

**Manpower Utilization Quasi-longitudinal Data : 2018-2019**  
**Code Book**

| ques.num.               | variable name <sup>1</sup> | variable label  | value label  | note |
|-------------------------|----------------------------|---|--|------|
|                         | year                       | The survey year   |  |      |
| <b>Part I: Manpower</b> |                            |   |  |      |
|                         | area                       | Region  | 0. Taiwan Province<br>1. Taipei City<br>2. Kaohsiung City<br>3. New Taipei City<br>4. Taichung City<br>5. Tainan City<br>6. Taoyuan City   |      |
|                         | stage                      | Stratum   |  |      |
|                         | sampleid                   | Sample code   |  |      |
|                         | prefid                     | County code   | Refer to Appendix 1  |      |
|                         | hussize                    | Persons aged 15 years or over in each sampled household       |  |      |
|                         | memberid                   | Serial no. of interviewees in household                       | Householder is 1, and the others are filled by the household registration order.   |      |
| 0                       | respstatus                 | Are questions answered by interviewees himself/herself?       | 1. Yes, by himself/herself<br>2. Equivalent<br>3. No, proxy  |      |
| 1                       | relahushead                | Relationship to householder                                   | 01. Householder<br>02. Spouse<br>03. Child<br>04. Grandchild<br>05. Parent<br>06. Grandparent<br>07. Brother/Sister<br>08. Child's spouse<br>09. Grandchild's spouse<br>10. Brother's/Sister's spouse<br>11. Spouse's parent<br>12. Spouse's brother/sister<br>13. Other relatives<br>14. Others |      |
| 2                       | sex                        | Sex   | 1. Male<br>2. Female   |      |
| 3                       | age                        | Current age in full years                                     |  |      |
| 4                       | marital                    | Marital status  | 1. Never married<br>2. Married and cohabited<br>3. Divorced or separated<br>4. Widowed   |      |
| 5                       | schoolstatus               | Are you attending schools currently?                          | 1. Yes<br>2. No, had been graduated<br>3. No, had been suspended<br>4. No, never attended any school that is (was) approved by the ministry of education   |      |
|                         | train                      | Are you currently joining in any vocational training program? | 1. Yes<br>2. No  | 2019 |
|                         | edu                        | Educational attainment (highest)                              | 01. Illiterate<br>02. Self-educated  |      |

<sup>1</sup> Variables in the data file name by adding "\_1" and "\_2", "\_1" for the first phase of the data, "\_2" for the second phase of data.

| ques.num. | variable name <sup>1</sup> | variable label   | value label   | note |
|-----------|----------------------------|--|---|------|
|           |                            |  | 03. Primary school<br>04. Junior high school<br>05. Senior high school<br>06. Vocational school<br>07. Junior college<br>08. University<br>09. Master's<br>10. Ph. D's  |      |
| 6         | discipline                 | Academic or professional specialty   | 01. Literature<br>02. Law<br>03. Business, management,<br>Journalism and Information<br>04. Science<br>05. Engineering<br>06. Agriculture<br>07. Medical<br>08. Military and police<br>09. Education<br>10. Personal services<br>11. Arts and design<br>12. Social Sciences and services<br>13. Others  |      |
| 7         | retire                     | Did you retire from any public/private establishments before?(Have you retire from any public/private establishments yet?) | 1. Yes<br>2. No   |      |
| 8         | work                       | What were you doing during most of last week?  | 01. Undertaking some kind of work<br>02. Undertaking works after school hours<br>03. Undertaking works after housekeeping hours<br>04. Having a job but not at work<br>05. Jobless but seeking one or waiting for an offer after job seeking<br>06. Intending and being able to work but not seeking<br>07. Attending schools or rebrushing to take entrance exams (mark (2) and (5) respectively, if working part-time or seeking jobs simultaneously)<br>08. Housekeeping (mark (3) or (5) respectively, if working part-time or seeking jobs simultaneously)<br>09. Elderly (elders aged 65 or over) or disable persons<br>10. Idleness<br>11. Wound or illness<br>12. In armed force, prison or missing<br>13. Others |      |
| 9         | a9                         | Were you undertaking any paid or unpaid family work last week?   | 1. Undertaking work after school or housekeeping hours<br>2. Undertaking some kind of work<br>3. Having a job but not at work   |      |

| ques.num. | variable name <sup>1</sup>             | variable label                                 | value label  | note |
|-----------|--|--|--|------|
|           |  |  | 4. Not undertaking any job   |      |
| 10        | How many hours did you work last week? |  |  |      |
|           | workhour                               | For the major job: full time hours             |  |      |
|           | a10_1b                                 | For the major job: part time hours             |  |      |
|           | a10_2a                                 | For all other jobs : full time hours           |  |      |
|           | a10_2b                                 | For all other jobs : part time hours           |  |      |
| 11        | whyunderwork                           | Why did you work less than 35 hours last week? | 01. Unfavorable conditions of business<br>02. Unable to find a job which should work more than 35 hours per week<br>03. Seasonal reasons<br>04. Bad weather or natural calamities<br>05. Work itself only need to work less than 35 hours per week<br>06. Take care of children<br>07. Take care of elders<br>08. Busy in housekeeping<br>09. Busy in studying/attending school<br>10. Wounded or illness, official holidays, personal leaves (sick leaves excluded), and special days off<br>11. Unwilling to work longer<br>12. Others   | 2018 |
|           |  |  | 01. Unfavorable conditions of business<br>02. Unable to find a job which should work more than 35 hours per week<br>03. Seasonal reasons<br>04. Bad weather or natural calamities<br>05. Full-time workweek is less than 35 hours<br>06. Taking care of children under aged 12<br>07. Taking care of older family members aged 65 & over<br>08. Housekeeping (including taking care of other family members)<br>09. School/training<br>10. Wounded, illness or ill health<br>11. Official holidays, personal leaves except illness, special days off<br>12. Unwilling to work longer<br>13. Others | 2019 |
| 12        | incworkhour                            | Do you expect to increase working hours?       | 1. Yes<br>2. No  |      |
| 13        | whynotworking                          | Why were you absent from work last             | 1. Wound of illness  | 2018 |

