Survey Design of Japanese Panel Study of Employment Dynamics

1. Outline of the Survey	
Purpose of the Survey	Reveal dynamics and variation of employment and non-employment all over the country
Items surveyed	Status of employment, Living dynamics, Status of initial and previous employment, Attribute of individual person of the Previous one year
Survey volume	about 100 questions Survey 2019: 120 questions
2. Period of the Surve	ey
Survey period	Survey period is fixed as every January January 11 ~ January 31, 2019
3. Coverage of the Su	rvey
Survey districts	All over the country
Conditions of persons	Male and female 15 years old and over to be surveyed
Exclusion conditions	None (no condition on occupation/survey cooperation records)
4. Method of the Surv	ey
Survey technique	Internet monitoring survey (Sample survey)
Sampling method	Extract persons satisfied the conditions by the monitor (Mighty monitor) possessed by Intage Inc.
Sample design	Based on "Labour force survey" data of Statistics Bureau, Ministry of Internal Affairs and Communications, allocation was implemented by gender, stratified age group, type of employment, district block, education background. The allocation was set to reflect the population. However, as for 10s of non-labour force, and 70 years old and over, the allocation was adjusted less than actual count of persons.
Effective collection count/effective collection rate	Survey 2019: 62,415 samples * From Survey 2018 onwards, each survey consists of 3 sample types, continued (previous year answerers), additional (new answerers of the year) and revived (answerers of Survey before 2017 who didn't answer Survey 2018). • Continued samples (continuous answerers since last year): 38,451 persons Persons requested: 48,510 Effective collection rate: 79.3% • Additional samples (new answerers, this year): 20,315 persons Persons requested: 30,690 Effective collection rate: 66.2% • Revived samples (no answer in survey 2017, but answered in 2016): 3,649 persons Persons requested: 15,617 Effective collection rate: 23.4% * 20 samples out of the above are excluded from aggregating subjects due to overseas emigration
5. Aggregation Method	
Weighted sampling aggregation	Weighted sampling aggregation is necessary to implement aggregation according to the population construction since the collection was conducted with less allocation than actual count of paragraph for 10s of paragraphs and 70 years

old and over.

allocation than actual count of persons for 10s of non-labour force, and 70 years

1. Outline of the Survey

In Japanese Panel Study of Employment Dynamics, following items were questioned in survey 2019 for the purpose of grasping status of employment, living dynamics, etc. during the previous one year prior to the survey (in case of survey 2019, one year period of 2018).

Attribute			f the Previous One Year
Q1	Gender	Q56	Level of happiness
Q2	Age	Q57	Life satisfaction
Q3	Birth month and year	Q58	Annual events and living
Q4	Present residential place	Q59	Annual occupational events
Q5	Final educational background	Q60	Self-development activities
Q6	Graduated faculty	Q61	Holiday acquisition condition
Q7	Present school year	Q62	Rate of taking paid leaves
Q7-1	Faculty to plan to graduate from	Q63	Stress
Q8	Dropout experience	Q64	Income source of living expenses
Q 9	Marital status	Q65	How to cover the living expenses
-		-	
Q10	With or without a child/children	Q66	Job upskilling
Q11	Number of children	Q67	On-the-Job-Training opportunity
Q12	Age of the eldest child	Q68	Off-the-Job-Training opportunity
212	Age of the youngest child	Q69	With or without self-development
Q 13	Type of residence	Q70	Work place status
Q 14	Cohabiter	Q71	Nature of work
Q15	Principal household income earner	Q72	Job satisfaction
Q16-1	Labour force status of January 2018~April 2018	Q73	Stress of taking balance of work and family life
Q16-2	Labour force status of May 2018~August 2018		f Second Job
-			
Q16-3	Labour force status of September 2018~November 2018	Q74	With or without taking second job
Q17	Labour force status of December 2018	Q75	Desire to take second job
Status as	s in Last December	Q76	Reasons of desire to take second job
Q18	Type of working	Q77	Reasons of taking second job
Q 19	Type of employment	Q78-1	Type of working of the highest income second job
Q20	With or without store	Q78-2	Content of work of the highest income second job
Q21	Reasons of being engaged in work as in December	Q78-3	Specific work content of second job
Q22	Reasons of absence from work	Q78-4	With or without store of second job
Q23	Could be engaged in work upon availability?	Q78-5	Number of the second jobs
-		-	-
Q24	Desire to work	Q79	Working hours per week of the second jobs
25	Degree of desire to work		f Initial Employment
26	With or without job seeking	Q80	Type of working of initial employment
27	Reasons of seeking no job	Q81	Industry of initial employment
Q28	Reasons of unemployment	Q82	Number of employees of initial employment
Q 29	The reason of no desire to work	Q83	Occupation of initial employment
Q 30	Industry	Status o	f Previous Employment
Q31	Number of employees	Q84	Type of working of previous employment
Q32	Occupation	Q85	Industry of previous employment
-	Position title	Q86	Number of employees of previous employment
Q33		-	
Q 34	With or without employment contract term	Q87	Occupation of previous employment
235	Employment contract term	Q88	Number of working days/hours in previous employment
236	Status of employment (unemployment) insurance coverage	Q89	Annual income of previous employment
Q 37	Working days and hours per week	Q90	Channels to find current place of work
Q 38	Overtime work system	Q91	Order of timing between the last resignation and adoption of current employment
Q 39	Existence of overtime work/dynamics	Q92	Reasons of the resignation
Q40	Existence of desire for increase or decrease of working time		round the Delivery of the Youngest Child
			5 Working status before and after the birth of your youngest child / child of currently one year old
241	Degree of increase or decrease of working time		
Q42	Possibility of increase of working time and work content		6 Social system used at the birth of your youngest child / child of currently one year
Q 43	Reason of not being able to increase working time despite desire	Others	
Q 44	Salary payment method	Q97	Residential place
Q45	Hourly rate	Q98	Academic achievement at the last junior high school year
	Work flexibility	Q99	Month and year of school graduation, month and year of entry to and resignation from the initial employment, month and year of
946		400	entry to and resignation from the previous employment, month a
-			
	Working place	Q100	
Q47		Q100 Q101	
Q47 Q48	Working place	-	Annual income of the previous year (main job, second job, non-occupational)
Q47 Q48 Q49-1	Working place Commuting methods Time for living (Commutation)	Q101 Q102	Annual income of the previous year (main job, second job, non-occupational). With whom can you consult? Type of working of the spouse
Q47 Q48 Q49-1 Q49-2	Working place Commuting methods Time for living (Commutation) Time for living (Housework, childcare)	Q101 Q102 Q103	Annual income of the previous year (main job, second job, non-occupational) With whom can you consult? Type of working of the spouse Event in work (resignation or employment of spouse)
Q47 Q48 Q49-1 Q49-2 Q50	Working place Commuting methods Time for living (Commutation) Time for living (Housework, childcare) Time for telework	Q101 Q102 Q103 Q104	Annual income of the previous year (main job, second job, non-occupational) With whom can you consult? Type of working of the spouse Event in work (resignation or employment of spouse) Annual income of the spouse
Q47 Q48 Q49-1 Q49-2 Q50	Working place Commuting methods Time for living (Commutation) Time for living (Housework, childcare) Time for telework Status of telework system introduction and adoption	Q101 Q102 Q103 Q104 Q105	Annual income of the previous year (main job, second job, non-occupational) With whom can you consult? Type of working of the spouse Event in work (resignation or employment of spouse) Annual income of the spouse With or without doing nursing care
Q47 Q48 Q49-1 Q49-2 Q50 Q51	Working place Commuting methods Time for living (Commutation) Time for living (Housework, childcare) Time for telework Status of telework system introduction and adoption Subject person to telework system	Q101 Q102 Q103 Q104 Q105 Q106	Annual income of the previous year (main job, second job, non-occupational). With whom can you consult? Type of working of the spouse Event in work (resignation or employment of spouse) Annual income of the spouse With or without doing nursing care Desire for changing or hunting job
Q47 Q48 Q49-1 Q49-2 Q50 Q51 Q52	Working place Commuting methods Time for living (Commutation) Time for living (Housework, childcare) Time for telework Status of telework system introduction and adoption	Q101 Q102 Q103 Q104 Q105	Annual income of the previous year (main job, second job, non-occupational). With whom can you consult? Type of working of the spouse Event in work (resignation or employment of spouse) Annual income of the spouse With or without doing nursing care Desire for changing or hunting job
Q47 Q48 Q49-1 Q49-2 Q50 Q51 Q52 Q53	Working place Commuting methods Time for living (Commutation) Time for living (Housework, childcare) Time for telework Status of telework system introduction and adoption Subject person to telework system	Q101 Q102 Q103 Q104 Q105 Q106	Annual income of the previous year (main job, second job, non-occupational) With whom can you consult? Type of working of the spouse Event in work (resignation or employment of spouse) Annual income of the spouse With or without doing nursing care Desire for changing or hunting job
Q46 Q47 Q48 Q49-1 Q49-2 Q50 Q51 Q52 Q53 Q54	Working place Commuting methods Time for living (Commutation) Time for living (Housework, childcare) Time for telework Status of telework system introduction and adoption Subject person to telework system Number of resignation times in the past	Q101 Q102 Q103 Q104 Q105 Q106 Q107	Annual income of the previous year (main job, second job, non-occupational) With whom can you consult? Type of working of the spouse Event in work (resignation or employment of spouse) Annual income of the spouse With or without doing nursing care Desire for changing or hunting job Approach taken related to future career plan in the past one yea

2. Period of the Survey

As the purpose is to grasp the status of the previous one year prior to the survey period, the survey period is fixed as every January. The survey 2019 was actually implemented from January 11 to January 31, 2019.

3. Coverage of the Survey

The subjected persons are male and female of 15 years old and over, and without upper age limit. The survey was implemented not as a complete census but sample survey. (Refer to "4. Method of the Survey")

4. Method of the Survey

Internet monitoring survey was used as the technique of survey by asking the monitors for the survey after extracting male and female of 15 years old and over. The survey applied the system to receive answers on internet screens.

When monitors are surveyed, discrepancy would be seen in age and occupation construction between monitors and the population subject to survey. In order to conduct the survey with representativeness reflecting the population as much as possible, necessary sample numbers were calculated by gender, stratified age group, type of employment, district block and education background, then collected answers aiming these numbers (allocation).

On this stage, if the samples are allocated according to the population construction, total volume of unworking groups of 10s and 70 years old and over increases and results decrease of sample numbers of working people groups on the target for the desired close analysis. Therefore, the survey was designed to obtain larger number of working people samples by allocating less figures to non-labour force of 10s, and 70 years old and over.

