

Manpower Utilization Quasi-longitudinal Data : 1990-1991  
Code Book

ques.num.	variable name <sup>1</sup>	variable label	value label	note
<b>Part I: 1990 Manpower</b>				
	year_1	The survey year(1990)		
	area_1	Region(1990)	1. Taipei City 2. Taiwan Province 3. Kaohsiung City	
	stage_1	Stratum(1990)		
	prefid_1	County code(1990)	Refer to Appendix 1	Due to standardization, all the codes complied with the contents of 1991.
	sampleid_1	Sample code(1990)		
	hussize_1	Persons aged 15 years or over in each sampled household(1990)		
	membered_1	Serial no. of interviewees in household(1990)	Householder is 1, and the others are filled by the household registration order.	
0	respstatus_1	Are questions answered by interviewees himself/herself ? (1990)	1. Yes, by himself/herself 2. Equivalent 3. No, proxy	
1	relahushead_1	Relationship to householder(1990)	01. Householder 02. Spouse 03. Child 04. Grandchild 05. Parent 06. Grandparent 07. Brother/Sister 08. Child's spouse 09. Grandchild's spouse 10. Brother's/Sister's spouse 11. Spouse's parent 12. Spouse's brother/sister 13. Other relatives 14. Others	
2	sex_1	Sex(1990)	1. Male 2. Female	
3	age_1	Current age in full years(1990)		
4	marital_1	Marital status(1990)	1. Never married 2. Married and cohabited 3. Divorced or separated 4. Widowed	
5	edu_1	Educational attainment (highest) (1990)	01. Illiterate 02. Self-educated 03. Primary school 04. Junior high school(Vocational junior high school) 05. Senior high school	

<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
			06. Vocational school 07. Junior college 08. University 09. Master's	
6	discipline_1	Academic or professional specialty(1990)	01. Literature 02. Law 03. Business 04. Science 05. Engineering 06. Agriculture 07. Medical 08. Military and police 09. Education 10. Others	
7	work_1	What were you doing during most of last week ? (1990)	01. Undertaking a kind of work 02. Undertaking works after school hours 03. Undertaking works after housekeeping 04. Having a job but not at work 05. Jobless but seeking one or waiting for an offer after seeking 06. Intend and be able to work but not seeking 07. Attending schools or rebrushing to take entrance exams (mark (2), if working part-time) 08. Housekeeping (mark (3), if working part-time) 09. Old age (elders aged 65 or over) or disable 10. In armed force, prison or missing 11. Others	
8	How many hours did you work last week ?			
	workhour_1	For the major job: A.paid job____hours (1990)		
	a8_1b_1	For the major job : B.unpaid family job____hours (1990)		
	a8_2a_1	For the secondary job : A.paid job____hours (1990)		
	a8_2b_1	For the secondary job : B.unpaid family job____hours (1990)		
	a8_3_1	Total : ____hours(1990)		
9	whyunderwork_1	Why did you work less than 40 hours last week ? (1990)	01. Busy in housekeeping 02. Busy in studying/attending school 03. Unwilling to work longer 04. Wound or illness 05. Official holidays, personal leaves (sick leaves excluded), and special days off 06. Seasonal reasons 07. Work itself only need less than 40 hours' efforts 08. Unfavorable conditions of	

ques.num.	variable name <sup>1</sup>	variable label	value label	note
			business 09. Bad weather or natural calamities 10. Others	
10	incworkhour_1	Do you expect an increase of working hours ? (1990)	1. Yes 2. No	
11	whynotworking_1	Why were you absent from work last week ? (1990)	1. Wound of illness 2. Seasonal reasons 3. Official holidays, personal leaves (sick leaves excluded), and special days off 4. Decide to work shortly but no pay for that currently 5. Not at work resulted from accidents even though having employed and paid 6. Waiting for a recall 7. Others	
12	ifjobispaid_1	Did you earn any pay from work last week ? (1990)	1. Yes 2. No	
13	a13_1	If there is a job offer, can you take it at once ? (1990)	1. Yes 3. No, because of attending school 4. No, because of housekeeping 5. No, because of old age (elders aged 65 or over) or disable 6. No, because of others	
14	How did you seek a job?( tick all that apply)			
(1)	jobsrh1_1	Referenced by relatives, friends or teachers (1990)	0.No 1.Yes	
(2)	jobsrh2_1	Through private employment agencies(1990)		
(3)	jobsrh3_1	Referring recruiting advertisements or posters(1990)		
(4)	jobsrh4_1	Through public employment offices(1990)		
(5)	jobsrh5_1	Through civil service exams and placement(1990)		
(6)	jobsrh6_1	Others(1990)		
15	srchp_fjob_1	Do you expect a full-time job (weekly work hours are 40 or more) or a part-time job (weekly work hours are less than 40) ? (1990)	1. A full-time job 2. A part-time job	
16	unemplen_1	How long did you take to seek a job or wait for a recall while you were jobless ? _____weeks (1990)	99. Over 99 weeks	
17	primaryworker_1	Did you have a job before ? (1990)	1. Yes 2. No	
18	whyunemp_1	What was the main reason you left the last job mentioned in Q.17 ? (1990)	1. Business shrunk or establishment closed 2. Not satisfied with that job 3. Ill health 4. Seasonal or temporary work of that job finished 5. Got married or gave birth (if interviewee is female) 6. Retired 7. Busy in housekeeping	