| ques.num. | variable name <sup>1</sup>                    | variable label                                    | value label   | note |
|-----------|---|---|---|------|
|           |   | week?   | 2. Seasonal reasons<br>3. Official holidays, personal leaves , and special days off<br>4. Deciding to start working in the near future but no pay currently<br>5. Not starting to work yet for some reasons even though have employed and paidugh having employed and paid<br>6. Waiting for a recall to work<br>7. Others                                      |      |
|           |   |   | 1. Wounded, illness or ill health<br>2. Seasonal reasons<br>3. Official holidays, personal leaves , and special days off<br>4. Deciding to start working in the near future but no pay currently<br>5. Not starting to work yet for some reasons even though have employed and paidugh having employed and paid<br>6. Waiting for a recall to work<br>7. Others | 2019 |
| 14        | ifjobispaid                                   | Did you earn any pay from work last week?         | 1. Yes<br>2. No   |      |
| 15        | a15   | If there is a job offer, can you take it at once? | 1. Yes<br>3. No, because of attending school or rebrushing to take entrance exams<br>4. No, because of housekeeping<br>5. No, because of elderly (elders aged 65 or over) or disable persons<br>6. No, because of idleness<br>7. No, because of wounded or illness<br>8. No, because of others  | 2018 |
|           |   |   | 1. Yes<br>3. No, because of attending school or rebrushing to take entrance exams<br>4. No, because of housekeeping<br>5. No, because of elderly (elders aged 65 or over) or disable persons<br>6. No, because Wounded, illness or ill health<br>7. No, because Idleness<br>8. No, because of others  | 2019 |
| 16        | How did you seek a job?( tick all that apply) |   |   |      |
|           | jobsrh1                                       | Referenced by relatives, friends or teachers      | 0.No<br>1.Yes   |      |
|           | jobsrh2                                       | Through private employment agencies               |   |      |
|           | jobsrh3                                       | Referring recruiting advertisements or posters    |   |      |
|           | jobsrh4                                       | Through public employment offices                 |   |      |
|           | jobsrh5                                       | Through civil service exams and                   |   |      |

| ques.num. | variable name <sup>1</sup>                  | variable label  | value label  | note |
|-----------|---|---|--|------|
|           |   | placement   |  |      |
|           | jobsrh6                                     | Others  |  |      |
| 17        | srchp_fjob                                  | Do you expect to take a full-time job (35 or more hours per week) or a part-time job?                       | 1. A full-time job<br>2. A part-time job   |      |
| 18        | unemplen                                    | How long did you take for current job seeking or waiting for a recall to work since you were jobless? weeks | 99. Over 99 weeks  |      |
| 19        | primaryworker                               | Did you have a job before?  | 1. Yes<br>2. No  |      |
| 20        | whyunemp                                    | What was the main reason you left the last job mentioned in Q19?  | 1. Business shrunk or establishment closed<br>2. Unsatisfied to that job<br>3. Ill health<br>4. Seasonal or temporary work finished<br>5. Got married or gave birth (if interviewee is female)<br>6. Retired<br>7. Busy in housekeeping<br>8. Others   | 2018 |
|           |   |   | 1. Business shrunk or establishment closed<br>2. Unsatisfied to that job<br>3. Wounded, illness or ill health<br>4. Seasonal or temporary work finished<br>5. Got married or gave birth (if interviewee is female)<br>6. Retired<br>7. Taking care of children under aged 12<br>8. Taking care of older family members aged 65 & over<br>9. Housekeeping (including taking care of other family members)<br>10. Others | 2019 |
| 21        | What is the main workplace you are/were in? |   |  |      |
|           | workpref                                    | county code   | Refer to Appendix 1  |      |
|           | worktown                                    | Location of this workplace  | Refer to Appendix 2<br>0000. Skip or NA  |      |
|           | indu  | Major products or services  | Refer to Appendix 3  |      |
|           | indusize                                    | Number of employees   | 1. 1 person<br>2. 2-9 persons<br>3. 10-29 persons<br>4. 30-49 persons<br>5. 50-99 persons<br>6. 100-199 persons<br>7. 200-499 persons<br>8. 500 persons or more<br>9. Government or public sector  |      |
|           | a21_b2                                      | What is the secondary workplace you are/were in?(2) Major products or services                              | Refer to Appendix 3  |      |
| 22        | occu  | What is/was your duty in the main workplace mentioned in Q21?A. Description of the major job                | Refer to Appendix 4  |      |

