Variable Names and Description of Zip Code Files

Source: 1998 and 2001 Zip Code Business Patterns, US Census Bureau (available at UIUC's main library)

Variable	Description
ZIP	**Zip Code**
PO_NAME	Name of Zip Code Area
STATE	State
MSA	MSA
CBSA_CODE	CBSA Code
MAN98	1998 total manufacturing establishments (MSA)
MAN98_12	1998 total manufacturing establishments, 1-9 employees (MSA)
MAN98_39	1998 total manufacturing establishments, 10+ employees (MSA)
MAN01	2001 total manufacturing establishments (MSA)
MAN01_12	2001 total manufacturing establishments, 1-9 employees (MSA)
MAN01_39	2001 total manufacturing establishments, 10+ employees (MSA)
MAN98US	1998 total manufacturing establishments (US)
MAN98US12	1998 total manufacturing establishments, 1-9 employees (US)
MAN98US39	1998 total manufacturing establishments, 10+ employees (US)
MAN01US	2001 total manufacturing establishments (US)
MANUS01_12	2001 total manufacturing establishments, 1-9 employees (US)
MANUS01_39	2001 total manufacturing establishments, 10+ employees (US)
OFF98	1998 total office establishments (MSA)
OFF98_12	1998 total office establishments, 1-9 employees (MSA)
OFF98_39	1998 total office establishments, 10+ employees (MSA)
OFF01	2001 total office establishments (MSA)
OFF01_12	2001 total office establishments, 1-9 employees (MSA)
OFF01_39	2001 total office establishments, 10+ employees (MSA)
OFF98US	1998 total office establishments (US)
OFF98US12	1998 total office establishments, 1-9 employees (US)
OFF98US39	1998 total office establishments, 10+ employees (US)
OFF01US	2001 total office establishments (US)
OFFUS01_12	2001 total office establishments, 1-9 employees (US)
OFFUS01_39	2001 total office establishments, 10+ employees (US)
INFO98	1998 total information establishments (MSA)
INFO98_12	1998 total information establishments, 1-9 employees (MSA)
INFO98_39	1998 total information establishments, 10+ employees (MSA)
INFO01	2001 total information establishments (MSA)
INFO01_12	2001 total information establishments, 1-9 employees (MSA)
INFO01_39	2001 total information establishments, 10+ employees (MSA)
INFO98US	1998 total information establishments (US)
INFO98US12	1998 total information establishments, 1-9 employees (US)
INFO98US39	1998 total information establishments, 10+ employees (US)
INFO01US	2001 total information establishments (US)
INFOUS01_1	2001 total information establishments, 1-9 employees (US)
INFOUS01_3	2001 total information establishments, 10+ employees (US)
INDEX	Index
NUMSEC	Number of sectors represented in zip code
EST98	Total establishments in zip code, 1998
EST01	Total establishments in zip code, 2001
PCTNGE	National growth effect, percent (N)
PCTIME	***Industry mix effect, percent (M)***
PCTCSE	***Competitive shift effect, percent (S)***
PCTGRO	***Percent growth establishments, 1998-2001 (R)***
ID	*Unique zip code ID for ID variable in weights matrix creation window*

(Classical) shift-share analysis

- Decomposition of regional growth into three components

$$R = N + M + S$$

Reference area component, or "growth effect" ⟵ Industry mix component, or "mix effect" ⟵ "Competitiveness" or "shift" component

Reference area component

- Sometimes called "national growth effect"
  - Because nation often used as reference area

$$N = \sum_i \left(\frac{E_n^t}{E_n^{t-1}} - 1 \right) E_{ir}^{t-1}$$

Total reference area growth rate — $\underbrace{E_n^t/E_n^{t-1} - 1}$

Sector employment in region — E_{ir}^{t-1}

Industry mix component

$$M = \sum_i \left[\left(\frac{E_{in}^t}{E_{in}^{t-1}} - 1 \right) - \left(\frac{E_n^t}{E_n^{t-1}} - 1 \right) \right] E_{ir}^{t-1}$$

Difference between industry and total growth rates, reference area (e.g., nation)

Regional share component

- Or "competitiveness" or "shift" component

$$S = \sum_i \left[\left(\frac{E_{ir}^t}{E_{ir}^{t-1}} - 1 \right) - \left(\frac{E_{in}^t}{E_{in}^{t-1}} - 1 \right) \right] E_{ir}^{t-1}$$

Difference between *industry i* growth in the region and *industry i* growth in the reference area

E_{ir} Industry *i*'s local employment
E_r Total local employment
E_{in} Industry *i*'s reference area employment
E_n Total reference area employment
T References period (usually year)