ques.num.	variable name <sup>1</sup>	variable label	value label	note
			8. Others	
19	What is the main workplace you are/were in ?			
	workpref_1	Working site: County code (1990)	Refer to Appendix 1	Due to standardization, all the codes complied with the contents of 1991.
	worktown_1	Working site: Location(1990)	Refer to Appendix 2	
	indu_1	Major products or business(1990)	Refer to Appendix 3	
	indusize_1	Number of employees(1990)	1. 1 person 2. 2-9 persons 3. 10-29 persons 4. 30-49 persons 5. 50-99 persons 6. 100-499 persons 7. 500 persons or more 8. Government organization	
	a19_b3_1	What is the secondary workplace you are/were in ? (2) Major products or business(1990)	Refer to Appendix 3	
20	What is/was your duty in the main workplace mentioned in Q.19 ?			
	occu_1	A. Description of the major job (1990)	Refer to Appendix 4	
	a20_b_1	B. Description of the secondary job (1990)		
21	What is/was the class of workers you are/were in for the undertaken work ?			
	workstus_1	For the major job(1990)	1. Employer 2. Own-account worker 3. Government employee 4. Private-sector employee 5. Unpaid family worker	
Part II : 1990 Manpower Utilization				
22	income_1	How much monthly income did you earn from your major job? Monthly income: NT\$_____(1990)	000001. Financial deficiency 999999. NT\$999,999 and over	
24	How long have you worked at the present place? Duration of present employment			
	cjobyear_1	____ Years(1990)		
	cjobmonth_1	____ Months(1990)		
25	b25_1	Before working at the present place, had you ever taken a gainful job or and unpaid family work for at least three months? (1990)	1. Yes, ever 2. No, never	
26	nochgjob_1	How many times have your working places been changed in 1989? (1990)	0. None 1. Once 2. Twice 3. Three times 4. Four times 5. Five times or more	
27	Where was the place you previously worked and what sort of work did you mainly do up there ?			

ques.num.	variable name <sup>1</sup>	variable label	value label	note
	pworkpref_1	A. Major working site: county code (1990)	Refer to Appendix 1	Due to standardization, all the codes complied with the contents of 1991.
	pworktown_1	A. Major working site (1) Location (1990)	Refer to Appendix 2	
	pindu_1	A. Major working site (2) Major products or business (1990)	Refer to Appendix 3	
	pindusize_1	A. Major working site (3) Number of employees (1990)	1. 1 person 2. 2-9 persons 3. 10-29 persons 4. 30-49 persons 5. 50-99 persons 6. 100-499 persons 7. 500 persons or more 8. Government organization	
	poccu_1	B. Description of this major job (1990)	Refer to Appendix 4	
28	whyquitpjob_1	Why did you leave the place where you previously worked ? (1990)	01. Own account worker (or employer) transfers to another job 02. Unpaid family worker transfers to another job 03. Employee who willingly left his/her last job: Low pay 04. Employee who willingly left his/her last job: Expect to change working place 05. Employee who willingly left his/her last job: : Inadequate working time 06. Employee who willingly left his/her last job: No job security 07. Employee who willingly left his/her last job: Poor working environment 08. Employee who willingly left his/her last job: Knowledge not met the job's need 09. Employee who willingly left his/her last job: Dim prospect 10. Employee who willingly left his/her last job: Ill health 11. Employee who willingly left his/her last job: Female employee getting married or giving birth 12. Employee who willingly left his/her last job: Voluntarily retired 13. Employee who willingly left his/her last job: Others 14. Employee who unwillingly left his/her last job: Workplace shutout or business downsize 15. Employee who unwillingly left	

ques.num.	variable name <sup>1</sup>	variable label	value label	note
			his/her last job: Seasonal or temporary job completed 16.Employee who unwillingly left his/her last job: Layoff because of personnel reorganization in last workplace 17.Employee who unwillingly left his/her last job: Female employee getting married or giving birth 18.Employee who unwillingly left his/her last job: Relocated across workplaces but within enterprise 19.Employee who unwillingly left his/her last job: Mandatorily retired 20.Employee who unwillingly left his/her last job: Others	
29	waygetcjob_1	How did you get the present job? (1990)	1. Introduced by relatives/friends or teachers 2. Through private employment agencies 3. Referring advertisements or posters 4. Through public employment service agencies 5. Passed government exams and joined placements for civil service 6. Relocated across workplaces but within enterprise 7. Self/family own business 8. Others	
30	inttochgjob_1	Do you expect to change job or add an additional job in the meantime? (1990)	1. Expect to change job 2. Expect to add an additional job 3. Not expected to seek another job	
31	b31_1	If there is an ideal job meet your requirement, but the working site is in the other township, are you willing to work?	1. Yes, I do 2. No, I don't	
32	startsrhjob_1	Have you begun to seek a job? (1990)	1. Yes, I have 2. No, I have not	
33	expoccu_1	A.What kind of job do you expect to find? Your expected job title (1990)	Refer to Appendix 4	
	expincome_1	B. How much monthly pay do you expect? (1990)		
34	havingjobopp_1	Did you encounter any job opportunity while you were seeking? And why didn't you go for it? (1990)	1. Yes, but pay too low 2. Yes, but unpreferable working location 3. Yes, but long working hours or night working hours 4. Yes, but knowledge not met the job's need 5. Yes, others 6. No	

ques.num.	variable name <sup>1</sup>	variable label	value label	note
35	livcostsrc_1	What did you depend on for living while seeking a job? (1990)	1. Personal savings 2. Family supports 3. Layoff settlement or retiree's payments 4. Loans or other sources	
36	b36_1	Have you applied for a job through public employment service agencies in the past half year?(1990)	1. Yes 2. No. Never heard about them 3. No. Didn't know where they located 4. No. Doubtful of their capability to locate ideal jobs 5. No. There was no ideal job sought even though application filed 6 months before	
37	b37_1_1	Were you employed more than 3 months or worked as an unpaid family worker in 1989? What is your job title? (1990)	Refer to Appendix 4	
	b37_2_1	Were you employed more than 3 months or worked as an unpaid family worker in 1989? (1990)	2. No	
38	b38_1	Why did you quit your job in 1989? (Unpaid family workers skip this question) (1990)	1. Attending schools or rebrushing to take entrance exams 2. Housekeeping 3. Female employee getting married or giving birth 4. Wound or illness 5. Retired 6. Seasonal or temporary job completed 7. Working place shutout or business downsize 8. Others	
39	b39_1	Did you seek for a job in 1989? Why did you stop seeking? (1990)	1. Yes : No job sought for a long time, so stop seeking 2. Yes : Other reasons 3. No	
40	If the work condition (pay, working site, working hours, working environment and so on) of a job ideally meet your requirement;			
	b40_1_1	A. What is your expected monthly pay? (1990)		
	b40_2_1	B. Are you willing to work? (1990)	2. No	
41	How many children do you have? A. Have children:			
	b40_1_1	children aged over 18 years ____persons (1990)		
	b40_2_1	children aged 6-17 years ____persons (1990)		
	b40_3_1	children aged under 6 years ____persons (1990)		
	havingchild_1	How many children do you have? (1990)	1. No children yet 2. Have children	Married or cohabiting women have been answered.
	weight_1	Weight (1990)		
	newjobopp_1	Do you have new job opportunity? (1990)	1. Yes 2. No	Created variable
	cjobseniority_1	Job tenure (1990)	cjobyear+cjobmonth/12	