(Refer to Reference (1) "Production method of population value data and allocation by gender, stratified age group, type of employment, district block and education background")

In survey 2019, at first we asked all the people who could be requested out of the answerers of survey before 2018 (continued samples and revived samples), to answer the survey. 64,127 persons could be requested for the survey as they remained in the monitor. 42,100 persons answered out of the above number. In the next stage, new answerers were extracted from the monitor and asked for the survey, imagining deficient cells to be filled up for the allocation. Out of the requested 30,690 persons, answers were obtained from 20,315 persons. In survey 2019, total number of effective samples was 62,415. (Refer to "Reference (2) Allocation and collection count")

5. Aggregation Method

Weighted sampling aggregation is necessary to implement aggregation according to the population construction so that the number of the samples can get near to the population value calculated in the stage of sample design in "4. Method of the Survey", since less figures than actual count of persons were allocated to 10s of non-labour force, and 70 years old and over.

(Refer to "Reference (3) Calculation method of weighted values")

It is verified that big bias can be eliminated from the survey results even compared with official statistics by allocation with smaller segmentation under consideration of the representativeness in the stage of sample design, then making correction by weighted aggregation.

(Refer to "Reference (4) Comparison of the survey results and official statistics")

Reference (1) Production method of population value data and allocation by gender, stratified age group, type of employment, district block and education background

<Data production procedures>

- I. Produce population data: Produce population data using multiple official data adapting to the targeted allocation cells
- II. Correct population data for allocation: Adjust number of persons in the population
- III. Produce allocation: Make allocation adapting to the population data construction after correction

<Data production procedures in detail>

I. Produce population data:

Produce population data using multiple official data adapting to the targeted cells for allocation

I-i. Produce basic data

<Data used>

"Table II Population aged 15 years old and over by status of employment, position of employment, type of employment, marital status, and age group" from 2017 version "Labour Force Survey (Basic Tabulation) by Region" issued by Statistics Bureau, Ministry of Internal Affairs and Communications

- Extract number of persons of self-employed workers, family workers, executives of company or corporation, regular employees, non-regular employees, unemployment and non-labour force by gender age group (divided by 10s) for each area of whole Japan (divided by 11 areas), from "Table II Population aged 15 years old and over by status of employment, position of employment, type of employment, marital status, and age group" of 2017 version "Labour Force Survey (Basic Tabulation) by Region"
 - * The latest yearly data are used
- Data are produced by following cells x 11 areas

		Labour force						Non-labour force
		Self employed	Family	Executive of	Regular	Non-regular	Unemployment	
		worker	worker	company or	employee	employee		
				corporation				
Male	15 - 24 years old							
	25 - 34 years old							
	35 - 44 years old							
	45 - 54 years old							
	55 - 64 years old							
	65 years old and over							
Female	15 - 24 years old							
	25 - 34 years old							
	35 - 44 years old							
	45 - 54 years old							
	55 - 64 years old							
	65 years old and over							

I-ii. Age group division change (by 5 from 10 years)

......................

<Data used>

"Table I-2 Population aged 15 years old and over by status of employment, position of employment, type of employment (number of employees for non-agricultural/forestry industry employees), main activity status, agriculture/forestry, non-agricultural/forestry, type of household, family type of household and age group" from 2017 version "Labour Force Survey (Basic Tabulation) Whole Japan" issued by Statistics Bureau, Ministry of Internal Affairs and Communications

• The data in I-i are divided into groups of 10 years, therefore the above data are divided so that $15\sim24$ years old becomes $15\sim19$ years old/20 ~24 years old, and 65 years old and over becomes $65\sim69$ years old/70 ~74 years old/75 years old and over (Get the rate of $15\sim19$ years old out of $15\sim24$ years old, then multiply the data of $15\sim24$ years old

by the rate to get number of persons. For other age segments, the same procedures are to be followed as above.)

- On this stage, utilise the data corresponding to the segments by self-employed workers, family workers, executives of company or corporation, regular employees, non-regular employees, unemployment, non-labour force that were sorted in I-i
 - * As for executives of company or corporation, the data of regular employees are used
 - * The data uniformed throughout the country are used
- In this way, cells will be arranged as follows;

		Labour force						Non-labour force
		Self employed	Family	Executive of	Regular	Non-regular	Unemployment	
		worker	worker	company or	employee	employee		
				corporation				
Male	15 - 19 years old							
	20 - 24 years old							
	25 - 34 years old							
	35 - 44 years old							
	45 - 54 years old							
	55 - 64 years old							
	65 - 69 years old							
	70 - 74 years old							
	75 years old and over							
Female	15 - 19 years old							
	20 - 24 years old							
	25 - 34 years old							
	35 - 44 years old							
	45 - 54 years old							
	55 - 64 years old							
	65 - 69 years old							
	70 - 74 years old							
	75 years old and over							

I-iii. Calculation of number of persons attending school

<Data used>

"Table I-2 Population aged 15 years old and over by status of employment, age group, main activity status, agriculture/forestry, non-agricultural/forestry, whether wishing to work, marital status, type of household, relation to the head of household, and education background" from 2017 version "Labour Force Survey (Detailed Tabulation) Whole Japan" issued by Statistics Bureau, Ministry of Internal Affairs and Communications

• From the above data, ratios of "attending schools" for labour force/non-labour force by gender age (divided into groups of 10 years) are calculated. The results are multiplied by the basic data to get the count of persons "attending school" by labour force/non-labour force x gender age (divided into groups of 10 years)

Labour force

* Since there are no data by labour force breakdown (self-employed, regular employees, etc.), the ratio is as uniformed for every type of employment

* Since there are no data by each region, whole Japan data are used

 In the above way, attending school was extracted and arranged as in following cells;

		Labour force							Non labour force	æ
		Self employed	Family	Executive of	Regular	Non-regular	Unemployme			
		worker	worker	company or	employee	employee	nt		i l	1
				corporation					1	
								Attending	i l	Attending
								school	1	school
Male	15 - 19 years old									
	20 · 24 years old									
	25 - 34 years old									
	35 - 44 years old									
	45 - 54 years old									
	55 - 64 years old									
	65 - 69 years old									
	70 - 74 years old									
	75 years old and over									
Female	15 - 19 years old									
	20 - 24 years old									
	25 · 34 years old									
	35 - 44 years old									
	45 - 54 years old									
	55 - 64 years old									
	65 - 69 years old									
	70 - 74 years old									
	75 years old and over									

Non-labour force

I-iv. Divide persons other than attending school into the groups of below university graduates and university graduates or higher

<Data used>

"Table I-2 Population aged 15 years old and over by status of employment, age group, main activity status, agriculture/forestry, non-agricultural/forestry, whether wishing to work, marital status, type of household, relation to the head of household, and education" from 2017 version "Labour Force Survey (Detailed Tabulation) Whole Japan" issued by Statistics Bureau, Ministry of Internal Affairs and Communications

- Like as in I-iii, ratios of below university graduates and university graduates or higher for the persons "graduated from" by labour force /non-labour force x gender age (divided into groups of 10 years) are calculated. The results are multiplied by the basic data to get the count of persons by education background (below university graduates/university graduates or higher)
 - * Since there are no data by labour force breakdown (self-employed, regular employees, etc.), the ratio is as uniformed for every type of employment
 - * Since there are no data by each region, whole Japan data are used
- Now, the count of persons of the population adapted to the aimed allocation cells is completed. Produce 3.168 cells (cells x 11 areas = 3.168) as below;

			Hokkaido															
			Labour force	e												Non-labour	force	
			Self employ	yed worker	Family wor	ker	Executive o	f company	Regular em	ployee	Non-regula	r employee	Unemployn	nent				
							or corporati											_
			Below	University	Below	University	Below	University	Below	University	Below	University	Below	University	Attending	Below	University	Attending
			university	or higher	university	or higher	university	or higher		or higher	university	or higher	university	or higher	school	university		school
			14	5	4	1	9	4	85	43	64	19	7	3	6	161	22	25
١	Male	15 · 19 years old	0	0	0	0	0	0	0	0	1	0	0	0	1	1	0	9
١		20 - 24 years old	0	0	0	0	0	0	3	1	2	0	0	0	2	0	0	3
١		25 - 34 years old	1	0	0	0	0	0	9	8	2	2	1	0	0	1	0	0
ı		35 - 44 years old	1	1	0	0	1	1	15	9	2	1	1	0	0	1	0	0
ı		45 - 54 years old	2	1	0	0	1	1	15	9	2	1	1	0	0	2	0	0
١		55 - 64 years old	2	2	0	0	2	1	9	6	4	2	1	0	0	4	- 1	0
١		65 - 69 years old	1	0	0	0	2	0	2	0	3	1	0	0	0	8	2	0
١		70 - 74 years old	1	0	0	0	0	0	0	0	1	0	0	0	0	9	2	0
١		75 years old and over	1	0	0	0	0	0	0	0	1	0	0	0	0	23	5	0
ı	Female	15 - 19 years old	0	0	0	0	0	0	0	0	1	0	0	0	1	1	0	9
١		20 - 24 years old	0	0	0	0	0	0	3	1	2	0	0	0	2	0	0	3
١		25 - 34 years old	0	0	0	0	0	0	6	4	5	3	1	0	0	5	2	0
١		35 - 44 years old	1	0	1	0	0	0	8	2	10	3	1	0	0	7	2	0
١		45 - 54 years old	1	0	1	0	1	0	8	2	13	2	1	0	0	8	1	0
١		55 - 64 years old	1	0	1	0	1	0	4	1	11	2	1	0	0	14	2	0
ı		65 - 69 years old	1	0	1	0	1	0	1	0	4	0	0	0	0	16	1	0
ı		70 - 74 years old	1	0	1	0	0	0	0	0	1	0	0	0	0	15	1	0
ı		75 years old and over	1	0	1	0	0	0	0	0	0	0	0	0	0	47	2	0

II. Correct population data for allocation: Adjust number of persons in the population

II-i. Reduce the actual count of persons 70 years old and over by half

- Reduce actual data of number of persons for each cell of 70 ~ 74 years old and 75 years old and over by half
- II-ii. For generation of 10s and 65 years old and over, make the non-labour force a half of the labour force
- As for age groups $15 \sim 19$ years old, $65 \sim 69$ years old, $70 \sim 74$ years old and 75 years old and over, make the total of non-labour force count a half of the labour force
- The construction of education background (below university graduates/university graduates or higher/attending school) within the non-labour force is to be kept same as of the original population construction.