| ques.num.                             | variable name <sup>1</sup>  | variable label  | value label  | note |
|---------------------------------------|---|---|--|------|
|                                       | a22_b   | What is/was your duty in the main workplace mentioned in Q21?B. Description of the secondary job                          |  |      |
| 23                                    | What is/was the class of workers you are/were in for the undertaken work?           |   |  |      |
|                                       | workstus  | A. For the major job  | 1. Employer  |      |
|                                       | a23_b   | B. For the secondary job  | 2. Own-account worker<br>3. Government employee<br>4. Private-sector employee<br>5. Unpaid family worker   |      |
| <b>Part II : Manpower Utilization</b> |   |   |  |      |
| 1                                     | How much monthly income did you earn from your major job?                           |   |  |      |
|                                       | income  | A. Monthly income: NT\$ _____   | 000001. Financial deficiency<br>999999. NT\$1,000,000 and over   |      |
|                                       | b1_b  | B. What's the way of salary payment?  | 1. By month<br>2. By hour<br>3. By day<br>4. By performance<br>5. By the pieces of wok done<br>6. Others   |      |
| 2                                     | b2_a  | Do you work full-time or part-time at your major job?   | 1. Full-time<br>2. Part-time   |      |
|                                       | b2_b  | How many hours do your usually work per week at your major job? _____ Hours   |  |      |
|                                       | b2_c  | Is it a temporary or dispatched work ?  | 1. Yes<br>2. No  |      |
|                                       | b2_d  | Major reason to take a part-time, temporary or dispatched work at major job   | 0. Skip or N/A<br>1. Holding multiple jobs concurrently<br>2. With a burden of housekeeping<br>3. Attending schools or training programs<br>4. Failing to get a regular full-time job<br>5. Occupational features<br>6. Ill health, wound or illness<br>7. Preparing employment or certificate exams<br>8. Preferring this type of work<br>9. Others<br>10. Do not take part-time, temporary or dispatched work at major job |      |
|                                       | b2_e  | Whether preferring to take a regular full-time work at major job?   | 1. Yes<br>2. No  |      |
|                                       | b2_f  | Main reason for not preferring a regular full-time work at major job?   | 1. Believe there are no jobs available<br>2. Believe there are no jobs for which they qualify<br>3. Others   |      |
|                                       |   |   |  |      |
| 3                                     | How long have you been working at the present place? Duration of present employment |   |  |      |
|                                       | cjobyear  | Years   |  |      |
|                                       | cjobmonth   | Months  |  |      |
| 4                                     | b4  | Before working at the present place, had you ever taken a gainful job or an unpaid family work for at least three months? | 1. Yes<br>2. No  |      |
| 5                                     | nochgjob  | How many times have you changed   | 0. None  |      |

| ques.num. | variable name <sup>1</sup>  | variable label  | value label   | note |
|-----------|---|---|---|------|
|           |   | your working places during 2012/2013?                                   | 1. Once<br>2. Twice<br>3. Three times or more   |      |
| 6         | Where was the place you previously worked and what sort of work did you mainly do up there? |   |   |      |
|           | pworkpref   | A. Major working place :county code                                     | Refer to Appendix 1   |      |
|           | pworktown   | A. Major working place (1) Location                                     | Refer to Appendix 2   |      |
|           | pindu   | A. Major working place (2)Major products or services and complany title | Refer to Appendix 3   |      |
|           | pindusize   | A. Major working place (3)Number of employees                           | 1. 1 person<br>2. 2-9 persons<br>3. 10-29 persons<br>4. 30-49 persons<br>5. 50-99 persons<br>6. 100-199 persons<br>7. 200-499 persons<br>8. 500 persons or more<br>9. Government organization   |      |
|           | poccu   | B. Description of this major job  | Refer to Appendix 4   |      |
|           | b6_c  | C. Is it a part-time, temporary or dispatched work?                     | 1. Yes<br>2. No   |      |
| 7         | whyquitpjob   | Why did you leave the place where you previously worked at?             | 01.Own account worker (or employer) transferred to another job<br>02.Unpaid family worker transferred to another job<br>03. Employee who left his/ her last job on his/ her own will : Low pay<br>04.Employee who left his/ her last job on his/ her own will : Expecting to change working place<br>05.Employee who left his/ her last job on his/ her own will : Inadequate working time<br>06.Employee who left his/ her last job on his/ her own will : No job security<br>07.Employee who left his/ her last job on his/ her own will : Poor working environment<br>08.Employee who left his/ her last job on his/ her own will : Knowledge not met the job's need<br>09.Employee who left his/ her last job on his/ her own will : Dim prospect<br>10.Employee who left his/ her last job on his/ her own will : Ill health<br>11.Employee who left his/ her last job on his/ her own will : Getting married or giving birth<br>12.Employee who left his/ her last job on his/ her own will : Voluntarily retired | 2018 |

| ques.num. | variable name <sup>1</sup> | variable label | value label   | note |
|-----------|----------------------------|----------------|---|------|
|           |                            |                | 13.Employee who left his/ her last job on his/ her own will : Establishing self/ family own business/enterprise<br>14.Employee who left his/ her last job on his/ her own will : Others<br>15.Employee who unwillingly left his/her last job: Workplace business shrink or shutout<br>16.Employee who unwillingly left his/her last job: Seasonal or temporary job completed<br>17.Employee who unwillingly left his/her last job: Layoff because of personnel reorganization in last workplace<br>18.Employee who unwillingly left his/her last job: Getting married or giving birth<br>19.Employee who unwillingly left his/her last job: Relocating across workplaces but within enterprise<br>20.Employee who unwillingly left his/her last job: Mandatorily retired<br>21.Employee who unwillingly left his/her last job: Others |      |
|           |                            |                | 01.Own account worker (or employer) transferred to another job<br>02.Unpaid family worker transferred to another job<br>03. Employee who left his/ her last job on his/ her own will : Low pay<br>04.Employee who left his/ her last job on his/ her own will : Expecting to change working place<br>05.Employee who left his/ her last job on his/ her own will : Inadequate working time<br>06.Employee who left his/ her last job on his/ her own will : No job security<br>07.Employee who left his/ her last job on his/ her own will : Poor working environment<br>08.Employee who left his/ her last job on his/ her own will : Knowledge not met the job's need<br>09.Employee who left his/ her last job on his/ her own will : Dim prospect<br>10.Employee who left his/ her last job on his/ her own will : Ill            | 2019 |