ques.num.	variable name <sup>1</sup>	variable label	value label	note
<b>Part III: 1991 Manpower</b>				
	year_2	The survey year(1991)		
	area_2	Region(1991)	1. Taipei City 2. Taiwan Province 3. Kaohsiung City	
	stage_2	Stratum(1991)		
	prefid_2	County code(1991)	Refer to Appendix 1	Due to standardization, all the codes complied with the contents of 1991.
	sampleid_2	Sample code(1991)		
	hussize_2	Persons aged 15 years or over in each sampled household(1991)		
	membered_2	Serial no. of interviewees in household(1991)	Householder is 1, and the others are filled by the household registration order.	
0	respstatus_2	Are questions answered by interviewees himself/herself ? (1991)	1. Yes, by himself/herself 2. Equivalent 3. No, proxy	
1	relahushead_2	Relationship to householder(1991)	01. Householder 02. Spouse 03. Child 04. Grandchild 05. Parent 06. Grandparent 07. Brother/Sister 08. Child's spouse 09. Grandchild's spouse 10. Brother's/Sister's spouse 11. Spouse's parent 12. Spouse's brother/sister 13. Other relatives 14. Others	
2	sex_2	Sex(1991)	1. Male 2. Female	
3	age_2	Current age in full years(1991)		
4	marital_2	Marital status(1991)	1. Never married 2. Married and cohabited 3. Divorced or separated 4. Widowed	
5	edu_2	Educational attainment (highest) (1991)	01. Illiterate 02. Self-educated 03. Primary school 04. Junior high school(Vocational junior high school) 05. Senior high school 06. Vocational school 07. Junior college 08. University 09. Master's	
6	discipline_2	Academic or professional specialty(1991)	01. Literature 02. Law 03. Business 04. Science	



ques.num.	variable name <sup>1</sup>	variable label	value label	note
			05. Engineering 06. Agriculture 07. Medical 08. Military and police 09. Education 10. Others	
7	work_2	What were you doing during most of last week ? (1991)	01. Undertaking a kind of work 02. Undertaking works after school hours 03. Undertaking works after housekeeping 04. Having a job but not at work 05. Jobless but seeking one or waiting for an offer after seeking 06. Intend and be able to work but not seeking 07. Attending schools or rebrushing to take entrance exams (mark (2), if working part-time) 08. Housekeeping (mark (3), if working part-time) 09. Old age (elders aged 65 or over) or disable 10. In armed force, prison or missing 11. Others	
8	How many hours did you work last week ?			
	workhour_2	For the major job: A.paid job____hours (1991)		
	a8_1b_2	For the major job : B.unpaid family job____hours (1991)		
	a8_2a_2	For the secondary job : A.paid job____hours (1991)		
	a8_2b_2	For the secondary job : B.unpaid family job____hours (1991)		
	a8_3_2	Total:____hours(1991)		
9	whyunderwork_2	Why did you work less than 40 hours last week ? (1991)	01. Busy in housekeeping 02. Busy in studying/attending school 03. Unwilling to work longer 04. Wound or illness 05. Official holidays, personal leaves (sick leaves excluded), and special days off 06. Seasonal reasons 07. Work itself only need less than 40 hours' efforts 08. Unfavorable conditions of business 09. Bad weather or natural calamities 10. Others	
10	incworkhour_2	Do you expect an increase of working hours ? (1991)	1. Yes 2. No	
11	whynotworking_2	Why were you absent from work last week ? (1991)	1. Wound of illness 2. Seasonal reasons	

ques.num.	variable name <sup>1</sup>	variable label	value label	note
			3. Official holidays, personal leaves (sick leaves excluded), and special days off 4. Decide to work shortly but no pay for that currently 5. Not at work resulted from accidents even though having employed and paid 6. Waiting for a recall 7. Others	
12	ifjobispaid_2	Did you earn any pay from work last week ? (1991)	1. Yes 2. No	
13	a13_2	If there is a job offer, can you take it at once ? (1991)	1. Yes 3. No, because of attending school 4. No, because of housekeeping 5. No, because of old age (elders aged 65 or over) or disable 6. No, because of others	
14	How did you seek a job?(tick all that apply)			
(1)	jobsrh1_2	Referenced by relatives, friends or teachers (1991)	0.No 1.Yes	
(2)	jobsrh2_2	Through private employment agencies(1991)		
(3)	jobsrh3_2	Referring recruiting advertisements or posters(1991)		
(4)	jobsrh4_2	Through public employment offices(1991)		
(5)	jobsrh5_2	Through civil service exams and placement(1991)		
(6)	jobsrh6_2	Others(1991)		
15	srchp_fjob_2	Do you expect a full-time job (weekly work hours are 40 or more) or a part-time job (weekly work hours are less than 40) ? (1991)	1. A full-time job 2. A part-time job	
16	unemplen_2	How long did you take to seek a job or wait for a recall while you were jobless ? _____weeks (1991)	99. Over 99 weeks	
17	primaryworker_2	Did you have a job before ? (1991)	1. Yes 2. No	
18	whyunemp_2	What was the main reason you left the last job mentioned in Q.17 ? (1991)	1. Business shrunk or establishment closed 2. Not satisfied with that job 3. Ill health 4. Seasonal or temporary work of that job finished 5. Got married or gave birth (if interviewee is female) 6. Retired 7. Busy in housekeeping 8. Others	
19	What is the main workplace you are/were in ?			
	workpref_2	Working site: County code (1991)	Refer to Appendix 1	
	worktown_2	Working site: Location(1991)	Refer to Appendix 2	
	indu_2	Major products or business(1991)	Refer to Appendix 3	

