Survey Design of Japanese Panel Study of Employment Dynamics

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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 2016: 92 questions
2. Period of the Surve	ey
Survey period	Survey period is fixed as every January January $14 \sim$ January 25 , 2016
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 65 years old and over, the allocation was adjusted less than actual count of persons.
Effective collection count/effective collection rate	Survey 2016: 49,131 samples * Persons requested: 145,102 Effective collection rate: 33.9%
5. Aggregation Metho	${f d}$
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 persons for 10s of non-labour force, and 65 years old and over.

1. Outline of the Survey

In Japanese Panel Study of Employment Dynamics, following items were questioned in survey 2016 for the purpose of grasping status of employment, living dynamics, etc. during the previous one year prior to the survey (in case of survey 2016, one year period of 2015).

Attribute		Statue	of the Previous One Year
Q1	Gender	Q44	Life satisfaction
Q2	Age	Q45	Annual events and living
Q3	Birth month and year	Q46	Annual occupational events
Q4	Present residential place	Q47	Self-development activities
Q5	Marital status	Q48	Holiday acquisition condition
Q6	With or without a child/children	Q49	Rate of taking paid leaves
Q7	Number of children	Q50	Stress
Q8	Age of child	Q51	Income source of living expenses
Q9	Cohabiter	Q52	How to cover the living expenses
Q10	Principal household income earner	Q53	Job upskilling
Q11	Type of residence	Q54	On-the-Job-Training opportunity
Q12	Final educational background	Q55	Off-the-Job-Training opportunity
Q13	Present school year	Q56	With or without self-development
Q14	Dropout experience	Q57	Work place status
Q15-1	Labour force status of January 2015~April 2015	Q58	Nature of work
Q15-2	Labour force status of May 2015~August 2015	Q59	Job satisfaction
Q15-3	Labour force status of September 2015~November 2015	Q60	Stress of taking balance of work and family life
Q16	Labour force status of December 2015	Q61	Reasons of stress
Status as	in Last December	Status	of Initial Employment
Q17	Type of working	Q62	Type of working of initial employment
Q18	Type of employment	Q63	Industry of initial employment
Q19	Reasons of being engaged in work as in December	Q64	Number of employees of initial employment
Q20	Reasons of absence from work	Q65	Occupation of initial employment
Q21	Could be engaged in work upon availability?	Status	of Previous Employment
Q22	Desire to work	Q66	Type of working of previous employment
Q23	Degree of desire to work	Q67	Industry of initial employment
Q24	With or without job seeking	Q68	Number of employees of previous employment
Q25	Reasons of seeking no job	Q69	Work location of previous employment
Q26	Reasons of unemployment	Q70	Occupation of previous employment
Q27	The reason of no desire to work	Q71	Number of working days/hours in previous employment
Q28	Industry	Q72	Annual income of previous employment
Q29	Number of employees	Q73	Channels to find current place of work
Q30	Occupation	Q74	Order of timing between the last resignation and adoption of current employment
Q31	With or without employment contract term	Q75	Reasons of the resignation
Q32	$\label{lem:employment} Employment\ contract\ term\ ,\ Number\ of\ renewal\ times\ of\ employment\ contract$	Q76	With or without job seeking
Q33	Status of employment (unemployment) insurance coverage	Status a	around the Delivery of the Youngest Child
Q34	Working days and hours per week	Q77	Status of Working around the Youngest Child Delivery
Q35	Position title	Q78	Social system used at the birth of the Youngest Child Delivery
Q36	Overtime work status	Q79	Resignation experience around the youngest child delivery
Q37	Salary payment method	Q80	Reasons of resignation around the youngest child delivery
Q38	Hourly rate	Others	
Q39	Commuting methods	Q81	Residential place
Q40	Time spent in commuting	Q82	Academic achievement at the last junior high school year
Q41 Q42	Work flexibility Working hours per week of the second jobs	Q83	Month and year of school graduation, month and year of entry to and resignation from the initial employment, month and year of entry to the current employment
Q43	Number of resignation times in the past	Q84	Month and year of entry to and resignation from the current employment
		Q85	Annual income of the previous year (main job, second job, non-occupational)
		Q86	Type of working of the spouse
		Q87	Annual income of the spouse
		Q88	Savings per household, Amount of security holdings per household
		Q 89	Job-hunting experience
		Q 90	Desired future plan after graduation
		Q91	Decision of occupation after graduation
		Q92	Desire for changing or hunting job
		-	

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 2016 was actually implemented from January 14 to January 25, 2016.

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 65 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 65 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 2016, out of the requested 145,102 persons, number of effective samples was 49,131. (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 65 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 2014 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 2014 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 worker	Family worker	Executive of company or corporation	Regular employee	Non-regular employee	Unemployment	
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 2014 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 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 re	vore colla reill bo	0	·					
	vay, cells will be	Labour force						Non-labour force
arrange	d as follows;	Self employed worker	Family worker	Executive of company or corporation	Regular employee	Non-regular employee	Unemployment	
Ma	de 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 years old and over							
Fe	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 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 2014 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)
 - * 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,

	sore way,									
attendii	ng school was	Labour force							Non-labour force	
extracte	ed and arranged	Self employed worker	Family worker	Executive of company or corporation	Regular employee	Non-regular employee	Unemployment			
as in ioi	lowing cells;			corporation				Attending school		Attending 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 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 years old and over									