| ques.num. | variable name <sup>1</sup> | variable label  | value label   | note |
|-----------|----------------------------|---|---|------|
|           |                            |   | health<br>11. Employee who left his/ her last job on his/ her own will :<br>Getting married or giving birth<br>12. Employee who left his/her last job on his/her own will:<br>Responsibility in taking care of children under age 12<br>13. Employee who left his/her last job on his/her own will:<br>Responsibility in taking care of elder family members age 65 years & over.<br>14. Employee who left his/her last job on his/her own will:<br>Housekeeping<br>15. Employee who left his/her last job on his/her own will:<br>Voluntarily (financial incentives) retired<br>16. Employee who left his/her last job on his/her own will: Establishing self/family own business/enterprise<br>17. Employee who left his/her last job on his/her own will: Others<br>18. Employee who unwillingly left his/her last job: Workplace business shrinkage or shutout<br>19. Employee who unwillingly left his/her last job: Seasonal or temporary job completed<br>20. Employee who unwillingly left his/her last job: Layoff because of personnel reorganization in last workplace<br>21. Employee who unwillingly left his/her last job: Getting married or giving birth<br>22. Employee who unwillingly left his/her last job: Relocating across workplaces but within enterprise<br>23. Employee who unwillingly left his/her last job: Mandatorily retired<br>24. Employee who unwillingly left his/her last job: Others |      |
| 8         | inttochgjob                | Do you expect to change job or have additional job in the meantime? | 1. Expect to change job<br>2. Expect to add an additional job<br>3. Not expected to seek another job  |      |
| 9         | startsrhjob                | Have you begun to seek a job?                                       | 1. Yes, I have<br>2. No, I have not   |      |
| 10        | expoccu                    | A. What kind of job do you wish to seek ? job title                 | Refer to Appendix 4   |      |
|           | expincome                  | B. How much monthly pay do you expect at least ?                    |   |      |

| ques.num. | variable name <sup>1</sup>   | variable label  | value label  | note |
|-----------|--|---|--|------|
|           | b10_c  | C. Is it a part-time, temporary or dispatched work ?  | 1. Yes<br>2. No  |      |
|           | b10_d1   | What kind of job do you wish to seek?<br>D.Can you accept work shift, regular overtime or rotational leave?<br>(1)Cannot accept any one above | 1. No. Cannot accept any one above<br>2. Can accept  |      |
|           | What kind of job do you wish to seek? D.Can you accept work shift, regular overtime or rotational leave?<br>(2)Can accept (multiple choices) |   |  |      |
|           | b10_d2_1   | Work shift  | 0.No   |      |
|           | b10_d2_2   | Regular overtime  | 1.Yes  |      |
|           | b10_d2_3   | Rotational leave  |  |      |
| 11        | Where is the location of the job you searched?   |   |  |      |
|           | b11_a1   | A. Location of searched job (1)Only limited in _____ County/City  | Refer to Appendix 1  |      |
|           | A. Location of searched job (2)Not limited in one County/City, including area below (multiple choices)                                       |   |  |      |
|           | b11_a2_1   | Northern region   | 0.No   |      |
|           | b11_a2_2   | Central region  | 1.Yes  |      |
|           | b11_a2_3   | Southern region   |  |      |
|           | b11_a2_4   | Eastern region  |  |      |
|           | b11_a2_5   | Kingmen/Matsu area  |  |      |
|           | b11_a2_6   | H.K., Macau or China  |  |      |
|           | b11_a2_7   | Other country   |  |      |
| 12        | Did you have any job opportunity in seeking process?   |   |  |      |
|           | havingjobopp   | A. Yes. What was the main reason that you did not go for it?  | 0. skip or NA<br>1. Unfavorable pay  |      |
|           | b12_a2   | A. Yes. What was the secondary reason that you did not go for it?   | 2. Unpreferable working location<br>3. Poor working environment  |      |
|           | b12_a3   | A. Yes. What was the sub-secondary reason that you did not go for it?   | 4. Inadequate working hours<br>5. Work shift or rotational leave requirements<br>6. Knowledge can't meet the job's need<br>7. Dim prospect<br>8. Lack of interests<br>9. Others    |      |
| 12        | Did you have any job opportunity in seeking process?   |   |  |      |
|           | b12_b1   | B-1.No. What was the main reason that you could not find a job?   | 1. Never met suitable offer<br>2. Never got interview opportunity or never pass the written test<br>3. Only got interviews but never got hired<br>4. Others                        |      |
|           | nojobopp   | B-2.No. What was the major difficulty that you faced in job seeking process?  | 01. Expertise unfitted<br>02. Educational attainment unfitted  |      |
|           | b12_b2_2   | B-2.No. What was the secondary difficulty that you faced in job seeking process?  | 03. Age limit imposed<br>04. Sex status restricted on job openings   |      |
|           | b12_b2_3   | B-2.No. What was the sub-secondary difficulty that you faced in job seeking process?  | 05. Language barrier<br>06. Marital status restricted on job openings<br>07. No favorable job available<br>08. Unfavorable pay<br>09. Unfavorable working conditions<br>10. Others |      |