ques.num.	variable name <sup>1</sup>	variable label	value label	note
	indusize_2	Number of employees(1991)	1. 1 person 2. 2-9 persons 3. 10-29 persons 4. 30-49 persons 5. 50-99 persons 6. 100-499 persons 7. 500 persons or more 8. Government organization	
	a19_b3_2	What is the secondary workplace you are/were in ? Major products or business(1991)	Refer to Appendix3	
20	occu_2	What is/was your duty in the main workplace mentioned in Q.19 ? A. Description of the major job (1991)	Refer to Appendix 4	
	a20_b_2	What is/was your duty in the main workplace mentioned in Q.19 ? B. Description of the secondary job(1991)		
21	What is/was the class of workers you are/were in for the undertaken work ?			
	workstus_2	For the major job(1991)	1. Employer 2. Own-account worker 3. Government employee 4. Private-sector employee 5. Unpaid family worker	
Part IV: 1991 Manpower Utilization				
22	income_2	How much monthly income did you earn from your major job? Monthly income: NT\$_____(1991)	000001. Financial deficiency 999999. NT\$999,999 and over	
24	How long have you worked at the present place? Duration of present employment			
	cjobyear_2	_____ Years(1991)		
	cjobmonth_2	_____ Months(1991)		
25	nochgjob_2	How many times have your working places been changed in 1990? (1991)	0. None 1. Once 2. Twice 3. Three times or more	
26	Where was the place you previously worked and what sort of work did you mainly do up there ?			
	pworkpref_2	A. Major working site :county code(1991)	Refer to Appendix 1	
	pworktown_2	A. Major working site (1) Location(1991)	Refer to Appendix 2	
	pindu_2	A. Major working site (2)Major products or business(1991)	Refer to Appendix 3	
	pindusize_2	A. Major working site (3)Number of employees(1991)	1. 1 person 2. 2-9 persons 3. 10-29 persons 4. 30-49 persons 5. 50-99 persons 6. 100-499 persons 7. 500 persons or more 8. Government organization	
	poccu_2	B. Description of this major job(1991)	Refer to Appendix 4	
27	whyquitpjob_2	Why did you leave the place where you previously worked ? (1991)	01.Own account worker (or employer) transfers to another job 02.Unpaid family worker transfers	

ques.num.	variable name <sup>1</sup>	variable label	value label	note
			<p>to another job</p> <p>03.Employee who willingly left his/her last job: Low pay</p> <p>04.Employee who willingly left his/her last job: Expect to change working place</p> <p>05.Employee who willingly left his/her last job: : Inadequate working time</p> <p>06.Employee who willingly left his/her last job: No job security</p> <p>07.Employee who willingly left his/her last job: Poor working environment</p> <p>08.Employee who willingly left his/her last job: Knowledge not met the job's need</p> <p>09.Employee who willingly left his/her last job: Dim prospect</p> <p>10.Employee who willingly left his/her last job: Ill health</p> <p>11.Employee who willingly left his/her last job: Female employee getting married or giving birth</p> <p>12.Employee who willingly left his/her last job: Voluntarily retired</p> <p>13.Employee who willingly left his/her last job: Establish self own business/enterprise</p> <p>14.Employee who willingly left his/her last job: Others</p> <p>15.Employee who unwillingly left his/her last job: Workplace shutout or business downsize</p> <p>16.Employee who unwillingly left his/her last job: Seasonal or temporary job completed</p> <p>17.Employee who unwillingly left his/her last job: Layoff because of personnel reorganization in last workplace</p> <p>18.Employee who unwillingly left his/her last job: Female employee getting married or giving birth</p> <p>19.Employee who unwillingly left his/her last job: Relocated across workplaces but within enterprise</p> <p>20.Employee who unwillingly left his/her last job: Mandatorily retired</p> <p>21.Employee who unwillingly left his/her last job: Others</p>	

ques.num.	variable name <sup>1</sup>	variable label	value label	note
28	waygetcjob_2	How did you get the present job? (1991)	01.Introduced by relatives/friends or teachers 02.Through employment service offices in schools 03.Through public employment service agencies 04.Through private employment agencies 05.Through labor unions 06.Referring advertisements or posters 07.Passed government exams and joined placements for civil service 08.Relocated across workplaces but within enterprise 09.Self/family own business 10.Others	
29	inttochgcjob_2	Do you expect to change job or add an additional job in the meantime? (1991)	1. Expect to change job 2. Expect to add an additional job 3. Not expected to seek another job	
30	startsrhjob_2	Have you begun to seek a job? (1991)	1. Yes, I have 2. No, I have not	
31	expoccu_2	A. What kind of job do you expect to find? Your expected job title (1991)	Refer to Appendix 4	
	expincome_2	B. How much monthly pay do you expect? (1991)		
32	Did you encounter any difficulty while you were seeking?			
	b32_a1_2	A. Yes. What was the major difficulty that you faced in job seeking? (1991)	01. Interviewee's expertise unfitted to job openings 02. Interviewee's educational attainment unfitted to job openings	
	b32_a2_2	A. Yes. What was the secondary difficulty that you faced in job seeking? (1991)	03. Pay unfitted to job openings 04. Unpreferable working location	
	b32_a3_2	A. Yes. What was the sub-secondary difficulty that you faced in job seeking? (1991)	05. Age limit imposed on job openings 06. Sex status restricted on job openings 07. Language barrier 08. Marital status restricted on job openings 09. Don't know where can find the job opportunity 10. Others	
	b32_b1_2	B. No. What was the difficulty that you faced in job seeking? (1991)	11. No difficulty	
33	havingjobopp_2	Did you encounter any job opportunity while you were seeking? And why didn't you go for it? (1991)	1. Yes. Pay too low 2. Yes. Unpreferable working location 3. Yes. Long working hours or night working hours 4. Yes. Knowledge not met the job's need 5. Yes. Others 6. No	