II-iii. After adjustment, construction ratio of the population is calculated

Calculate overall construction ratio of each cell for the population data in II-ii

III. Produce allocation: Make allocation adapting to the population data construction after the correction

- Allocate 43,000 persons adapting to the construction ratio calculated in II-iii
- Now, allocation of 3,168 cells is completed (18 x 16 cells x 11 areas = 3,168). Actual survey was implemented aiming the number of persons to be collected for the allocation

	Hokkaido												Norrlabou			Tohoku													Non-labour for	
	Labour force Self employed work	er Family work	er E	secutive of con	mpany or Re	egular empl	oyee 2	Von-regular	employee	Unemploye	nent	I	Non-labou	r sorce		Labour forc	ed worker	Family wor	er	Executive of corporation	f company or	Regular em	ployee	Non-regular	employee	Unemploye	nent	I	Non-labour for	ce ce
	Below Universe university or highe	ity Below r university	University Be or higher un		siversity Be higher un	olow U	niversity E rhigher u	Below university	University or higher	Below university	University or higher	Attending school	Below university	University or higher	Attending school	Below university	University or higher	Below university	University or higher	Below university	University or higher	Below university	University or higher	Below university	University or higher	Below university	University or higher	Attending school	Below Un university or	iversity Attending higher school
Male 18 - 19 years old 20 - 24 years old 22 - 34 years old 22 - 34 years old 45 - 34 years old 45 - 54 years old 45 - 54 years old 65 - 59 years old 65 - 59 years old 70 - 72 years old 10 - 25 - 34 years old 65 - 59 years old 70 - 72 years old 70 - 72 years old 70 - 72 years old 70 - 73 years old 70	63 0 0 3 6 10 13 7 2 2 2 0 0 0 0 4 4 4 5 4 1 1 2	27 20 0 0 0 0 0 0 2 0 0 0 0 0 0 0 0 0 0	3 0 0 0 0 0 0 0 0 0 0 0	46 0 0 0 6 7 10 8 1 1 1 0 0 0 0 4 5 3 3 1	19 0 0 0 4 4 4 5 3 0 0 0 0 0 0 1 1 1 0 0 0	450 3 16 49 78 80 50 8 1 1 2 13 33 340 45 23 6 1 1	224 0 5 5 40 50 48 30 0 0 4 20 13 8 3 0 0	333 4 9 12 10 10 20 20 18 4 1 5 8 27 52 67 61 20 4 1	103 0 3 10 6 6 12 6 1 0 0 3 167 13 9 10 10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	35 1 3 3 3 3 3 3 0 0 0 1 2 2 3 3 4 4 4 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	15 0 11 2 2 2 2 2 2 0 0 0 0 1 1 2 2 2 2 2	32 3 13 10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	279 0 1 6 4 4 9 19 21 5 5 5 0 1 1 27 7 38 8 40 7 4 7 4 7 27 7 3 8 8 8 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9	55 0 0 2 1 1 2 7 7 5 0 0 0 0 9 11 1 7 7 11 0 0 0 0 0 0 0 0 0 0 0 0 0 0	466 5 177 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	136 0 0 3 10 17 26 27 8 9 9 0 0 0 4 4 9 9 9 8 8 8 3 3 3 3 3 3 3 4 9 9 9 9 9 9 9 9 9 9 9 9	54 0 0 2 6 10 18 3 3 3 0 0 0 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1	56 0 0 3 3 3 0 0 1 1 1 1 1 0 0 3 3 4 4 4 14 13 4 5 5	11 0 0 2 2 2 0 0 0 0 0 0 0 2 1 1 1 1 2 1 1 1 1	82 0 0 3 10 10 17 14 2 2 1 1 0 0 0 4 4 4 9 6 6 1 1	32 0 0 0 2 6 6 6 10 4 4 1 1 0 0 0 0 0 1 1 1 1 1 1 1 1 1	845 4 288 900 1399 1333 19 3 3 2 2 21 63 93 90 566 8 8 2 2	90	486 5 11 17 13 13 40 29 6 2 2 7 7 12 43 72 90 98 30 6	155 0 3 3 14 8 8 8 24 9 9 2 1 1 0 4 26 23 3 17 14 2 2 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	45 1 3 6 3 3 3 7 7 3 3 0 0 0 1 2 2 3 3 4 4 4 4 4 4 4 5 6 6 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	21 0 1 5 2 2 2 4 1 0 0 0 1 1 2 2 1 1 0 0 0 0 1 1 1 1 0 0 0 0	50 4 200 2 0 0 0 0 0 4 19 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	403 0 2 6 9 13 31 48 11 11 0 2 27 44 49 102 32 11 5	76 2 0 3 2 2 3 11 11 0 0 0 2 9 14 9 15 0 0 0 0
	Minami Kanto Labour force												Norrlabou	force		Kita Kanto Labour force													Non-labour for	COE
	Self employed work	er Family work	er E	secutive of con eporation	mpany or R	egular empl	oyee 2	Von-regular	employee	Unemploye	nent					Self employ	red worker	Family wor	oer	Executive of corporation	company or	Regularem	ployee	Non-regular	employee	Unemploye	nent			
	Below Universe university or highe	r university	or higher ur		higher ur		rhigher u	Selow iniversity	or higher	Below university	University or higher	Attending school	Below university	University or higher	Attending school	Below university	University or higher	Below university	University or higher	Below university	University or higher	Below university	University or higher	Below university	University or higher	Below university	University or higher	Attending school		iversity Attending higher school
Male 15 - 19 years old 20 - 24 years old	437 0 2	187 100 0 0 1 0	21 0	422 0	184	3562 16 101	1868 0 30	2366 45 90	728 0 26	204 2 10	91 0 3	266 24 100	1747 5	380 0	357 43 134	154 0	61 0	62 0	13	84 0 0	34 0	879 5 29	450 0	591 8 15	178 0 4	41 1 3	19	57 5 23	450 0 2	93 8 0 1
25 - 34 years old 35 - 44 years old 45 - 54 years old 55 - 64 years old 65 - 69 years old 70 - 74 years old 75 years old and over	52 70 60	14 3 33 6 42 3 36 0 19 1 6 1 6 1	2 4 2 0 0 0	15 49 77 76 71 11	12 31 46 46 23 3	468 667 662 315 52 8 5	383 430 398 191 17 3	87 74 67 136 136 27	71 48 40 83 43 8	23 23 20 17 9 1	19 15 12 10 3 0	9	38 44 49 93 176 37 21	13 9 10 34 43 5	13 0 0 0 0 0	3 16 17 26 30 9	2 10 10 16 10 3 3	3 3 3 0 1 1	2 2 2 0 0	3 10 13 13 16 2	2 6 8 8 5 1	108 162 160 93 14 2	88 104 96 56 4 1	20 13 13 40 37 7	17 8 8 24 12 2	6 3 3 3 3 0	5 2 2 2 1 0	2 0 0 0 0	6 13 13 31 53 11	2 3 3 11 11 5
Female 15 - 19 years old 20 - 24 years old 25 - 34 years old	0 0 13	0 0	0	0	0	11 96 330	0 31 195	52 90 184	0 30 108	10 20	0 3 12	26 103 4	10 165	0 1 57	43 115 7	0	0 0 2	0	0	0	0	21 63	0 7 37	9 16 43	0 5 26	1 2 3	1 2	5 21	0 3 42	0 0 3
35 - 44 years old 45 - 64 years old 55 - 64 years old 65 - 69 years old 70 - 74 years old	28 36 28 20 7	9 12 7 18 4 19 1 19 0 7	4 3 3 1	16 27 33 25	5 5 5 2	334 319 135 31	108 60 19 2	354 489 345 143 27	115 92 49 9	24 22 14 4	8 4 2 0	0 0	298 279 353 123 27	94 51 52 5	2 0 0 0	9 9 10 4	1 2 1 1 0	4 4 14 15 5	1 1 2 1 0	4 9 5 6	1 2 1 0	76 81 51 8	25 15 7 1	97 121 103 37 7	31 23 15 2	4 4 5 0	1 1 0 0	0 0	56 54 102 37	18 10 15 0
	8	1 7	0	4	0	5	ő	9	1		ő	0	16	0		4		5						2	0	0		0	5	0
to years old and over	Hokuriku Labour force	1 7	0	4	0	5	ő	9	1	0	i	0	Non-labou	force		Tokai Labour force		5		1		1		2	0	0	0	0	Non-labour for	0
10 years old and over	Labour force Self employed work		co	4 secutive of con		5 egular empl		9 Von regular		Unemploys						Labour forc Self employ	red worker	Family wor		corporation	0 Company or	1 Regular em		Non-regular		Unemploye				
10 years oo ann owr	Labour force Self employed work Below Universe university or highe	ity Below	co	eporation slow Un		elow U	niversity E rhigher u	9 Non-regular Below university		Unemploys Below university	0 nent University or higher	Attending school	Below university	force University or higher	Attending school	Labour forc Self employ Below university		Below university	University or higher	corporation Below university	Company or University or higher	Below university	University or higher	Below university	University or higher	Unemploys Below university	nent University or higher	Attending school	Below Un university or	iversity Attending
Male 16 - 19 years old 25 - 34 years old 25 - 34 years old 25 - 34 years old 35 - 44 years old 45 - 64 years old 65 - 64 years old 75 - 64	Labour force Self employed work Below Universe university or highe 0 3 6 10	ity Below	University Be	eporation slow Un	iversity Be	elow U	niversity E	9 Von regular	University		University or higher 11 0 0 2 2 2	Attending school 29 2 12 1 0 0 0	Below university 201 0 1 3 4 4 4 12	University	Attending	Labour forc Self employ Below university 201 0 6 19	University or higher 0 0 5 13		University	corporation Below university 130 0 0 3 13 23	University or higher 55 0 0 2 2 8 14	Below university 1431 9 53 189 272 256	University or higher 742 0 16 155 175	Below university 987 15 30 32 23 23 60	University		University	Attending school 104 9 42 3 0	Below Un	iversity Attending
Malio 1.6 - 10 years old 20 - 24 years old 25 - 34 years old 35 - 44 years old 45 - 46 years old 65 - 69 years old 65 - 69 years old 65 - 79 years old 70 - 74 years old	Labour force Self employed work Below University or highe 78 0 0 3 6	ity Below	University Be	eporation slow Un	iversity Be	siversity or 530 3 19 58 87 83	257 0 5 48 56 50	Son-regular Solow Iniversity 299 3 6 9 6 7	University		University or higher 11 0 0 2	Attending school 29 12 1 0 0 0 0 0 0 0 0 0 0	Below university 201 0 1 3 4	University	Attending school 46 5	Labour force Self employ Below university 201 0 0 6	University or higher 0 0 5 13	Below university	University	Below university 130 0 0 3 13 23	University or higher 55 0 0 2 2 8 14	Below university 1431 9 53 189 272	University or higher 742 0 16 155 175	Below university 987 15 30 32 23 23	University or higher 295 0 9 28		University	school	Below Un university or	iversity Attending higher school 139 13 0 1
Mule 15 - 19 years old 20 - 24 years old 22 - 34 years old 25 - 34 years old 45 - 34 years old 65 - 49 years old 70 - 74 years old 470 - 74 years old	Labour force Self employed work Below Universe university or highe 0 3 6 10	ity Below	University Be	eporation slow Un	iversity Be	siversity or 530 3 19 58 87 83	niversity E	9 Non-regular Selow university 239 6 9 6 7 7 23 188 4 1 1 3 6	University		University or higher 11 0 0 2 2 2	Attending school 29 2 12 12 0 0 0 0 0 2 2 12	Below university 201 0 1 3 4 4 4 12	University	Attending school 46 5	Labour force Self employ Below university 201 0 6 19 30 30	University or higher 0 0 5 13	Below university	University	corporation Below university 130 0 0 3 13 23	University or higher 55 0 0 2 2 8 14	Below university 1431 9 53 189 272 256 136 22 3 2	University or higher 742 0 16 155 175 154 83 7 1 1	Below university 987 15 30 32 23 60 60 12 5	University or higher 295 0 9 28		University	school	Below Un university or	iversity Attending higher school 139 13 0 1
Male 15-19 years old 20-24 years old 25-34 years old 35-44 years old 65-64 years old 66-69 years old 75-years old and years 75-years old and years	Labour force Self employed work Below Universe university or highe 0 3 6 10	ity Below	University Be	eporation slow Un	iversity Be	siversity or 530 3 19 58 87 83	257 0 5 48 56 50	Son-regular Solow Iniversity 299 3 6 9 6 7	University		University or higher 11 0 0 2 2 2	29 2 12 1 0 0 0 0 0 0 0 2 2	Below university 201 0 1 3 4 4 4 12	University	Attending school 48 5 18 1 0 0 0 0 0 0 0 5 5	Labour force Self employ Below university 201 0 6 19 30 30	University or higher 0 0 5 13	Below university	University	corporation Below university 130 0 0 3 13 23	University or higher 55 0 0 2 2 8 14	Below university 1431 9 53 189 272 256 136 22 3 2	University or higher 742 0 0 166 155 175 154 83 7 1 1 1 5 6 6 3	Below university 987 15 30 32 23 60 60 12 5	University or higher 295 0 9 28		University	school	Below Un university or	iversity Attending higher school 139 13 0 1
Male 18 - 19 years old 20 - 21 years old 20 - 21 years old 35 - 45 years old 46 - 55 years old 46 - 56 years old 46 - 57 years old 20 - 57 years old 46 - 57 years old 47 ye	Labour force Below University or higher 10 0 10 10 11 4 4 5 0 0 4 4 5 6 2 2 Kinks		University B: or higher univer	reportation Un Un Inversity Un Un Inversity Un Un Un Un Un Un Un U	siversity B: higher 17 0 0 0 0 2 2 4 6 3 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	slow U 0 530 3 19 58 87 83 53 8 1 1 2 16 56 58 37 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Iniversity II higher 1257 0 5 48 56 50 32 3 0 0 0 5 5 24 18 11 5 0 0 0 0	9 Non-regular Selow Iniversity 299 6 7 23 18 4 1 3 6 23 48 56 23 4 1	University or higher 90 0 0 2 7 7 4 4 14 6 1 1 0 0 2 2 14 11 8 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Below university 0 0 3 3 3 3 3 3 0 0 0 0 0 0 0 0 0 0 0	University or higher 111 0 0 2 2 2 2 2 2 0 0 0 0 0 2 2 1 1 0 0 0 0	29 2 12 1 0 0 0 0 0 0 0 2 2	Below university 201 0 1 3 4 4 12 27 5 0 0 1 1 5 5 20 22 5 5 1	University or higher 35 0 0 0 1 1 1 1 4 4 5 0 0 0 0 5 6 6 4 4 8 8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Attending school 486 18 10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Labour forc Self employ Self employ Below university 201 0 6 19 30 30 30 22 10 0 11 11 0 0 3 12 13 14 12 4 5 Chugoku Labour forc	ved worker University or higher 32 0 0 5 13 18 10 3 3 2 2 4 3 2 2 1 0 0 0	Below university 58 0 0 0 0 3 3 3 0 0 1 1 1 1 0 0 0 0 4 4 9 9 144 13 4 5	University or higher 10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	corporation Below university 130 0 3 13 23 26 22 2 0 0 0 4 9 144 2 1 1	University or higher 55 0 0 2 2 8 8 4 14 16 7 7 1 1 1 0 0 0 1 2 2 2 2 1 0 0 0 0	Enlow university 1431 9 153 189 272 256 1388 22 256 1388 126 145 145 147 147 147 147 147 147 147 147 147 147	University or higher 742 0 166 155 175 154 83 7 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Balow university 987 155 30 32 23 20 60 60 12 5 16 28 73 161 211 159 63	University or higher 295 0 9 28 15 14 36 19 9 4 1 1 0 9 9 33 52 39 23 1 0 0	Below university 70 1 3 6 6 6 6 7 7 3 3 0 0 0 1 1 2 2 7 7 8 9 9 5 5 4 4 1 1 0 0	University or higher 30 0 1 1 5 4 4 4 4 1 1 0 0 0 1 1 4 3 3 2 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	school	Below Un university or 973 0 3 3 10 13 13 18 39 75 16 11 0 4 73 3 101 85 139 69 69 69 69 69 69 69	Newsity Attending to the chool of the chool
Male 18 - 19 years old 20 - 21 years old 20 - 21 years old 35 - 45 years old 45 - 55 years old 45 - 55 years old 46 - 55 years old 46 - 55 years old 46 - 50 years old 47 - 75 years old 20 - 25 years old 20 - 25 years old 20 - 25 years old 20 - 55 years old 20 - 55 years old 25 - 55 years old 45 - 55 years old 46 - 55 - 55 years old	Labour free was believed with the first of t		University B	proration plane University 43 1 43 1 43 1 43 1 43 1 43 1 43 1 43 1 43 1 43 1 44 44	17 17 17 17 17 17 17 17	slow or sinversity of sinversi	niversity E	9 Non-regular Selaw Iniversity 299 6 7 23 18 4 1 3 6 23 48 58	University or higher 90 0 2 7 7 4 4 4 6 1 1 0 0 2 14 16 11 1 8 8 1 1 0 0 0 University University		University or higher 11 0 0 0 2 2 2 2 2 2 0 0 0 0 0 2 2 1 1 0 0 0 0	29 29 12 11 0 0 0 0 0 2 12 12 1 0 0 0 0 0 0 0	Below university 2011 3 4 4 12: 27 5 5 0 1 1 155 20 22: 5 1 5 5 Non-labou Below	University or higher 355 30 0 0 1 1 1 4 4 5 0 0 0 0 5 6 6 4 4 8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Attending school 48	Labour force Self employ Self employ Below university 201 0 0 6 9 30 30 30 32 10 11 12 4 5 Chuspku Labour force Self employ	ved worker University or higher 22 0 0 5 13 18 18 10 0 2 4 3 2 1 0 0 ved worker	Below university	University or higher 10 0 0 0 2 2 0 0 0 0 1 1 2 2 1 0 0 0 University University	corporation Below university 130 0 3 13 23 26 22 2 0 0 0 4 9 144 2 1 1	University or higher 55 0 0 2 2 8 14 166 7 1 1 1 0 0 0 1 1 2 2 2 1 1 0 0 0 0 0 0 0	Below university 1431 9 53 189 272 2566 22 3 3 2 2 5 5 45 707 117 70 70 70 70 70 70 70 70 70 70 70 70 70	University or higher 742 0 16 155 1755 154 83 7 1 1 0 0 155 63 38 23 10 0 0 University University University University	Balaw university 987 155 30 32 23 60 60 60 12 5 61 61 61 61 61 61 61	University or higher 295 0 9 9 28 15 14 38 19 4 4 1 0 9 9 23 39 23 4 4 1 0 0 employee University		University or higher 30 0 1 1 5 4 4 4 4 1 1 0 0 0 1 1 4 3 2 2 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	school	Below University of the service of t	