| ques.num. | variable name <sup>1</sup>   | variable label  | value label  | note |
|-----------|--|---|--|------|
| 13        | b13_1  | Were you employed more than 3 months or worked as an unpaid family worker in last year? What is your job title? | Refer to Appendix 4  |      |
|           | b13_2  | Were you employed more than 3 months or worked as an unpaid family worker in last year?                         | 2. No  |      |
| 14        | b14  | Why did you quit your job? (Unpaid family workers skip this question)   | 1. Attending schools or rebrushing to take entrance exams<br>2. Housekeeping<br>3. Female employee getting married or giving birth<br>4. Family finance getting better<br>5. Wound or illness<br>6. Retired<br>7. Seasonal or temporary job completed<br>8. Business shrunk or establishment closed<br>9. Others   | 2018 |
|           |  |   | 1. Attending schools or rebrushing to take entrance exams<br>2. Female employee getting married or giving birth<br>3. Responsibility in taking care of children under age 12<br>4. Responsibility in taking care of elder family members age 65 years & over<br>5. Housekeeping (including those who have responsibility in taking care of disabled family members)<br>6. Family finance getting better<br>7. Wound or illness<br>8. Retired<br>9. Seasonal or temporary job completed<br>10. Not satisfied to that job<br>11. Business shrunk or establishment closed<br>12. Others | 2019 |
| 15        | b15  | Had you sought for a job in last year? Why did you stop seeking?  | 1. Yes. Believes no job available in the market .<br>2. Yes. Lacks necessary schooling, training, skills or experience etc., couldn't find any job.<br>3. Yes. Other reasons, so stop seeking.<br>4. No. Not sought yet in last year   |      |
| 16        | If the work condition (pay, working place, working hours, type and so on) of a job ideally meet your requirement, are you willing to work? |   |  |      |
|           | b16_a1   | A. Yes, expected job title  | Refer to Appendix 4  |      |
|           | b16_a2   | A. Yes, expected working location   | Refer to Appendix 2<br>0000. skip or NA  |      |
|           | b16_a3   | A. Yes, expected monthly pay  |  |      |

| ques.num. | variable name <sup>1</sup>                       | variable label   | value label   | note   |
|-----------|--|--|---|--|
|           | b16_a4   | A. Yes, expected job type  | 1. Full-time job<br>2. Part-time job  |  |
|           | b16_a5   | A. Yes, is it a temporary or dispatched work?  | 1. Yes<br>2. No   |  |
|           | b16_b  | B. No. Why not willing to work?  | 1. Female employee getting married or giving birth<br>2. Enough family income, no need to work<br>3. Responsibility in taking care of children under age 12<br>4. Responsibility in taking care of elder family members age 65 years & over<br>5. Responsibility in taking care of disabled family members<br>6. Housekeeping<br>7. Disabled<br>8. Ill health, wound or illness (not including disabled)<br>9. Attending schools or rebrushing to take entrance exams<br>10. Waiting for conscription<br>11. Giving a helping hand to family business (as an unpaid family worker in a family own business)<br>12. Getting older: the interviewee felt himself/herself was too old to work (must age 50 & over)<br>13. Others |  |
| 17        | How many children do you have? A. Have children: |  |   |  |
|           | b17_a1   | children aged under 3 years<br>____persons   |   |  |
|           | b17_a2   | children aged 3-6 years ____ persons   |   |  |
|           | b17_a3   | children aged 6-12 years ____ persons  |   |  |
|           | b17_a4   | children aged 12-15 years ____ persons   |   |  |
|           | b17_a5   | children aged 15-18 years ____ persons   |   |  |
|           | b17_a6   | children aged over 18 years<br>____persons   |   |  |
|           | b17_c  | The serial number in manpower survey of your husband (or cohabited) (skip if he is not in household) |   |  |
|           | havingchild                                      | How many children do you have?   | 1. No children yet<br>2. Have children  | A female interviewee who is married or cohabited, divorced, separated or widowed is eligible to response; otherwise skip it. |
|           | weight   | Weight   |   |  |
|           | newjobopp  | Do you have new job opportunity?   | 1. Yes  | Created  |

| ques.num. | variable name <sup>1</sup> | variable label                               | value label           | note     |
|-----------|----------------------------|--|-----------------------|----------|
|           |                            |  | 2.No                  | variable |
|           | cjobseniority              | Job tenure                                   | cjobyear+cjobmonth/12 |          |
|           | adjwei_1                   | Phase I expansion of the weighted            |                       |          |
|           | adjwei_2                   | Phase II expansion of the weighted           |                       |          |
|           | avgadjwei                  | The weighted average of Phase I and Phase II |                       |          |

## Appendix 1 County Code

|    |  |
|----|--|
| 02 | Yilan County                                   |
| 03 | Taoyuan County                                 |
| 04 | Hsinchu County                                 |
| 05 | Miaoli County                                  |
| 07 | Changhua County                                |
| 08 | Nantou County                                  |
| 09 | Yunlin County                                  |
| 10 | Chiayi County                                  |
| 13 | Pingtung County                                |
| 14 | Taitung County                                 |
| 15 | Hualien County                                 |
| 16 | Penghu County                                  |
| 17 | Keelung City                                   |
| 18 | Hsinchu City                                   |
| 20 | Chiayi City                                    |
| 63 | Taipei City                                    |
| 64 | Kaohsiung City                                 |
| 65 | New Taipei City                                |
| 66 | Taichung City                                  |
| 67 | Tainan City                                    |
| 68 | Taoyuan City                                   |
| 75 | Kinmen County and Matsu County                 |
| 76 | Mainland China (including Hong Kong and Macao) |
| 77 | Foreign Area                                   |