ques.num.	variable name <sup>1</sup>	variable label	value label	note
34	livcostsrc_2	What did you depend on for living while seeking a job? (1991)	1. Personal savings 2. Family supports 3. Layoff settlement or retiree's payments 4. Loans or other sources	
35	b35_2	Have you applied for a job through public employment service agencies in the past half year?(1991)	1. Yes 2. No. Never heard about them 3. No. Didn't know where they located 4. No. Doubtful of their capability to locate ideal jobs 5. No. There was no ideal job sought even though application filed 6 months before	
36	b36_1_2	Were you employed more than 3 months or worked as an unpaid family worker in 1990? What is your job title? (1991)	Refer to Appendix 4	
	b36_2_2	Were you employed more than 3 months or worked as an unpaid family worker in 1990? (1991)	2. No	
37	b37_2	Why did you quit your job in 1990? (Unpaid family workers skip this question) (1991)	01. Attending schools or rebrushing to take entrance exams 02. Housekeeping 03. Female employee getting married or giving birth 04. Family finance getting better 05. Family finance burden getting lighter 06. Wound or illness 07. Retired 08. Seasonal or temporary job completed 09. Working place shutout or business downsize 10. Others	
38	b38_2	Did you seek for a job in 1990? Why did you stop seeking? (1991)	1. Yes : No job sought for a long time, so stop seeking 2. Yes : Other reasons 3. No	
39	If the work condition (working site, working hours, working environment and so on) of a job ideally meet your requirement ;			
	b39_a_2	A. What is your expected monthly pay? (1991)		
	b39_b_2	B. If the pay also meets your requirement, are you willing to work? (1991)	01. Yes. Full-time job 02. Yes. Part-time job 03. No. Female employee getting married or giving birth 04. No. Family finance is good enough, no need to work 05. No. Responsibility in taking care of family members 06. No. Assumed that it's impossible to find an ideal job 07. No. Ill health, wound or illness 08. No. Attending schools or rebrushing to take entrance exams	

ques.num.	variable name <sup>1</sup>	variable label	value label	note
			09. No. Waiting for conscription 10. Others	
40	How many children do you have? A. Have children:			
	b40_1_2	children aged over 18 years ____persons (1991)		
	b40_2_2	children aged 15-18 years ____persons (1991)		
	b40_3_2	children aged 6-15 years ____persons (1991)		
	b40_4_2	children aged 3-6 years ____persons (1991)		
	b40_5_2	children aged under 3 years ____persons (1991)		
	havingchild_2	How many children do you have? (1991)	1. No children yet 2. Have children	Married or cohabiting women have been answered.
	weight_2	Weight(1991)		
	newjobopp_2	Do you have new job opportunity? (1991)	1.Yes 2.No	Created variable
	cjobseniority	Job tenure(1991)	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**

01	Taipei County
02	Yilan County
03	Taoyuan County
04	Hsinchu County
05	Miaoli County
06	Taichung County
07	Changhua County
08	Nantou County
09	Yunlin County
10	Chiayi County
11	Tainan County
12	Kaohsiung County
13	Pingtung County
14	Taitung County
15	Hualien County
16	Penghu County
17	Keelung City
18	Hsinchu City
19	Taichung City
20	Chiayi City
21	Tainan City
63	Taipei City
64	Kaohsiung City
65	Kinmen County and Matsu County



## Appendix 2 Townships Code

100	Taipei County	207	Yuanshan Township, Yilan County	412	Jianshih Township, Hsinchu County
101	Banciao City, Taipei County	208	Dongshan Township, Yilan County	413	Wufong Township, Hsinchu County
102	Sanchong City, Taipei County	209	Wujie Township, Yilan County	500	Miaoli County
103	Jhonghe City, Taipei County	210	Sansing Township, Yilan County	501	Miaoli City, Miaoli County
104	Yonghe City, Taipei County	211	Datong Township, Yilan County	502	Yuanli Township, Miaoli County
105	Sinjhuang City, Taipei County	212	Nanao Township, Yilan County	503	Tongsiao Township, Miaoli County
106	Sindian City, Taipei County	300	Taoyuan County	504	Jhunan Township, Miaoli County
107	Shulin City, Taipei County	301	Taoyuan City, Taoyuan County	505	Toufen Township, Miaoli County
108	Yingge Township, Taipei County	302	Jhongli City, Taoyuan County	506	Houlong Township, Miaoli County
109	Sansia Township, Taipei County	303	Dasi Township, Taoyuan County	507	Jhuolan Township, Miaoli County
110	Danshuei Township, Taipei County	304	Yangmei Township, Taoyuan County	508	Dahu Township, Miaoli County
111	Sijhih City, Taipei County	305	Lujhu Township, Taoyuan County	509	Gongguan Township, Miaoli County
112	Rueifang Township, Taipei County	306	Dayuan Township, Taoyuan County	510	Tongluo Township, Miaoli County
113	Tucheng City, Taipei County	307	Gueishan Township, Taoyuan County	511	Nanjhuang Township, Miaoli County
114	Lujhou City, Taipei County	308	Bade City, Taoyuan County	512	Touwu Township, Miaoli County
115	Wugu Township, Taipei County	309	Longtan Township, Taoyuan County	513	Sanyi Township, Miaoli County
116	Taishan Township, Taipei County	310	Pingjhen City, Taoyuan County	514	Sihu Township, Miaoli County
117	Linkou Township, Taipei County	311	Sinwu Township, Taoyuan County	515	Zaociao Township, Miaoli County
118	Shenkeng Township, Taipei County	312	Guanyin Township, Taoyuan County	516	Sanwan Township, Miaoli County
119	Shihding Township, Taipei County	313	Fusing Township, Taoyuan County	517	Shihtan Township, Miaoli County
120	Pinglin Township, Taipei County	400	Hsinchu County	518	Taian Township, Miaoli County
121	Sanjhih Township, Taipei County	401	Jhubei City, Hsinchu County	600	Taichung County
122	Shihmen Township, Taipei County	402	Jhudong Township, Hsinchu County	601	Fongyuan City, Taichung County
123	Bali Township, Taipei County	403	Sinpu Township, Hsinchu County	602	Dongshih Township, Taichung County
124	Pingsi Township, Taipei County	404	Guansi Township, Hsinchu County	603	Dajia Township, Taichung County
125	Shuangsi Township, Taipei County	405	Hukou Township, Hsinchu County	604	Cingshuei Township, Taichung County
126	Gongliao Township, Taipei County	406	Sinfong Township, Hsinchu County	605	Shalu Township, Taichung County
127	Jinshan Township, Taipei County	407	Cyonglin Township, Hsinchu County	606	Wuci Township, Taichung County
128	Wanli Township, Taipei County	408	Hengshan Township, Hsinchu County	607	Houli Township, Taichung County
129	Wulai Township, Taipei County	409	Beipu Township, Hsinchu County	608	Shengang Township, Taichung County
200	Yilan County	410	Baoshan Township, Hsinchu County	609	Tanzih Township, Taichung County
201	Yilan City, Yilan County	411	Emei Township, Hsinchu County		
202	Luodong Township, Yilan County				
203	Suao Township, Yilan County				
204	Toucheng Township, Yilan County				
205	Jiaosi Township, Yilan County				
206	Jhuangwei Township, Yilan County				