Male 15-19 years old 25-34 years old 35-44 years old 35-49 years old 35-49 years old 35-49 years old 35-54 years old 45-54 years old 45-54 years old 35-44 years old 35-49 years old 35-59 years old 35-79 years old 35-years old and over	Labour from Color		University Bit or higher or higher or higher or higher or triangle or or triangle or or triangle triangle or triangle tri	proration plane University 43 1 43 1 43 1 43 1 43 1 43 1 43 1 43 1 43 1 43 1 44 44		slow or wiversity of six	Iniversity I higher 1	9 Voes-regular 24low university 259 6 9 6 7 7 23 18 4 4 1 3 6 23 48 58 58 58 23 3 4 1	University or higher 90 0 2 7 7 4 4 4 14 6 1 0 0 2 2 14 4 11 8 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Below university	University or higher 11 0 0 0 2 2 2 2 2 2 0 0 0 0 0 2 2 1 1 0 0 0 0	29 2 12 1 0 0 0 0 0 0 0 2 2	Below university. 201 1 3 4 4 12 27 5 5 1 120 22 22 51 5 5 Norr-labou	University or higher	Attending school 48 5 18 11 0 0 0 0 5 16 10 0 0 0 Attending school	Labour forc Self employ Self employ Below university 201 0 6 19 30 30 30 22 10 0 11 11 0 0 3 12 13 14 12 4 5 Chugoku Labour forc	red worker University or higher 22 0 0 5 13 188 180 0 2 2 4 3 2 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Below university 58 0 0 0 0 0 3 3 3 0 0 1 1 1 1 0 0 0 0 4 4 9 9 14 4 5 5	University or higher 10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Executive of corporations	University or higher 55 0 0 0 2 2 8 14 16 7 7 1 1 0 0 0 1 1 2 2 2 2 1 1 0 0 0 0 0 0 0	Balow university 1431 9 9 3 189 9 272 256 136 22 2 3 2 2 5 107 117 121 70 17 4 3 3	University or higher 742 0 166 155 175 154 83 7 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Balow university 987 155 30 32 23 20 60 60 12 5 16 28 73 161 211 159 63	University or higher 295 0 0 9 26 15 14 38 19 4 4 1 1 0 0 9 43 4 4 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Below university 70 1 3 6 6 7 7 3 3 0 0 0 1 2 7 7 8 8 9 9 5 4 4 1 1 0 0 Unemploys	University or higher 30 0 0 1 1 5 5 4 4 4 1 1 0 0 0 1 1 4 4 3 2 2 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	school 94 42 3 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Below University of the service of t	investry Attending to 1939 132 132 133 133 134 14 14 16 5 0 1 15 15 15 15 15 15 15 15 15 15 15 15 1
Male 15 - 15 years old 25 - 15 years old 25 - 15 years old 35 - 14 years old 35 - 14 years old 35 - 14 years old 35 - 16 years old 36 years old 36 years old 36 year	Ealmon from Ealmon from Ealmon from Ealmon from Ealmon from Ealmon from from from from from from from from		University B	proration plane University 43 1 43 1 43 1 43 1 43 1 43 1 43 1 43 1 43 1 43 1 44 44	17 17 17 17 17 17 17 17	show U inversity of 530 530 530 58 58 58 58 53 53 53 54 11 12 16 56 58 58 11 11 11 11 11 11	Iniversity I higher 1 257 0 0 5 5 48 56 50 0 0 0 5 5 24 18 11 15 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	9 voor regular 280 low 30 low 31 low 32 low 33 low 34 low 34 low 35 low 36 low 37 low 37 low 38 low 48 low 41 low 48 l	University or higher 90 0 2 7 7 4 4 4 6 1 1 6 1 1 1 6 1 1	Below university	University or higher 11 0 0 0 2 2 2 2 2 2 0 0 0 0 0 2 2 1 1 0 0 0 0	school 29 29 21 10 00 00 00 00 00 00 00 00 00 00 00 00	Below university 2011 3 4 4 122 27 5 5 0 1 1 155 200 22 22 51 21 21 8 5 5 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	University or higher 355 30 0 0 1 1 1 4 4 5 0 0 0 0 5 6 6 4 4 8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Attending school 485 5 188 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Labour force Self employ Self employ Below university 201 0 0 6 9 30 30 30 32 10 11 12 4 5 Chuspku Labour force Self employ	ved worker University or higher 22 0 0 5 13 18 18 10 0 2 4 3 2 1 0 0 ved worker	Below university 58 0 0 0 0 0 3 3 3 0 0 1 1 1 1 0 0 0 0 4 4 9 9 14 4 5 5	University or higher 10 0 0 0 2 2 0 0 0 0 1 1 2 2 1 0 0 0 University University	Executive of corporations	University or higher 55 0 0 2 2 8 14 166 7 1 1 1 0 0 0 1 1 2 2 2 1 1 0 0 0 0 0 0 0	Below university 1431 9 153 189 272 256 136 222 3 3 2 157 107 117 121 70 177 4 3 8 8 18 18 18 18 18	University or higher 742 0	Balaw university 987 155 30 32 23 60 60 60 12 5 61 61 61 61 61 61 61	University or higher 295 0 9 9 28 15 14 38 19 4 4 1 0 9 9 23 39 23 4 4 1 0 0 employee University	Below university 70 1 3 6 6 7 7 3 3 0 0 0 1 2 7 7 8 8 9 9 5 4 4 1 1 0 0 Unemploys	University or higher 30 0 1 1 5 4 4 4 4 1 1 0 0 0 1 1 4 3 2 2 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	school 94 42 3 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Below University of the service of t	
Malle 18 - 19 years old 20 - 21 years old 20 - 21 years old 35 - 44 years old 46 - 16 years old 47 - 17 years old 48 - 17 years old 48 - 19 years old 49 - 17 years old 20 - 19 years old 21 - 14 years old 48 - 16 years old 49 - 17 years old 40 - 17 years old 40 - 17 years old 40 - 17 years old 41 - 17 years old 42 - 17 years old 43 - 18 - 19 years old 46 - 18 - 19 years old 47 years old 48 - 18 - 19 years old 49 - 18 - 19 years old 50 - 18 years old 51 - 18 years old	Enhance from Enha		University B	proration plane University 43 1 43 1 43 1 43 1 43 1 43 1 43 1 43 1 43 1 43 1 44 44	17 17 17 17 17 17 17 17	abov U 500 500 3 3 9 50 87 50 87 50 87 50 88 1 1 1 50 50 60 1 1 1 1 1 1 1 1 1	Initiative city 2 257	9 9 100	University or higher 90 0 2 2 7 7 4 4 4 14 4 6 6 1 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Balow university 19 10 10 10 10 10 10 10	University or higher 11 0 2 2 2 0 0 0 0 2 11 University or higher	29 29 12 12 10 0 0 0 0 0 2 12 12 0 0 0 0 0 0	Below statewesty 201	University or higher 355 30 0 0 1 1 1 4 4 5 0 0 0 0 5 6 6 4 4 8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Attending school	Labour fixes plane and pla	ved worker University or higher 22 0 0 5 13 18 18 10 0 2 4 3 2 1 0 0 ved worker	Below university 58 0 0 0 0 0 3 3 3 0 0 1 1 1 1 0 0 0 0 4 4 9 9 14 4 5 5	University or higher 10 0 0 0 2 2 0 0 0 0 1 1 2 2 1 0 0 0 University University		University or higher 55 0 0 2 2 8 14 166 7 1 1 1 0 0 0 1 1 2 2 2 1 1 0 0 0 0 0 0 0	Balaw university 193 1	University or higher 7 742 gr higher 7 16 15 15 15 15 15 15 15 15 15 15 15 15 15	Below university	University or higher 295 0 9 9 28 15 14 38 19 4 4 1 0 9 9 23 39 23 4 4 1 0 0 employee University	Below university 70 1 3 6 6 7 7 3 3 0 0 0 1 2 7 7 8 8 9 9 5 4 4 1 1 0 0 Unemploys	University or higher 30 0 1 1 5 4 4 4 4 1 1 0 0 0 1 1 4 3 2 2 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	school 104 194 195 195 195 195 195 195 195 195 195 195	Below University of the service of t	
Male 18-19 years old 20-24 years old 20-34 years old 20-34 years old 20-44 years old 20-44 years old 20-44 years old 20-44 years old 20-45 years old 20-55 years old 20-56 years old	Enhance from Enha		University B	proration plane University 43 1 43 1 43 1 43 1 43 1 43 1 43 1 43 1 43 1 43 1 44 44			Interestity E	9 9 Voor vegular 10 10 10 10 10 10 10 10 10 10 10 10 10	University or higher 900 0 0 0 0 0 0 0 0	Balow university 19 10 10 10 10 10 10 10	University or higher 11 0 2 2 2 0 0 0 0 2 11 University or higher	29 29 12 12 10 0 0 0 0 0 2 12 12 0 0 0 0 0 0	Below university 201 201 201 201 201 201 201 201 201 201	University or higher 355 30 0 0 1 1 1 4 4 5 5 0 0 0 0 5 6 6 4 4 8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Attending school	Labour forc Stelf employ Bloker university 201 6 6 9 30 30 32 10 11 10 Chugoku Labour forc Stelf employ Elslow university 10 3 12 4 5 Chugoku Labour forc Stelf employ Elslow university 10 5 6 10 0 3 11 10 0 0 3 11 11 12 13 14 12 14 15 15 16 16 17 18 18 18 18 18 18 18 18 18 18 18 18 18	ved worker University or higher 22 0 0 5 13 18 18 10 0 2 4 3 2 1 0 0 ved worker	Below university 58 0 0 0 0 0 3 3 3 0 0 1 1 1 1 0 0 0 0 4 4 9 9 14 4 5 5	University or higher 10 0 0 0 2 2 0 0 0 0 1 1 2 2 1 0 0 0 University University	Executive of corporations	University or higher 55 0 0 2 2 8 14 166 7 1 1 1 0 0 0 1 1 2 2 2 1 1 0 0 0 0 0 0 0	Below university 1431	University or higher 7 742 gr higher 7 16 15 15 15 15 15 15 15 15 15 15 15 15 15	Below university 982 9	University or higher 295 0 9 9 28 15 14 38 19 4 4 1 0 9 9 23 39 23 4 4 1 0 0 employee University	Below university 70 1 3 6 6 7 7 3 3 0 0 0 1 2 7 7 8 8 9 9 5 4 4 1 1 0 0 Unemploys	University or higher 30 0 1 1 5 4 4 4 4 1 1 0 0 0 1 1 4 3 2 2 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	school 104 194 195 195 195 195 195 195 195 195 195 195	Below University of the service of t	
Mule 15 - 19 years sidd 20 - 24 years sidd 20 - 24 years sidd 25 - 44 years sidd 45 - 54 years sidd 65 - 64 years sidd 65 - 64 years sidd 65 - 65 years sidd 65 - 65 years sidd 20 - 24 years sidd 20 - 24 years sidd 25 - 34 years sidd 25 - 34 years sidd 25 - 34 years sidd 26 - 65 years sidd 27 - 74 years sidd 28 - 64 years sidd 29 - 24 years sidd 20 - 24	Enhance Enha		University B	proration plane University 43 1 43 1 43 1 43 1 43 1 43 1 43 1 43 1 43 1 43 1 44 44	17 17 17 17 17 17 17 17	abov U	Interesting 1	9 Near regular Salaw Sa	University or higher 900 2 2 7 7 4 4 4 14 4 16 1 10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Balow university 19 10 10 10 10 10 10 10	University or higher 11 0 2 2 2 0 0 0 0 2 11 University or higher	school 29 2 2 12 2 12 1 0 0 0 0 0 0 0 2 2 12 1 1 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Below	University or higher 355 30 0 0 1 1 1 4 4 5 5 0 0 0 0 5 6 6 4 4 8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Attending whool 444 when 544 when 544 when 544 when 545	Lahour face of the control of the co	ved worker University or higher 22 0 0 5 13 18 18 10 0 2 4 3 2 1 0 0 ved worker	Below university 58 0 0 0 0 0 3 3 3 0 0 1 1 1 1 0 0 0 0 4 4 9 9 14 4 5 5	University or higher 10 0 0 0 2 2 0 0 0 0 1 1 2 2 1 0 0 0 University University		University or higher 55 0 0 2 2 8 14 166 7 1 1 1 0 0 0 1 1 2 2 2 1 1 0 0 0 0 0 0 0	Balaw university 193 1	University or higher 7 742 gr higher 7 16 15 15 15 15 15 15 15 15 15 15 15 15 15	Below university	University or higher 295 0 9 9 28 15 14 38 19 4 4 1 0 9 9 23 39 23 4 4 1 0 0 employee University	Below university 70 1 3 6 6 7 7 3 3 0 0 0 1 2 7 7 8 8 9 9 5 4 4 1 1 0 0 Unemploys	University or higher 30 0 1 1 5 4 4 4 4 1 1 0 0 0 1 1 4 3 2 2 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	school 104 194 195 195 195 195 195 195 195 195 195 195	Below University of the service of t	
Male 15 - 15 years old	Enhance from Part		University B	proration plane University 43 1 43 1 43 1 43 1 43 1 43 1 43 1 43 1 43 1 43 1 44 44	17 17 17 17 17 17 17 17	solver U (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)		9 Near regular Salaw Sa	University or higher 900 9	Balow university 19 10 10 10 10 10 10 10	University or higher 11 0 2 2 2 0 0 0 0 2 11 University or higher	29 29 12 12 10 0 0 0 0 0 2 12 12 0 0 0 0 0 0	Balow university 100 1	University or higher 355 30 0 0 1 1 1 4 4 5 5 0 0 0 0 5 6 6 4 4 8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Attending school 6	Lahour face of the control of the co	ved worker University or higher 22 0 0 5 13 18 18 10 0 2 4 3 2 1 0 0 ved worker	Below university 58 0 0 0 0 0 3 3 3 0 0 1 1 1 1 0 0 0 0 4 4 9 9 14 4 5 5	University or higher 10 0 0 0 2 2 0 0 0 0 1 1 2 2 1 0 0 0 University University		University or higher 55 0 0 2 2 8 14 166 7 1 1 1 0 0 0 1 1 2 2 2 1 1 0 0 0 0 0 0 0	Balow university 1431 150	University or higher 10 10 10 10 10 10 10 1	Below university 517 15 15 15 15 15 15 15 15 15 15 15 15 15	University or higher 295 0 9 9 28 15 14 38 19 4 4 1 0 9 9 23 39 23 4 4 1 0 0 employee University	Below university 70 1 3 6 6 7 7 3 3 0 0 0 1 2 7 7 8 8 9 9 5 4 4 1 1 0 0 Unemploys	University or higher 30 0 1 1 5 4 4 4 4 1 1 0 0 0 1 1 4 3 2 2 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	school 104 194 195 195 195 195 195 195 195 195 195 195	Below University of the service of t	
Male 18 - 19 years old 20 - 24 years old 35 - 44 years old 45 - 54 years old 45 - 54 years old 45 - 54 years old 46 - 50 years old 47 - 74 years old 48 - 54 years old 28 - 54 years old 48 - 54 years old 48 - 54 years old 48 - 54 years old 50 - 54 years old	Enhance from Park		University B	proration plane University 43 1 43 1 43 1 43 1 43 1 43 1 43 1 43 1 43 1 43 1 44 44	17 17 17 17 17 17 17 17	obset U (1) (50) (50) (50) (50) (50) (50) (50) (50		9 Non-regular states with the	University or higher 900 2 2 7 7 4 4 4 14 4 16 1 10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Balow university 19 10 10 10 10 10 10 10	University or higher 11 0 2 2 2 0 0 0 0 2 11 University or higher	school 29 2 2 12 2 12 1 0 0 0 0 0 0 0 2 2 12 1 1 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Balow university Balow	University or higher 355 30 0 0 1 1 1 4 4 5 5 0 0 0 0 5 6 6 4 4 8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Attending whool 444 when 544 when 544 when 544 when 545	Lahour face of the control of the co	ved worker University or higher 22 0 0 5 13 18 18 10 0 2 4 3 2 1 0 0 ved worker	Below university 58 0 0 0 0 0 3 3 3 0 0 1 1 1 1 0 0 0 0 4 4 9 9 14 4 5 5	University or higher 10 0 0 0 2 2 0 0 0 0 1 1 2 2 1 0 0 0 University University		University or higher 55 0 0 2 2 8 14 166 7 1 1 1 0 0 0 1 1 2 2 2 1 1 0 0 0 0 0 0 0	Balaw university 193 1	University or higher 742 742 743 744 7	Below university	University or higher 295 0 9 9 28 15 14 38 19 4 4 1 0 9 9 23 39 23 4 4 1 0 0 employee University	Below university 70 1 3 6 6 7 7 3 3 0 0 0 1 2 7 7 8 8 9 9 5 4 4 1 1 0 0 Unemploys	University or higher 30 0 1 1 5 4 4 4 4 1 1 0 0 0 1 1 4 3 2 2 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	school 104 194 195 195 195 195 195 195 195 195 195 195	Below University of the service of t	