## Appendix 2 Townships Code

|      |                                   |      |                                     |      |                                    |
|------|-----------------------------------|------|-------------------------------------|------|------------------------------------|
| 0200 | Yilan County                      | 0505 | Toufen Township, Miaoli County      | 0716 | Yongjing Township, Changhua County |
| 0201 | Yilan City, Yilan County          | 0506 | Houlong Township, Miaoli County     | 0717 | Shetou Township, Changhua County   |
| 0202 | Luodong Township, Yilan County    | 0507 | Jhuolan Township, Miaoli County     | 0718 | Ershuei Township, Changhua County  |
| 0203 | Suao Township, Yilan County       | 0508 | Dahu Township, Miaoli County        | 0719 | Beidou Township, Changhua County   |
| 0204 | Toucheng Township, Yilan County   | 0509 | Gongguan Township, Miaoli County    | 0720 | Erlin Township, Changhua County    |
| 0205 | Jiaosi Township, Yilan County     | 0510 | Tongluo Township, Miaoli County     | 0721 | Tianwei Township, Changhua County  |
| 0206 | Jhuangwei Township, Yilan County  | 0511 | Nanjhuang Township, Miaoli County   | 0722 | Beitou Township, Changhua County   |
| 0207 | Yuanshan Township, Yilan County   | 0512 | Touwu Township, Miaoli County       | 0723 | Fangyuan Township, Changhua County |
| 0208 | Dongshan Township, Yilan County   | 0513 | Sanyi Township, Miaoli County       | 0724 | Dacheng Township, Changhua County  |
| 0209 | Wujie Township, Yilan County      | 0514 | Sihu Township, Miaoli County        | 0725 | Jhutang Township, Changhua County  |
| 0210 | Sansing Township, Yilan County    | 0515 | Zaoctiao Township, Miaoli County    | 0726 | Sijhou Township, Changhua County   |
| 0211 | Datong Township, Yilan County     | 0516 | Sanwan Township, Miaoli County      | 0800 | Nantou County                      |
| 0212 | Nanao Township, Yilan County      | 0517 | Shihtan Township, Miaoli County     | 0801 | Nantou City, Nantou County         |
| 0400 | Hsinchu County                    | 0518 | Taian Township, Miaoli County       | 0802 | Puli Township, Nantou County       |
| 0401 | Jhubei City, Hsinchu County       | 0700 | Changhua County                     | 0803 | Caotun Township, Nantou County     |
| 0402 | Jhudong Township, Hsinchu County  | 0701 | Changhua City, Changhua County      | 0804 | Jhushan Township, Nantou County    |
| 0403 | Sinpu Township, Hsinchu County    | 0702 | Lugang Township, Changhua County    | 0805 | Jiji Township, Nantou County       |
| 0404 | Guansi Township, Hsinchu County   | 0703 | Hemei Township, Changhua County     | 0806 | Mingjian Township, Nantou County   |
| 0405 | Hukou Township, Hsinchu County    | 0704 | Siansi Township, Changhua County    | 0807 | Lugu Township, Nantou County       |
| 0406 | Sinfong Township, Hsinchu County  | 0705 | Shengang Township, Changhua County  | 0808 | Jhongliao Township, Nantou County  |
| 0407 | Cyonglin Township, Hsinchu County | 0706 | Fusing Township, Changhua County    | 0809 | Yuchih Township, Nantou County     |
| 0408 | Hengshan Township, Hsinchu County | 0707 | Sioushuei Township, Changhua County | 0810 | Guosing Township, Nantou County    |
| 0409 | Beipu Township, Hsinchu County    | 0708 | Huatan Township, Changhua County    | 0811 | Shueili Township, Nantou County    |
| 0410 | Baoshan Township, Hsinchu County  | 0709 | Fenyuan Township, Changhua County   | 0812 | Sinyi Township, Nantou County      |
| 0411 | Emei Township, Hsinchu County     | 0710 | Yuanlin Township, Changhua County   | 0813 | Renai Township, Nantou County      |
| 0412 | Jianshih Township, Hsinchu County | 0711 | Sihu Township, Changhua County      | 0900 | Yunlin County                      |
| 0413 | Wufong Township, Hsinchu County   | 0712 | Tianjhong Township, Changhua County | 0901 | Douliou City, Yunlin County        |
| 0500 | Miaoli County                     | 0713 | Dacun Township, Changhua County     | 0902 | Dounan Township, Yunlin County     |
| 0501 | Miaoli City, Miaoli County        | 0714 | Puyan Township, Changhua County     | 0903 | Huwei Township, Yunlin County      |
| 0502 | Yuanli Township, Miaoli County    | 0715 | Pusin Township, Changhua County     | 0904 | Siluo Township, Yunlin County      |
| 0503 | Tongsiao Township, Miaoli County  |      |                                     | 0905 | Tuku Township, Yunlin County       |
| 0504 | Jhunan Township, Miaoli County    |      |                                     |      |                                    |