610	Daya Township, Taichung County	720	Erlin Township, Changhua County	913	Mailiao Township, Yunlin County
611	Sinshe Township, Taichung County	721	Tianwei Township, Changhua County	914	Dongshih Township, Yunlin County
612	Shihgang Township, Taichung County	722	Beitou Township, Changhua County	915	Baojhong Township, Yunlin County
613	Waipu Township, Taichung County	723	Fangyuan Township, Changhua County	916	Taisi Township, Yunlin County
614	Daan Township, Taichung County	724	Dacheng Township, Changhua County	917	Yuanchang Township, Yunlin County
615	Wurih Township, Taichung County	725	Jhutang Township, Changhua County	918	Sihhu Township, Yunlin County
616	Dadu Township, Taichung County	726	Sijhou Township, Changhua County	919	Kouhu Township, Yunlin County
617	Longjing Township, Taichung County	800	Nantou County	920	Shueilin Township, Yunlin County
618	Wufong Township, Taichung County	801	Nantou City, Nantou County	1000	Chiayi County
619	Taiping City, Taichung County	802	Puli Township, Nantou County	1001	Taibao City, Chiayi County
620	Dali City, Taichung County	803	Caotun Township, Nantou County	1002	Puzih City, Chiayi County
621	Heping Township, Taichung County	804	Jhushan Township, Nantou County	1003	Budai Township, Chiayi County
700	Changhua County	805	Jiji Township, Nantou County	1004	Dalin Township, Chiayi County
701	Changhua City, Changhua County	806	Mingjian Township, Nantou County	1005	Minsyong Township, Chiayi County
702	Lugang Township, Changhua County	807	Lugu Township, Nantou County	1006	Sikou Township, Chiayi County
703	Hemei Township, Changhua County	808	Jhongliao Township, Nantou County	1007	Singang Township, Chiayi County
704	Siansi Township, Changhua County	809	Yuchih Township, Nantou County	1008	Lioujiao Township, Chiayi County
705	Shengang Township, Changhua County	810	Guosing Township, Nantou County	1009	Dongshih Township, Chiayi County
706	Fusing Township, Changhua County	811	Shueili Township, Nantou County	1010	Yijhu Township, Chiayi County
707	Sioushuei Township, Changhua County	812	Sinyi Township, Nantou County	1011	Lucao Township, Chiayi County
708	Huatan Township, Changhua County	813	Renai Township, Nantou County	1012	Shueishang Township, Chiayi County
709	Fenyuan Township, Changhua County	900	Yunlin County	1013	Jhongpu Township, Chiayi County
710	Yuanlin Township, Changhua County	901	Douliou City, Yunlin County	1014	Jhuci Township, Chiayi County
711	Sihu Township, Changhua County	902	Dounan Township, Yunlin County	1015	Meishan Township, Chiayi County
712	Tianjhong Township, Changhua County	903	Huwei Township, Yunlin County	1016	Fanlu Township, Chiayi County
713	Dacun Township, Changhua County	904	Siluo Township, Yunlin County	1017	Dapu Township, Chiayi County
714	Puyan Township, Changhua County	905	Tuku Township, Yunlin County	1018	Alishan Township, Chiayi County
715	Pusin Township, Changhua County	906	Beigang Township, Yunlin County	1100	Tainan County
716	Yongjing Township, Changhua County	907	Gukeng Township, Yunlin County	1101	Sinying City, Tainan County
717	Shetou Township, Changhua County	908	Dabi Township, Yunlin County	1102	Yanshuei Township, Tainan County
718	Ershuei Township, Changhua County	909	Cihtong Township, Yunlin County	1103	Baihe Township, Tainan County
719	Beidou Township, Changhua County	910	Linnei Township, Yunlin County	1104	Liouying Township, Tainan County
		911	Erlun Township, Yunlin County	1105	Houbi Township, Tainan County
		912	Lunbei Township, Yunlin County		

1106 Dongshan Township, Tainan County	County	1310 Yanpu Township, Pingtung County
1107 Madou Township, Tainan County	1207 Niasong Township, Kaohsiung County	1311 Gaoshu Township, Pingtung County
1108 Siaying Township, Tainan County	1208 Gangshan Township, Kaohsiung County	1312 Wanluan Township, Pingtung County
1109 Lioujia Township, Tainan County	1209 Ciaotou Township, Kaohsiung County	1313 Neipu Township, Pingtung County
1110 Guantian Township, Tainan County	1210 Yanchao Township, Kaohsiung County	1314 Jhutian Township, Pingtung County
1111 Danei Township, Tainan County	1211 Tianliao Township, Kaohsiung County	1315 Sinbi Township, Pingtung County
1112 Jiali Township, Tainan County	1212 Alian Township, Kaohsiung County	1316 Fangliao Township, Pingtung County
1113 Syuejia Township, Tainan County	1213 Lujhu Township, Kaohsiung County	1317 Sinyuan Township, Pingtung County
1114 Sigang Township, Tainan County	1214 Hunei Township, Kaohsiung County	1318 Kanding Township, Pingtung County
1115 Cigu Township, Tainan County	1215 Jiading Township, Kaohsiung County	1319 Linbian Township, Pingtung County
1116 Jiangjyun Township, Tainan County	1216 Yongan Township, Kaohsiung County	1320 Nanjhou Township, Pingtung County
1117 Beimen Township, Tainan County	1217 Mituo Township, Kaohsiung County	1321 Jiadong Township, Pingtung County
1118 Sinhua Township, Tainan County	1218 Zihguan Township, Kaohsiung County	1322 Liouciou Township, Pingtung County
1119 Shanhua Township, Tainan County	1219 Cishan Township, Kaohsiung County	1323 Checheng Township, Pingtung County
1120 Sinshih Township, Tainan County	1220 Meinong Township, Kaohsiung County	1324 Manjhou Township, Pingtung County
1121 Anding Township, Tainan County	1221 Liouguei Township, Kaohsiung County	1325 Fangshan Township, Pingtung County
1122 Shanshang Township, Tainan County	1222 Jiasian Township, Kaohsiung County	1326 Sandimen Township, Pingtung County
1123 Yujing Township, Tainan County	1223 Shanlin Township, Kaohsiung County	1327 Wutai Township, Pingtung County
1124 Nansi Township, Tainan County	1224 Neimen Township, Kaohsiung County	1328 Majia Township, Pingtung County
1125 Nanhua Township, Tainan County	1225 Maolin Township, Kaohsiung County	1329 Taiwu Township, Pingtung County
1126 Zuojhen Township, Tainan County	1226 Taoyuan Township, Kaohsiung County	1330 Laiyi Township, Pingtung County
1127 Rende Township, Tainan County	1227 Sanmin Township, Kaohsiung County	1331 Chunrih Township, Pingtung County
1128 Gueiren Township, Tainan County	1300 Pingtung County	1332 Shihzih Township, Pingtung County
1129 Guanmiao Township, Tainan County	1301 Pingtung City, Pingtung County	1333 Mudan Township, Pingtung County
1130 Longci Township, Tainan County	1302 Chaojhou Township, Pingtung County	1400 Taitung County
1131 Yongkang City, Tainan County	1303 Donggang Township, Pingtung County	1401 Taitung City, Taitung County
1200 Kaohsiung County	1304 Hengchun Township, Pingtung County	1402 Chenggong Township, Taitung County
1201 Fongshan City, Kaohsiung County	1305 Wandan Township, Pingtung County	1403 Guanshan Township, Taitung County
1202 Linyuan Township, Kaohsiung County	1306 Changjhih Township, Pingtung County	1404 Beinan Township, Taitung County
1203 Daliao Township, Kaohsiung County	1307 Linluo Township, Pingtung County	1405 Luye Township, Taitung County
1204 Dashu Township, Kaohsiung County	1308 Jiouru Township, Pingtung County	1406 Chihshang Township, Taitung County
1205 Dashe Township, Kaohsiung County	1309 Ligang Township, Pingtung County	1407 Donghe Township, Taitung County
1206 Renwu Township, Kaohsiung County		