	Shikoku																Куцкуп															
	Labour for	D0												Non-labou	r force		Labour for	D0												Non-labour	force	
	Self emplo	yed worker	Family wo	rker	Executive o	f company o	Regular en	nployee	Non-regula	remployee	Unemploys	nent	7				Self emplo	yed worker	Family wo	rker	Executive of	f company or	Regular en	nployee	Non-regula	aremployee	Unemploy	ment	1			
					corporation																corporation											
	Below				Below	University		University	Below	University		University	Attending	Below	University	Attending	Below		Below			University			Below			University	Attending	Below	University	Attending
	university	or higher	university	or higher	university	or higher	university	or higher	university	or higher	university	or higher	school	university	or higher	school	university	or higher	university	or higher	university	or higher	university	or higher	university	or higher	university	or higher	school	university	or higher	echool
	70	27	27	3	36	14	332	163	188	57	20	10	19	176	34	32	202	86	88	18	110	45	1153	567	752	231	78	34	75	587	119	11
Male 15 · 19 years old	0	0	0	0	0		2	-	2		0		2		0	5	0	0	0		0	0	6		9		1		- 6	0	0	- 1
20 · 24 years old	0	0	0	0	0		13	4	4		0		9	1	0	13	0	0	0	0	0		37	11	17	5	5	- 1	29	3	0	4
25 - 34 years old	3	2	0	0	0		35	29	6	5	3	2	1	3	1	1	6	5	3	2	3	2	131	107	23	19	9	7	3	10	3	1 .
35 - 44 years old	6	4	0	0	3	2	55	35	3	2	3	2	. 0	4	1		19	13	3	2	13	8	191	123	19	13	6	4	0	13	3	
45 - 54 years old	7	4	0	0	7	4	53	32	3	2	0			4	1		27	16	3	2	17	10	173	104	17	10	7	4	0	18	4	
55 - 64 years old	13	8	0	0	7	4	33	20	13	8	3	2	. 0	16	6		40	24	0	0	20	12	119	73	53	32	10	6	0	39	14	
65 - 69 years old	13	4	0	0	5	2	5	2	10	3	0		0	16	5		34	- 11	1	0	19	6	19	6	42	13	3	- 1	0	64	16	
70 - 74 years old	4	1	0	0	1		1		2	1	0			5	0		10	3	1	0	3	1	3	1	8	1 3	0		0	16	5	
75 years old and over	4	- 1	0	0	0		0		1		0		0	5	0		- 11	4	1		2	- 1	2	- 1	3	1 1	0		0	- 11	0	_
Female 15 · 19 years old	0	0	0	0	0		- 1		2		0		1	0	0		0	0	0	0	0		4		12		1	0	6	0	0	- 1
20 · 24 years old	0	0	0	0	0		8	3	4	1	0		6	1	0	12	0	0	0		0	۰	35	- 11	20	7	2	1	30	4	0	4
25 · 34 years old	0		0		0		27	16	17	10	3	2		15	5	1	3	2	3	2	0		97	57	67	39	1 7	4	1	46	16	1 3
35 - 44 years old	4	1	4	1			36	12	32	10	4			20		1 .	8	3	8	3		1	117	38	121	31		3		//	24	i '
45 · 54 years old	4	1	1 4	1	4		36	1 :	40		1 4			18	3		9	2	13	3	9	2	121	23	139	26		2	0	/2	13	1 '
55 - 64 years old	, b	1	9	1		1	23	3	33				1 .	42		1 .	14	2	23	3	9	1	14	- 11	140	20		1 :		139	21	i '
65 - 69 years old 70 - 74 years old	1 1				3		3	1 :	13		0			16		1 :	12	1	17	1	8	1	14	1	. 50	3	1 1		0	53	0	i '
75 years old and over			2					1 :	1 4												- 4		3							- 11		1 '
75 years old and over	- 4					_		_	_	_		_									_					_	, ,					
	Okinawa																T															