|      |   |      |                                     |      |                                    |
|------|---|------|-------------------------------------|------|------------------------------------|
| 0906 | County<br>Beigang Township, Yunlin County | 1016 | Fanlu Township, Chiayi County       |      | County                             |
| 0907 | Gukeng Township, Yunlin County            | 1017 | Dapu Township, Chiayi County        | 1328 | Majia Township, Pingtung County    |
| 0908 | Dabi Township, Yunlin County              | 1018 | Alishan Township, Chiayi County     | 1329 | Taiwu Township, Pingtung County    |
| 0909 | Cihtong Township, Yunlin County           | 1300 | Pingtung County                     | 1330 | Laiyi Township, Pingtung County    |
| 0910 | Linnei Township, Yunlin County            | 1301 | Pingtung City, Pingtung County      | 1331 | Chunrih Township, Pingtung County  |
| 0911 | Erlun Township, Yunlin County             | 1302 | Chaozhou Township, Pingtung County  | 1332 | Shihzih Township, Pingtung County  |
| 0912 | Lunbei Township, Yunlin County            | 1303 | Donggang Township, Pingtung County  | 1333 | Mudan Township, Pingtung County    |
| 0913 | Mailiao Township, Yunlin County           | 1304 | Hengchun Township, Pingtung County  | 1400 | Taitung County                     |
| 0914 | Dongshih Township, Yunlin County          | 1305 | Wandan Township, Pingtung County    | 1401 | Taitung City, Taitung County       |
| 0915 | Baozhong Township, Yunlin County          | 1306 | Changjhih Township, Pingtung County | 1402 | Chenggong Township, Taitung County |
| 0916 | Taisi Township, Yunlin County             | 1307 | Linluo Township, Pingtung County    | 1403 | Guanshan Township, Taitung County  |
| 0917 | Yuanchang Township, Yunlin County         | 1308 | Jiouru Township, Pingtung County    | 1404 | Beinan Township, Taitung County    |
| 0918 | Sihhu Township, Yunlin County             | 1309 | Ligang Township, Pingtung County    | 1405 | Luye Township, Taitung County      |
| 0919 | Kouhu Township, Yunlin County             | 1310 | Yanpu Township, Pingtung County     | 1406 | Chihshang Township, Taitung County |
| 0920 | Shueilin Township, Yunlin County          | 1311 | Gaoshu Township, Pingtung County    | 1407 | Donghe Township, Taitung County    |
| 1000 | Chiayi County                             | 1312 | Wanluan Township, Pingtung County   | 1408 | Changbin Township, Taitung County  |
| 1001 | Taibao City, Chiayi County                | 1313 | Neipu Township, Pingtung County     | 1409 | Taimali Township, Taitung County   |
| 1002 | Puzih City, Chiayi County                 | 1314 | Jhutian Township, Pingtung County   | 1410 | Dawu Township, Taitung County      |
| 1003 | Budai Township, Chiayi County             | 1315 | Sinbi Township, Pingtung County     | 1411 | Lyudao Township, Taitung County    |
| 1004 | Dalin Township, Chiayi County             | 1316 | Fangliao Township, Pingtung County  | 1412 | Haiduan Township, Taitung County   |
| 1005 | Minsyong Township, Chiayi County          | 1317 | Sinyuan Township, Pingtung County   | 1413 | Yanping Township, Taitung County   |
| 1006 | Sikou Township, Chiayi County             | 1318 | Kanding Township, Pingtung County   | 1414 | Jinfong Township, Taitung County   |
| 1007 | Singang Township, Chiayi County           | 1319 | Linbian Township, Pingtung County   | 1415 | Daren Township, Taitung County     |
| 1008 | Lioujiao Township, Chiayi County          | 1320 | Nanjhou Township, Pingtung County   | 1416 | Lanyu Township, Taitung County     |
| 1009 | Dongshih Township, Chiayi County          | 1321 | Jiadong Township, Pingtung County   | 1500 | Hualien County                     |
| 1010 | Yijhu Township, Chiayi County             | 1322 | Liouciou Township, Pingtung County  | 1501 | Hualien City, Hualien County       |
| 1011 | Lucao Township, Chiayi County             | 1323 | Checheng Township, Pingtung County  | 1502 | Fonglin Township, Hualien County   |
| 1012 | Shueishang Township, Chiayi County        | 1324 | Manzhou Township, Pingtung County   | 1503 | Yuli Township, Hualien County      |
| 1013 | Jhongpu Township, Chiayi County           | 1325 | Fangshan Township, Pingtung County  | 1504 | Sincheng Township, Hualien County  |
| 1014 | Jhuci Township, Chiayi County             | 1326 | Sandimen Township, Pingtung County  | 1505 | Jian Township, Hualien County      |
| 1015 | Meishan Township, Chiayi County           | 1327 | Wutai Township, Pingtung County     | 1506 | Shoufong Township, Hualien County  |
|      |   |      |                                     | 1507 | Guangfu Township,                  |



Hualien County  
 1508 Fongbin Township,  
 Hualien County  
 1509 Rueisuei Township,  
 Hualien County  
 1510 Fuli Township, Hualien  
 County  
 1511 Sioulin Township, Hualien  
 County  
 1512 Wanrong Township,  
 Hualien County  
 1513 Jhuosi Township, Hualien  
 County  
 1600 Penghu County  
 1601 Magong City, Penghu  
 County  
 1602 Husi Township, Penghu  
 County  
 1603 Baisha Township, Penghu  
 County  
 1604 Siyu Township, Penghu  
 County  
 1605 Wangan Township, Penghu  
 County  
 1606 Cimei Township, Penghu  
 County  
 1700 Keelung City  
 1800 Hsinchu City  
 2000 Chiayi City  
 6300 Taipei City  
 6400 Kaohsiung City  
 6500 New Taipei City  
 6600 Taichung City  
 6700 Tainan City  
 6800 Taoyuan City  
 7500 Kinmen County and Matsu  
 County  
 7600 Mainland China (including  
 Hong Kong and Macao)  
 7700 Foreign Area