1408 Changbin Township, Taitung County	1603 Baisha Township, Penghu County	6305 Jhongjheng Dist., Taipei City
1409 Taimali Township, Taitung County	1604 Siyu Township, Penghu County	6306 Datong Dist., Taipei City
1410 Dawu Township, Taitung County	1605 Wangan Township, Penghu County	6307 Wanhua Dist., Taipei City
1411 Lyudao Township, Taitung County	1606 Cimei Township, Penghu County	6308 Wunshan Dist., Taipei City
1412 Haiduan Township, Taitung County	1700 Keelung City	6309 Nangang Dist., Taipei City
1413 Yanping Township, Taitung County	1701 Jhongjheng Dist., Keelung City	6310 Neihu Dist., Taipei City
1414 Jinfong Township, Taitung County	1702 Cidu Dist., Keelung City	6311 Shihlin Dist., Taipei City
1415 Daren Township, Taitung County	1703 Nuannuan Dist., Keelung City	6312 Beitou Dist., Taipei City
1416 Lanyu Township, Taitung County	1704 Renai Dist., Keelung City	6400 Kaohsiung City
1500 Hualien County	1705 Jhongshan Dist., Keelung City	6401 Yancheng Dist., Kaohsiung City
1501 Hualien City, Hualien County	1706 Anle Dist., Keelung City	6402 Gushan Dist., Kaohsiung City
1502 Fonglin Township, Hualien County	1707 Sinyi Dist., Keelung City	6403 Zuoying Dist., Kaohsiung City
1503 Yuli Township, Hualien County	1800 Hsinchu City	6404 Nanzih Dist., Kaohsiung City
1504 Sincheng Township, Hualien County	1801 East Dist., Hsinchu City	6405 Sanmin Dist., Kaohsiung City
1505 Jian Township, Hualien County	1802 North Dist., Hsinchu City	6406 Sinsing Dist., Kaohsiung City
1506 Shoufong Township, Hualien County	1803 Siangshan Dist., Hsinchu City	6407 Cianjin Dist., Kaohsiung City
1507 Guangfu Township, Hualien County	1900 Taichung City	6408 Lingya Dist., Kaohsiung City
1508 Fongbin Township, Hualien County	1901 Central Dist., Taichung City	6409 Cianjhen Dist., Kaohsiung City
1509 Rueisuei Township, Hualien County	1902 East Dist., Taichung City	6410 Cijin Dist., Kaohsiung City
1510 Fuli Township, Hualien County	1903 South Dist., Taichung City	6411 Siaogang Dist., Kaohsiung City
1511 Sioulin Township, Hualien County	1904 West Dist., Taichung City	6500 Kinmen County 、Matsu
1512 Wanrong Township, Hualien County	1905 North Dist., Taichung City	6501 Other areas
1513 Jhuosi Township, Hualien County	1906 Situn Dist., Taichung City	7101 Nangan Township, Lienchiang County
1600 Penghu County	1907 Nantun Dist., Taichung City	7102 Beigan Township, Lienchiang County
1601 Magong City, Penghu County	1908 Beitun Dist., Taichung City	7103 Jyuguang Township, Lienchiang County
1602 Husi Township, Penghu County	2000 Chiayi City	7104 Dongyin Township, Lienchiang County
	2001 East Dist., Chiayi City	7201 Jincheng Township, Kinmen County
	2002 West Dist., Chiayi City	7202 Jinsha Township, Kinmen County
	2100 Tainan City	7203 Jinhu Township, Kinmen County
	2101 East Dist., Tainan City	7204 Jinning Township, Kinmen County
	2102 South Dist., Tainan City	7205 Lieyu Township, Kinmen County
	2103 West Dist., Tainan City	7206 Wuciou Township, Kinmen County
	2104 North Dist., Tainan City	
	2105 Central Dist., Tainan City	
	2106 Annan Dist., Tainan City	
	2107 Anping Dist., Tainan City	
	<del>2108 West Central Dist., Tainan City</del>	
	City —————	
	6300 Taipei City	
	6301 Songshan Dist., Taipei City	
	6302 Sinyi Dist., Taipei City	
	6303 Daan Dist., Taipei City	
	6304 Jhongshan Dist., Keelung City	