			Okinawa															
			Labour forc													Non-labour	force	
			Self employ	ed worker	Family wor	ker	Executive of corporation	company or	Regular em	ployee	Non-regula	remployee	Unemployn	nent				
		- 1	Below	University	Below	University	Below	University	Below	University	Below	University	Below	University	Attending	Below	University	Attending
		- 1	iniversity	or higher	university	or higher	university	or higher	university	or higher	university	or higher	university	or higher	school	university	or higher	school
			23	9	0		3	2	118	60	89	32	0	0	8	74	17	14
М	ale 15 · 19 years old		0	٥	0	٥	0	٥	0	٥	1	0	0	0	1	0	0	٥
	20 · 24 years old		0	0	0	0	0	0	3	1	2	1	0		2		0	7
	25 · 34 years old		0	0	0	0	0	0	15	12	6	5	0	0	0	3	1	- 1
	35 - 44 years old		3	2	0	0	0	0	23	15	3	2	0	0	0	4	1	0
	45 - 54 years old		3	2	0	0	0	0	17	10	3	2	0	0	0	4	1	0
	55 - 64 years old		7	4	0		3	2	10	6	7	4	0		0	8	3	۰
	65 - 69 years old		4	- 1	0	0	0	0	3	- 1	3	- 1	0	0	0	5	0	0
	70 - 74 years old		1		0		0		0		1		0		0		0	
ш	75 years old and		1	0	0	0	0		0		0		0		0		0	0
Fe	omale 15 · 19 years old		0		0		0		0		2		0		1		0	
	20 · 24 years old		0		0		0		3	1	4	1	0		4	- 1	0	6
	25 · 34 years old		0		0		0		10	6	10	6	0		0	8	3	
	35 - 44 years old		0		0		0	۰	12	4	16	5	0		0	8	3	۰
	45 - 54 years old		0		0		0		13	3	13	3	0		0	9	2	
	55 - 64 years old		0		0		0	۰	9	1	14	2	0		0	19	3	۰
	65 - 69 years old		2		0		0		0		3		0		0	5	0	
	70 - 74 years old		1		0		0		0		1		0		0		0	
ш	75 years old and	OVET			0		0		0		0		0		0		0	

Reference (2) Allocation and collection count

The number of persons from whom actual effective answers were obtained is as below after the implementation of survey with the target of the allocation produced in Reference (1).