### Appendix 3 Industry code

|    |   |    |  |
|----|---|----|--|
| 01 | Agriculture and Animal Husbandry  | 52 | Support Activities for Transportation  |
| 02 | Forestry  | 53 | Warehousing and Storage  |
| 03 | Fishing   | 54 | Postal and Courier Activities  |
| 05 | Extraction of Crude Petroleum and Natural Gas                           | 55 | Accommodation  |
| 06 | Quarrying of Stone, Sand and Clay                                       | 56 | Food and Beverage Service Activities   |
| 07 | Other Mining and Quarrying  | 58 | Publishing Activities  |
| 08 | Manufacture of Food Products  | 59 | Motion Picture, Video and Television Programme Production, Sound Recording and Music Publishing Activities |
| 09 | Manufacture of Beverages  | 60 | Programming and Broadcasting Activities  |
| 10 | Manufacture of Tobacco Products   | 61 | Telecommunications   |
| 11 | Manufacture of Textiles   | 62 | Computer Systems Design Services   |
| 12 | Manufacture of Wearing Apparel and Clothing Accessories                 | 63 | Information Service Activities   |
| 13 | Manufacture of Leather, Fur and Related Products                        | 64 | Financial Intermediation   |
| 14 | Manufacture of Wood and of Products of Wood and Bamboo                  | 65 | Insurance  |
| 15 | Manufacture of Paper and Paper Products                                 | 66 | Securities, Futures and other Financing  |
| 16 | Printing and Reproduction of Recorded Media                             | 67 | Real Estate Development Activities   |
| 17 | Manufacture of Petroleum and Coal Products                              | 68 | Real Estate Operation and Related Activities   |
| 18 | Manufacture of Chemical Material  | 69 | Legal and Accounting Activities  |
| 19 | Manufacture of Chemical Products  | 70 | Activities of Head Offices; Management Consultancy Activities  |
| 20 | Manufacture of Pharmaceuticals and Medical Chemical Products            | 71 | Architecture and Engineering Activities; Technical Testing and Analysis                                    |
| 21 | Manufacture of Rubber Products  | 72 | Scientific Research and Development  |
| 22 | Manufacture of Plastics Products  | 73 | Advertising and Market Research  |
| 23 | Manufacture of Other Non-metallic Mineral Products                      | 74 | Specialized Design Activities  |
| 24 | Manufacture of Basic Metals   | 75 | Veterinary Activities  |
| 25 | Manufacture of Fabricated Metal Products                                | 76 | Other Professional, Scientific and Technical Activities  |
| 26 | Manufacture of Electronic Parts and Components                          | 77 | Rental and Leasing Activities  |
| 27 | Manufacture of Computers, Electronic and Optical Products               | 78 | Employment Activities  |
| 28 | Manufacture of Electrical Equipment                                     | 79 | Travel agency, Tour Operator, Reservation Service and Related Activities                                   |
| 29 | Manufacture of Machinery and Equipment                                  | 80 | Security and Investigation Activities  |
| 30 | Manufacture of Motor Vehicles and Parts                                 | 81 | Services to Buildings and Landscape Activities   |
| 31 | Manufacture of Other Transport Equipment and Parts                      | 82 | Business and Office Support Activities   |
| 32 | Manufacture of Furniture  | 83 | Public Administration and Defence; Compulsory Social Security  |
| 33 | Other Manufacturing   | 84 | Activities of Extraterritorial Organizations and Bodies  |
| 34 | Repair and Installation of Industrial Machinery and Equipment           | 85 | Education  |
| 35 | Electricity and Gas Supply  | 86 | Human Health Activities  |
| 36 | Water Supply  | 87 | Residential Care Activities  |
| 37 | Wastewater (Sewage) Treatment   | 88 | Social Work Activities without Accommodation   |
| 38 | Waste Collection, Treatment and Disposal Activities; Materials Recovery | 90 | Creative, Arts and Entertainment Activities  |
| 39 | Remediation Activities and Other Waste Management Services              | 91 | Libraries, Archives, Museums and Other Cultural Activities   |
| 41 | Construction of Buildings   | 92 | Gambling and Betting Activities  |
| 42 | Civil Engineering   | 93 | Sports Activities and Amusement and Recreation Activities  |
| 43 | Specialized Construction Activities                                     | 94 | Activities of Membership Organizations   |
| 45 | Wholesale Trade   | 95 | Maintenance and Repair of Personal and Household Goods   |
| 46 | Wholesale Trade   | 96 | Other Personal Service Activities  |
| 47 | Retail Trade  |    |  |
| 48 | Retail Trade  |    |  |
| 49 | Land Transportation   |    |  |
| 50 | Water Transportation  |    |  |
| 51 | Air Transportation  |    |  |

## **Appendix 4 Occupation Code**

|    |   |
|----|---|
| 01 | Armed Forces Occupations  |
| 11 | Legislators, Senior Officials and Chief Executives  |
| 12 | Administrative and Commercial Managers  |
| 13 | Production and Specialized Services Managers  |
| 14 | Hospitality, Retail and Other Establishments Services Managers  |
| 21 | Science and Engineering Professionals   |
| 22 | Health Professionals  |
| 23 | Teaching Professionals  |
| 24 | Business and Administration Professionals   |
| 25 | Information and Communications Technology Professionals   |
| 26 | Legal, Social and Cultural Professionals  |
| 31 | Science and Engineering Associate Professionals   |
| 32 | Health Associate Professionals  |
| 33 | Business and Administration Associate Professionals   |
| 34 | Legal, Social, Cultural and Related Associate Professionals   |
| 35 | Information and Communications Technicians  |
| 41 | General And Keyboard Clerks   |
| 42 | Customer Services Clerks  |
| 43 | Accounting, Production, Transport and Related Clerks  |
| 49 | Other Clerical Support Workers  |
| 51 | Personal Service Workers  |
| 52 | Sales Workers and Demonstrators   |
| 53 | Personal Care Workers   |
| 54 | Protective Services Workers   |
| 60 | Skilled Agricultural, Forestry and Fishery Workers Skilled Agricultural, Forestry and Fishery Workers |
| 71 | Building and Related Trades Workers   |
| 72 | Metal, Machinery and Related Trades Workers   |
| 73 | Handicraft and Printing Workers   |
| 74 | Electrical and Electronic Trades Workers  |
| 79 | Other Craft and Related Trades Workers  |
| 81 | Stationary Plant and Machine Operators  |
| 82 | Assemblers  |
| 83 | Drivers and Mobile Plant Operators  |
| 91 | Cleaners and Helpers  |
| 92 | Agricultural, Forestry and Fishery Labourers  |
| 93 | Labourers In Mining, Construction, Manufacturing and Transport  |
| 94 | Street Service Workers and No-Food Vendors  |
| 95 | Refuse Workers, Sweepers and Related Workders   |
| 99 | Other Elementary Labourers  |