### Appendix 3 Industry code

1	Agriculture, Animal husbandry and Hunting
2	Forestry
3	Fishing
11	Coal Mining
12	Crude Petroleum, Natural Gas and Geothermal Sources
13	Metal Ore Mining
14	Salt Industry
15	Land Clay and Stone Mining
16	Chemical and Fertilizer Mining
17	Other Mining
18	Land Clay and Stone Quarrying
20	Food and Beverages Manufacturing
21	Beverages and Tobacco Manufacturing
22	Textiles Mills
23	Apparel, Clothing Accessories and Other Textile Product Manufacturing
24	Leather, Fur and Allied Product Manufacturing
25	Wood and Bamboo Products Manufacturing & Manufacture of Non-metallic Furniture
26	Papermaking, Paper Products, and Printing
27	Chemical Material Manufacturing
28	Chemical Products Manufacturing
29	Petroleum and Coal Products Manufacturing
30	Rubber Products Manufacturing
31	Plastic Products Manufacturing
32	Non-metallic Mineral Products Manufacturing
33	Basic Metal Industries
34	Fabricated Metal Products Manufacturing
35	Machinery Equipment Manufacturing and Repairing
36	Electrical & Electronic Machinery, Supplies and Equipment Manufacturing and Repairing
37	Transport Equipment Manufacturing and Repairing
38	Precision Equipment Manufacturing
39	Miscellaneous Industrial Products Manufacturing
41	Electric Power Supply
42	Gas Supply
43	Steam and Hot Water Supply
44	Water Supply
51	Civil Engineering Construction
52	Mechanics, Electricity and Pipe Lines Construction
53	Painting, Coating, Mounting and Matting
59	Other Construction
61	Wholesale Trade
62	Retail Trade
63	Foreign Trade
64	Eating Places
71	Transportation
72	Warehousing and Storage
73	Communications
81	Financing and Auxiliary Financing
82	Insurance Carriers
83	Merchandise Brokers
84	Legal and Business Services
85	Rental and Leasing of Machinery Equipment
91	Public Administration and Defence
92	Sanitary and Pollution Controlling Services
93	Social Work Activities
94	Culture and Recreation Activities
95	Personal Services
96	Extra-territorial Organizations and Bodies

## Appendix 4 Occupation Code

- 1 Physical, Chemical Scientists and Related Technicians
- 2 Architects, Engineers and Related Technicians
- 3 Architects, Engineers and Related Technicians
- 4 Aircraft and Ship Managing Officers
- 5 Biologists and Related Technicians
- 6 Dentists, Doctors of Chinese Medicine, Veterinarians and Related Professionals
- 7 Dentists, Doctors of Chinese Medicine, Veterinarians and Related Professionals
- 8 Statistician, Mathematicians, and Systems Analysts and Related Professionals
- 9 Economists
- 11 Accountants
- 12 Lawyers and Legal Professionals
- 13 Teachers
- 14 Religious Professionals
- 15 Authors, Journalists and Related Writers
- 16 Calligraphers, Epigraphers, Sculptors, Photographers, Commercial Art Designers and Related Workers
- 17 Composers and Performers
- 18 Gymnasts and Related Athletics
- 19 Other Professionals Not Elsewhere Classified
- 20 Legislators and Government Administrators
- 21 Senior Officers of Government-owned and Private Businesses
- 30 Business Clerical Supervisors
- 31 Government Administrative Officials
- 32 Stenographers, Typists and Related Workers
- 33 Bookkeepers, Cashiers and Related Workers
- 34 Information and Communications Technology Operations Technicians
- 35 Transportation and Communication Clerical Supervisors
- 36 Transport Conductors
- 37 Post Service Clerks
- 38 Telecommunications Technicians
- 39 Other Related Clerks
- 40 International Trade, Wholesale and Retail Managers
- 41 Own-account Workers of Wholesale and Retail
- 42 Sale Auditors and Buyers
- 43 Markets Salespersons, Travelling Salespersons and Selling Agents
- 44 Trade Brokers, Auctioneers and Related Workers
- 45 Salespersons and Related Workers
- 49 Other Sales Workers
- 50 Hotel and Restaurant Managers
- 51 Own-account Workers of Hospitality, Cleaning Service and Hairdressing
- 52 Domestic Housekeepers and Related Establishments
- 53 Cooks and Related Food Service Workers
- 54 Hired Labors and Other Establishment Housekeepers
- 55 Building Caretakers, Cleaners and Related Workers
- 56 Cleaners and Kaumographers
- 57 Hairdressers, Beauticians, Hair-coloring and Related Workers
- 58 Protective Services Workers
- 59 Other Service Workers
- 60 Farm Managers
- 61 Farm Owners
- 62 Crop and Animal Producers
- 63 Forestry Workers
- 64 Fishery Workers
- 65 Hunters

- 70 Producing Monitors and Supervisors
- 71 Miners, Quarriers, Well Drillers and Related Workers
- 72 Metal Processing Makers
- 73 Workers in Wood and Papermakers
- 74 Chemical Makers and Related Trades Workers
- 75 Weaving, Knitting, Bleaching, Dyeing and Related Workers
- 76 Pelt Dressers and Raw Leather Tanners
- 77 Food and Beverage Makers
- 78 Tobacco Products Makers
- 79 Garment Makers, Sewers, Upholsters and Related Workers
- 80 Shoe-makers and Leather Makers
- 81 Cabinet-makers and Related Furniture Workers
- 82 Stone Cutters
- 83 Blacksmiths, Tool-makers and Machine-tool Operators
- 84 Machine Assemblers and Precision-instrument Makers
- 85 Electrical and Electronic Equipment Assemblers and Related Workers
- 86 Broadcasting and Sound Recording Equipment Operators and Movie-broadcasters
- 87 Tongmen, Welders, Sheet-metal Workers and Structural-Metal Erectors
- 88 Jewellery and Precious-metal Workers
- 89 Glass Makers, Potters, and Related Workers
- 90 Rubber and Plastic Products Makers
- 91 Paper and Paperboard Products Makers
- 92 Printing Trades Workers
- 93 Painters
- 94 Other Producing and Related Workers
- 95 Bricklayers, Carpenters and Joiners, and Building Frame Related Workers
- 96 Power Plant and Related Plant Operators
- 97 Mobile-Plant, Building Machine Operators and Porters
- 98 Mobile Plant Operators
- 99 Apprentices and Related Workers