	Allocation																
		All over the	country														
		Labour forc												-	Non-labour	force	
		Self employ	ed worker	Family wor	ker		company or	Regular em	ployee	Non-regula	r employee	Unemployn	nent				
						corporation								ļ			,
		Below	University	Below	University	Below	University	Below	University	Below	University	Below	University	Attending	Below	University	Attending
		university	or higher	university	or higher	university	or higher	university	or higher	university	or higher	university	or higher	school	university	or higher	school
Male	15 · 19 years old	1750	722 0	538 0	101	1207	508	11764 61	6003	7824 122	2386	662 9	297 0	832 73	5921 5	1239 0	1171 127
wate	20 · 24 years old	2	1	0	0	0	0	379	113	244	72	35	10	324	27	2	458
	25 · 34 years old	59	46	15	10	33	24	1445	1184	262	215	74	59	27	110	36	36
	35 · 44 years old	179	116	21	14	132	84	2118	1364	210	135	66	43	0	143	32	0
	45 · 54 years old	247	148	12	8	204	122	2049	1232	196	118	62	38	0	172	37	0
	55 · 64 years old	284	172	0	0	228	138	1134	688	497	301	66	40	0	369	135	0
	65 - 69 years old	281	90	6	0	204	66	189	61	448	141	30	10	0	613	144	0
	70 · 74 years old	84	27	6	0	31	9	28	9	90	27	2	0	0	132	25	0
F1-	75 years old and over	92	28	6	0	18	5	17 37	5	34 145	10	10	0	75	101	10	116
Female	15 · 19 years old 20 · 24 years old	0	0	0	0	0	0	330	107	252	83	27	11	322	35	2	407
	25 · 34 years old	32	20	15	10	10	6	973	575	620	367	62	38	11	545	188	23
	35 · 44 years old	84	26	52	16	44	13	1114	362	1230	398	72	23	0	853	269	4
	45 · 54 years old	110	23	77	17	87	19	1126	212	1587	299	73	16	0	825	151	0
	55 - 64 years old	117	17	131	19	109	17	604	84	1280	184	53	9	0	1327	198	0
	65 - 69 years old	102	7	116	7	79	5	116	7	485	30	16	0	0	468	10	0
	70 · 74 years old	36	0	39	0	17	0	26	0	92	5	4	0	0	112	0	0
	75 years old and over	41	1	42	0	11	0	18	0	30	1	0	0	0	79	0	0
Collect	ion count (final effecti																
		All over the Labour forc													M1-1	£	
		Self employ		Family wor	Iron	Evocutivo of	oomnony or	Regular em	nloroo	Non-regula	n om ploroo	Unemployn	n ont	ī	Non-labour	Iorce	
		Sen employ	eu worker	raininy wor	Kei	corporation	company or	rtegular em	pioyee	Non regula	r employee	Chempioyn	ient				
		Below	University	Below	University	Below	University	Below	University	Below	University	Below	University	Attending	Below	University	Attending
		university	or higher	university	or higher	university	or higher	university	or higher	university	or higher	university	or higher	school	university	or higher	school
		2637	1360	624	160	1144	677	15079	11936	9997	3639	543	297	2279	7801	2662	1560
Male	15 · 19 years old	6	2	2	0	1	0	21	1	27	2	1	0	262	78	2	451
	20 · 24 years old	24	10	9	1	19	6	322	298	176	68	18	6	644	75	38	381
	25 · 34 years old	257	136	61	26	101	87	3186	5123	849	601	102	93	182	315	162	68
	35 · 44 years old	335 276	174 149	67	30	154	110 107	3312	2295	477 270	221	60	30 30	65	238	74 58	6
	45 - 54 years old 55 - 64 years old	331	234	27 17	13 4	202 223	151	2182 1205	1255 739	599	133 375	51 37	29	29 31	198 403	196	7 5
	65 · 69 years old	381	176	11	7	83	77	1203	95	421	378	19	22	6	661	542	13
	70 · 74 years old	132	103	6	3	56	38	32	27	147	82	0	4	4	263	153	4
	75 years old and over	62	68	1	1	16	32	12	14	63	53	2	2	7	158	122	5
Female	15 · 19 years old	4	1	1	0	1	0	10	0	34	5	5	0	304	29	5	282
	20 · 24 years old	48	9	10	2	18	6	341	279	351	84	38	3	608	166	25	260
	25 · 34 years old	149	65	36	14	33	12	1118	918	985	493	37	34	45	729	287	30
	35 · 44 years old 45 · 54 years old	139 158	68 55	59 104	15 14	33 59	9	1224 1173	498 258	1447 1777	466 324	58 65	21 14	34 30	918 969	354 183	13 10
	55 · 64 years old	150	69	142	22	93	22	701	123	1316	267	38	7	22	1424	252	14
	65 · 69 years old	124	23	45	7	35	4	91	10	910	65	10	2	4	867	167	10
	70 · 74 years old	33	13	17	1	10	4	13	3	113	17	2	0	1	178	20	1
	75 years old and over	28	5	9	0	7	1	7	0	35	5	0	0	1	132	22	0
Excess/	deficiency count																
		All over the															
		Labour forc												T	Non-labour	force	
		Self employ	ed worker	Family wor	ker	Executive of corporation	company or	Regular em	ployee	Non-regula	r employee	Unemployn	nent				
		n i	rr	D. 1	**		rr	n i	rv	D. 1	rr	D 1	rr		n 1		1
		Below university	University or higher	Below university	University or higher	Below university	University or higher	Below university	University or higher	Below university	University or higher	Below university	University or higher	Attending school	Below university	University or higher	Attending school
		887	638	86	59	(63)	169	3315	5933	2173	1253	(119)	or ingiler	1447	1880	1423	389
Male	15 · 19 years old	6	2	2	0	1	0	(40)	1	(95)	1233	(8)	0	189	73	2	324
	20 · 24 years old	22	9	9	1	19	6	(57)	185	(68)	(4)	(17)	(4)	320	48	36	(77
	25 · 34 years old	198	90	46	16	68	63	1741	3939	587	386	28	34	155	205	126	32
	35 · 44 years old	156	58	46	16	22	26	1194	931	267	86	(6)	(13)	65	95	42	6
	45 · 54 years old	29	1	15	5	(2)	(15)	133	23	74	15	(11)	(8)	29	26	21	7
	55 · 64 years old	47	62	17	4	(5)	13	71	51	102	74	(29)	(11)	31	34	61	5
	65 · 69 years old	100	86	5	7	(121)	11	(60)	34	(27)	237	(11)	12	6	48	398	13 4
	70 - 74 years old 75 years old and over	48 (30)	76 40	0 (5)	3	25 (2)	29 27	4 (5)	18 9	57 29	55 43	(2)	4 2	4 7	131 57	128 112	5
Female	15 · 19 years old	(30)	1	(5)	0	(2)	0	(27)	0	(111)	5	(5)	0	229	24	5	166
- Ciliale	20 · 24 years old	48	9	10	2	18	6	11	172	99	1	11	(8)	286	131	23	(147
		117	45	21	4	23	6	145	343	365	126	(25)	(4)	34	184	99	7
	25 · 34 years old	117															
	35 · 44 years old	55	42	7	(1)	(11)	(4)	110	136	217	68	(14)	(2)	34	65	85	9
	35 · 44 years old 45 · 54 years old	55 48	42 32	7 27	(3)	(28)	(8)	47	46	190	25	(14) (8)	(2)	34 30	65 144	32	10
	35 · 44 years old	55	42	7								(14)		34	65		9 10 14 10

70 · 74 years old 75 years old and

^{*} Above data show total of whole Japan. In detail, total throughout the country by 11 areas. Figures in the brackets represent number in deficiency

^{* 20} samples are excluded from the above collection count for this year survey due to their overseas emigration

Reference (3) Calculation method of weighted values

<Calculation procedures>

- I. Calculate number of persons for each cell in case collection can be made up according to the population construction
- II. Calculation of weighted values

<Calculation procedures in detail>

I. Calculate number of persons for each cell in case collection can be made up according to the population construction

Ι-i.

• Calculate overall construction ratio of each cell using the data of population person count produced in Reference (1)-I

However, $70 \sim 74/75$ years old and over cells will be included in one cell with 70 years old and over.

I-ii.

• Calculate number of persons for each cell in case of collection of 62,395 can be made up according to the population, multiplying 62,395 excluded 20 samples of overseas emigrants out of the effective answer count of the survey by overall construction ratio of the population

II. Calculation of weighted values

- Calculate the coefficient (weighted value) to make the actual collection count for each cell as the same number of persons calculated in I-ii
- Calculation was done in following 2 patterns; As for unemployment and non-labour force, the
 weighted value calculated with Pattern A is to be used, and for the rest of persons, the weighted value
 calculated with Pattern B is to be used
 - Pattern A: Number of all cells of the population produced in Reference (1)-I (3,168 cells)
 - Pattern B: 1,056 cells for $25 \sim 64$ years old by gender, stratified age group, status of employment, education background and areas.
 - 96 cells for other age groups by gender, stratified age group, status of employment, education background.

Pattern A * Hokkaido only as an example

Collection count (final samples)																		Meal	l count of persons in case coll-			boording to	the popul	ation cons	traction										
	Hokkaido	o															_			Hokkaido										_			_		
	Labour fo													Non-labor	sur force					Labour for												_ '	Non-labour t	ar force	
	Self emp	loyed worker	Family	worker	Executive o	of company or	or Regular en	.mployee	Nonregul	ılar employee	Unemploy	yment	1							Self emple	loyed worker	Family wo	irker	Executive c	of company or	.r Regularer	.mployee	Nonregula	ar employee	Unemploy	/ment	1 '	1		
					corporation		1 '													l				corporation	4	1						1 '	İ		- 1
	Below	University				University		University		University		University	Attending		University					Bolow	University		University		University		University		University			Attending		University	
	university	y or higher	universi	ty or higher	university	or higher	university	or higher	university	y or higher	university	or higher	school	university	r or higher	school				university	or higher	university	or higher	university	orhigher	university	or higher	university	or higher	university	orhigher	school	university	or higher	school
	18	84 6	3	34 5	65	. 37	2 1274	74 895	.5 62"	27 190	J 31	1 15	85	5 433	33 11	6 6	18			76	6 31	25	1 4	52	. 21	1 481	31 240	0 362	110	38	3 16	s 35	910	124	. 139
Male 15 - 19 years old	4	0	0	0 0	. 0		4 6	0 0	a 1	0 0	4	0 0	10	1 0	0	0 1	0	Male			0 0	0	. 0	. 0		2 3	3 0	J 5	0		(07	J 3	3,	. 0	J 51
20 - 24 years old	4	1 1	0	0 0	1	. 0	J 19	6 15	.5 1°	.3 1		0 0	22	e :	5	5 1	5		20 - 24 years old		0 0	0	. 0	. 0		2 17	/ 5	9 د	3	. 3	3 1 1	14	1 12	. 0	. 18
25 - 34 years old		13	4	4 2	4		J 19"	J 16"	.3 6'	.0 35	5 /	4 4		5 25	30	9	4		25 - 34 years old		3 3	. 0			2 6	J 52	2 45	J 12	10		s 3	s 1 1	7,	. 2	. 2
35 - 44 years old		64 2	2	11 2	23	. 15	s 70°	15 536	36 139	.9 52	2 15	0 3	13	1 4/	a6 1	2	1		35 - 44 years old		7 4				/ 4	+ 82	a 52	J 10	. 7	3	5 2	2 0	5,	. 1	. 0
45 - 54 years old		19	6	2 0	9	, 2	3 10"	.1 5'	a 1/	.0 9	4 /	0 4		2 (9	5	1		45 - 54 years old	11	1 6			7	/ /	+ 85	å 51	4 11	6	. 4	4 2	z 0	1 9	. 2	. 0
55 - 64 years old		16 1:	3	1 0	7	. 2	a 6'	0 3'	à 2°	.7 16	a .	2 0		1		8	0		55 - 64 years old	14	4 9			11		é 52	3 32	2 21	13	4	4 2	2 0	21	. 8	. 0
65 - 69 years old		21	2	0 0		, ,	4 /		1 2	2 10	0 .				4 2	4			65 - 69 years old		8 2					4 4	0 5	1 10			0 0	1 0	1 46	10	a 0
70 years old and over	4		3	1 0	. 4		1 2	2	1 .	7 5	5 /			a 11	5	*	1		20 years old and over	16	0 3						4 .		3.1				179	41	
Female 15 · 19 years old	_	0	1	0 0	1	+ +	o 7	0	0	2 7	1		7		1	0 1	6	Femal			0 0	0			+ +	1 2	2 (1 5	0	-	1 0	1 3	5		50
20 - 24 years old	4							. 19					15						20 - 24 years old														1 2		A 17
25 - 34 years old	4 .		ĭ						a	29 17			1 7						25 - 34 years old								4 1				4		1 10	, i	a ",
35 - 44 years old	4		: 1										1 7				-		35 · 44 years old														1,		
45 - 54 years old	4		: 1	3 0								1 1	1 .			-			45 - 54 years old		21	1 :				. "	. 14	. 30	10		.1 .7		1 30 1	.1 '*	
	4		<u> </u>	1	· °		.1 24	. 12		. 10			1 :			3	1				21 !!					40			13		.1		1 ***	.1	
55 - 64 years old	,	10	1	5 0	. 3		. 27		. 65	/ 12	. 3		3	. 83	.2	9	1		55 - 64 years old		4 11	5				. 25	. 4	64	9		.1		1 29 1	. 12	
65 - 69 years old		8	2	1 0	1		. 2	2 1	. 57	7 1	. 1		0	40	.3	5	0		65 - 69 years old	4	4 01	4		3			. 0	. 21	11	0	. 07	. 01	90 1	1 4	
70 years old and over	_	5	1	0 0			2	4 0	4	6 1	. 0	٥ د		1 17	3	1	1		70 years old and over		5 0	6				. 5		10	1				354	15	0

