available for each industry, however.)

2. For SIC's 2541 and 2542 the ratio is available only on a combined basis in Source 12. The figure is included in the records for both SIC's.

3. Figures for SIC's 2815 and 3729 are incorrect and should be changed to zero. Correct figures are not available.

NOTES: 1. MISSING VALUES ARE CODED AS -1'S IN VARIABLES 1 THROUGH 10 AND AS ZEROES IN VARIABLES 11 THROUGH 21.

2. Industry definitions are based on the 1967 SIC, which is a minor revision of the 1963 SIC. The revisions are given below.

1963 Code	1967 Code
2814, 2815	2815
3571	3573, 3574
3717	3711, 3714
3723, 3729	3729
3981	3991
3982	3996
3988	3994
3983, 3984, 3987, 3992, 3995, 3999	3999

The Bureau of the Census combines SIC industries 3711 and 3712 in 1963; 3711, 3712, and 3714 in 1967; and 3723 and 3729 in 1967.

3. In 1958 concentration ratios were computed on the basis of the old (pre-1957) SIC industry definitions. The industries (about half) whose definitions were changed by the 1957 SIC revisions. As a possible supplement to 4-FIRM INDUSTRY RATIOS, THE 4-FIRM PRODUCT GROUP concentration ratios were included in the data set since they, unlike the industry ratios, were computed on the basis of the new SIC industry definitions.

4. Number of establishments is available for 1958 but was not punched and is not included in this data set.

5. Note that the GBVA variable included for 1958 is 1957 GBVA since the 1958 GBVA is unavailable.

6. THIS DATA SET HAS THE FOLLOWING SIC'S THAT THE OLDER VERSION OF THIS DATA SET DOES NOT: 1925, 1929, 1931, 1941, 1951, 1961, AND 9999. WE ONLY HAVE THE FIRST TEN VARIABLES FOR THESE SIC'S.