Calculate the coefficient to make the left table figures as the same ones in right table

= weighted value Pattern A

As for unemployment and non-labour force in blue frames, the weighted value calculated in this way is to be used

* For attending school cells of labour force, Pattern A is to be used only for the persons of unemployment

Pattern B

Collect	ion count (final effective	o samples)													Ideal c	ount of persons in case o	collection ca	n be made	according	to the pop	ulation co	nstruction						
		All over the	country					Hokkaido						Ī			All over the	country					Hokkaido					
		Labour fore	e		Non-labour	force		Labour for	xe		Non-labour	force		1			Labour force	2		Non-labour	force		Labour force	ze .		Non-labour	force	
																												1
				Attending			Attending		University				Attending						Attending		University			University				
						or higher					university		school	1				or higher								university		school
Male	15 · 19 years old	30024	18069	2279 262		2662	1560 451	2215	1204	85	433	116	68	+	Male	15 · 19 years old	25983 204	10798	883	18575 92	2559	3596 1363	1033	421	35	910	124	139
Mille	20 - 24 years old	568	389	644	75	38	381	33	16	22	5		15		Mille	20 - 24 years old	697	204	344	28	4	486	29	. 8	14	1 1	ő	18
	25 · 34 years old	4556	6066	182	315	162	68	275	208	8	20		4			25 · 34 years old	1995	1632	29	118	39	39	71	58	1	7	2	2
	35 · 44 years old	4405	2860	65	238	74	6	952	630	- 11	46	12	1			35 · 44 years old	2895	1867	0	154	32	0	110	71	0	5	- 1	0
	45 · 54 years old	3008	1687	29	198	58	7	141	80	2	9		1	1 1		45 · 54 years old	2936	1764	0	183	37		116	70	0	9	2	0
	55 - 64 years old	2412	1532		403	196	5	113	76	0	17	8	0		VI.	55 - 64 years old	2339	1423	0	391	145		102	62	0	21	8	0
	65 · 69 years old	1044	755	6	661	542	13	52	23	0	34	26	1			65 - 69 years old	1227	390	0	965	220		44	14	0	46	10	0
	70 years old and over 15 · 19 years old	529	427	- 11	421	275	9	20	10	0	15		1		·	70 years old and over 15 · 19 years old	866 202	275	0	3749		1246	28	9	0	179	41	0
Female	20 · 24 years old	806	383	304 609	166	25	282 260	4	2	8			10		Female	20 - 24 years old	202 649	212	80	123		433	,		3			50
	25 · 34 years old	2358	1536	45	729		30	106	40	13	27	10	13			25 - 34 years old	1820	1074	341	578	200		87	40	13	20	10	17
	35 · 44 years old	2960	1077	34	918	354	13		39	1	52	14				35 · 44 years old	2752	892	0	904	286		111	36	0	38	12	
	45 · 54 years old	3336	676	30	969	183	10		31	1	51		1			45 · 54 years old	3255	609	0	877	161		138	26	0	43	8	0
	55 · 64 years old	2440	510	22	1424	252	14	113	21	3	82		1			55 - 64 years old	2424	346	0	1406	207	0	109	15	0	79	12	0
	65 · 69 years old	1215	111	4	867	167	10	70	4	0	43		0			65 · 69 years old	965	62	0	1822	75	0	39	2	0	90	4	0
	70 years old and over	274	49	2	310	42	1	13	2	0	13	1	1	1		70 years old and over	757	49	0	7146	294	0	30	2	0	354	15	0

Calculate the coefficient to make the left table figures as the same ones in right table = weighted value Pattern B

For labor force of $25 \sim 64$ years old (excluding unemployment) in red frames, the weighted value calculated in each area is used.

For labor force of $15 \sim 24$ years old and 65 years old and over (excluding unemployment) in blue frames, the weighted value calculated in all areas of the country is used.

Reference (4) Comparison of the survey results and official statistics

Comparison between aggregated results in the survey (after weighted aggregation) and construction ratio in official statics shows as below; The results of this survey appear not strongly biased, even compared with official statics.

<Construction ratio by gender, stratified age group and type of employment>

Japanese Panel Study of Employment Dynamics 2019

The population produced in Reference (1)-I

		All over th	e country									
			Labour force							Non-labour	Non-labour force	
			Self	Family	Executive of	Regular	Non-	Unemployment				
			employed	worker	company or	employee	regular					
			worker		corporation		employee					
		n	previously	previously	previously	previously	previously	previously	Attending	previously	Attending	
		(persons)	graduated	graduated	graduated	graduated	graduated	graduated	school	graduated	school	
		62611	5.7	1.1	2.6	29.5	18.8	1.5	1.4	33.7	5.7	
Male	15 · 19 years old	1731	0.0			0.1	0.2			0.1		
	20 - 24 years old	1766	0.1	0.0	0.0	0.9	0.4	0.0	0.5	0.1	0.8	
	25 · 34 years old	3923	0.2		0.1	4.4	0.9		0.0			
	35 - 44 years old	4990	0.5	0.1	0.3	5.8	0.7	0.2	0.0	0.3	0.0	
	45 · 54 years old	4936	0.7	0.1	0.5	5.5	0.6	0.2	0.0	0.3	0.0	
	55 - 64 years old	4340	0.9	0.0	0.6	3.0	1.5	0.2	0.0	0.9	0.0	
	65 · 69 years old	2802	0.9	0.0	0.2	0.3	1.1	0.1	0.0	1.9	0.0	
	70 years old and over	5744	0.7	0.0			0.7					
Female	15 · 19 years old	1626	0.0	0.0	0.0	0.1	0.2	0.0	0.1	0.2	2.0	
	20 - 24 years old	1679	0.1	0.0			0.5		0.5			
	25 · 34 years old	3756	0.3	0.1	0.1	2.4	1.8	0.2	0.0	1.2	0.0	
	35 - 44 years old	4865	0.3		0.1	2.5	2.8		0.0			
	45 · 54 years old	4919	0.3	0.2	0.1	22	3.2	0.1	0.0	1.7	0.0	
	55 - 64 years old	4399	0.3		0.2		2.4		0.0			
	65 · 69 years old	2927	0.2	0.1	0.0	0.1	1.2	0.0	0.0	3.0	0.0	
	70 years old and over	8207	0.3	0.1	0.1	0.1	0.7	0.0	0.0	11.8	0.0	

		All over th	e country										
			Labour force								Non-labour force		
			Self	Family	Executive of	Regular	Non-	Unemployment					
			employed	worker	company or	employee	regular						
			worker		corporation		employee						
		n	previously	previously	previously	previously	previously	previously	Attending	previously	Attending		
		(persons)	graduated	graduated	graduated	graduated	graduated	graduated	school	graduated	school		
		11061	4.7	1.3	3.1	30.4	17.8	1.6	1.4				
Male	15 · 19 years old	308	0.0	0.0	0.0		0.2	0.0	0.1	0.1			
	20 · 24 years old	313	0.0						0.6				
	25 - 34 years old	683	0.2	0.0	0.1	4.5		0.2	0.0				
	35 - 44 years old	877	0.5		0.4			0.2	0.0				
	45 - 54 years old	872	0.7	0.0	0.6	5.6	0.5	0.2	0.0	0.4			
	55 - 64 years old	762	0.8	0.0			1.4		0.0				
	65 - 69 years old	497	0.6	0.0	0.5	0.4	1.0	0.1	0.0	1.9	0.		
	70 years old and over	1018	0.8	0.0	0.2	0.2	0.5	0.0	0.0	7.4			
Female	15 · 19 years old	293	0.0				0.2		0.1				
	20 · 24 years old	297	0.0				0.6		0.5				
	25 · 34 years old	657	0.1	0.0	0.0			0.2	0.0	1.2			
	35 - 44 years old	858	0.2	0.1	0.1	2.5			0.0				
	45 - 54 years old	869	0.2	0.2	0.2				0.0				
	55 - 64 years old	777	0.2	0.3	0.2			0.1	0.0				
	65 - 69 years old	518	0.2	0.2		0.2		0.0	0.0				
	70 years old and over	1462	0.3	0.3	0.1	0.2	0.4	0.0	0.0	11.9	0.		

- * % values in the table represent percentage of total
- * Since the weighted aggregation is implemented, total (n) of Japanese Panel Study of Employment Dynamics 2019 is not identical with the actual collection count

<Construction ratio of regular and non-regular by gender and stratified age group, for employees>

Japanese Panel Study of Employment Dynamics 2019

		(%)						
		n (persons)	Regular	Non-regular				
		_	employee	employee				
Male	15 - 24 years old	1348	46.7	53.3				
	25 - 34 years old	3332	83.4	16.6				
	35 - 44 years old	4128	88.7	11.3				
	45 - 54 years old	3846	89.6	10.4				
	55 - 64 years old	2784	66.6	33.4				
	65 years old and over	1420	21.1	78.9				
Female	15 - 24 years old	1293	36.3	63.7				
	25 - 34 years old	2619	57.7	42.3				
	35 - 44 years old	3282	47.3	52.7				
	45 - 54 years old	3402	40.5	59.5				
	55 - 64 years old	2268	34.4	65.6				
	65 years old and over	1326	10.3	89.7				

Statistics Bureau, Ministry of Internal Affairs and Communications "Labour Force Survey (Basic Tabulation)" December, 2018

		n (x 10,000	Regular	Non-regular
		persons)	employee	employee
Male	15 - 24 years old	283	49.5	50.5
	25 - 34 years old	572	86.5	13.5
	35 - 44 years old	693	91.2	8.8
	45 - 54 years old	711	91.1	8.9
	55 - 64 years old	505	71.7	28.3
	65 years old and over	270	28.5	71.5
Female	15 - 24 years old	267	43.4	56.6
	25 - 34 years old	471	61.4	38.6
	35 - 44 years old	582	46.9	53.1
	45 - 54 years old	641	42.9	57.1
	55 - 64 years old	423	31.4	68.6
	65 years old and over	216	17.6	82.4

<Unemployment rate by region>

Japanese Panel Study of Employment Dynamics 2019

Hokkaido	Tohoku	Minami kanto	Kitakanto /koshin	Hokuriku	Tokai	Kinki	Chugoku/ Shikoku	Kyusyu/ Okinawa	
2.5	2.3	2.7	1.9	1.8	2.1	2.9	2.4	2.6	(%)

Statistics Bureau, Ministry of Internal Affairs and Communications "Labour Force Survey (Basic Tabulation)" October ~ December 2018 (Seasonally adjusted values)

Hokkaido	Tohoku	Minami kanto	Kitakanto /koshin	Hokuriku	Tokai	Kinki	Chugoku/ Shikoku	Kyusyu/ Okinawa	
3.0	2.5	2.3	2.4	2.2	1.7	3.1	2.4	2.7	(%)