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 2014 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 2.816 cells (cells x 11 areas = 2.816) as below;

		Hokkaido															
		Labour force												_	Non-labour	force	
		Self employ	yed worker	Family wor		Executive of		Regular em	ployee	Non-regula	r employee	Unemployn	nent				
						or corporat	ion										
		Below	University	Below	University	Below	University	Below	University	Below	University	Below	University	Attending	Below	University	Attending
					or higher		or higher					university	or higher	school		or higher	school
		14	5	6	1	11	4	84	40	63	17	8	3	5	166	20	27
Male	15 - 19 years old	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	10
	20 - 24 years old	0	0	0	0	0	0	2	1	2	1	0	0	2	0	0	4
	25 - 34 years old	0	0	1	0	0	0	11	8	2	2	1	0	0	1	0	0
	35 - 44 years old	1	1	0	0	1	1	16	10	2	1	1	0	0	1	0	0
	45 - 54 years old	2	1	0	0	2	1	14	8	2	1	1	0	0	2	0	0
	55 - 64 years old	3	2	0	0	2	1	9	5	5	3	1	0	0	5	1	0
	65 - 69 years old	1	0	0	0	2	0	2	0	3	1	1	0	0	8	2	0
	70 years old and over	2	1	0	0	1	0	1	0	1	0	0	0	0	31	6	0
Female	15 - 19 years old	0	0	0	0	0	0	0	0	1	0	0	0	1	1	0	9
	20 - 24 years old	0	0	0	0	0	0	2	1	2	1	0	0	2	0	0	3
	25 - 34 years old	0	0	0	0	0	0	7	3	5	3	1	0	0	6	2	0
	35 - 44 years old	1	0	1	0	1	0	8	2	10	3	1	0	0	9	2	0
	45 - 54 years old	1	0	1	0	1	0	7	1	12	2	1	0	0	8	1	0
	55 - 64 years old	1	0	2	0	1	0	4	0	11	1	1	0	0	18	2	0
	65 - 69 years old	1	0	1	0	1	0	1	0	3	0	0	0	0	16	1	0
	70 years old and over	1	0	1	0	0	0	0	0	1	0	0	0	0	61	2	0

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

II-i. Reduce the actual count of persons 65 years old and over by half

- Reduce actual data of number of persons for each cell of $65 \sim 69$ years old and 70 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
- As for age groups $15 \sim 19$ years old, $65 \sim 69$ years old and 70 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 41,000 persons adapting to the construction ratio calculated in II-iii
- Now, allocation of 2,816 cells is completed (16 x 16 cells x 11 areas = 2,816). Actual survey was implemented aiming the number of persons to be collected for the allocation

	Hakkaida													Toboku													
	Labour force Self employe	d worker	Family worker	Executive of co	mmany or	egular employe	e D	Son regular e	mployee Unemploym	ent		Non-labour force		Labour force Self employee	worker Fr	unily work	ır I	Executive of compo	ov or Regula	r employee	Non-reg	lar employee	Unemploym	ent	1	Non-labour force	
	Below	University or	Below University or	corporation Below	University or E		versity or I	Below	Iniversity or Below	University or A	mending	Below University or	Attending	Below	University or Be	low	University or	corporation	rsity or Below	Univer	_	University	or Bolow	University or	Amending	Below Univ	exity or Attending
	university 61	higher 24	university higher 26 5	university 49	higher u	niversity high	ber u	iniversity 313	igher university 88 40	higher so	thool 28	university higher 283 51	school 50	university 130	higher un	iversity 62	higher 12	aniversity highs	r univen	ity higher 831	universit 376	higher 66 1	university 34 61	higher 25	school 46	university highs 415	r school 79
Main 15 · 19 years old 99 · 24 years old 99 · 24 years old 30 · 48 years old 31 · 48 years old 35 · 48 years old 35 · 69 years old 65 · 99 years old 65 · 99 years old 35 · 49 years old 35 · 49 years old 35 · 49 years old 35 · 69 years old 65 · 69 years old 65 · 69 years old 65 · 69 years old 67 · 99 years old 68 · 99 years old	0 0 0 7 10 17 3 5 0 0 0 4 4 5 5	0 0 4 6 9 1 1 0 0 1 1 1 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 7 10 10 10 4 2 0 0 0 0 4 5 5 5 1 1 1	0 0 0 4 6 5 1 1 0 0 0 1 1 1 1	2 13 57 86 72 49 4 2 1 11 35 42 36 19 1	0 4 42 51 43 25 1 1 0 3 18 10 6 2	4 9 12 10 10 28 7 4 6 10 28 55 63 57 7	0 1 3 3 5 5 6 5 5 0 0 0 0 0 0 0 0	0 1 2 2 2 2 2 0 0 0 1 1 2 1 1	11 11 11 11 11 11 11 11 11 11 11 11 11	0 0 0 0 1 1 0 0 0 1 0 0 0 0 1 0 0 0 0 0	5 19 2 0 0 0 0 5 18 1 0 0	0	0 0 2 6 10 18 3 5 0 0 0 1 1 2 0	0 0 3 3 3 3 0 1 2 0 0 3 4 9 19 6	0 0 2 2 2 2 0 0 0 0 0 2 1 1 2 0	0 0 3 10 10 17 7 3 0 0 0 4 5 9 3 3	0 0 2 6 6 9 2 1 0 0 0 1 1 1	5 26 100 145 128 97 6 3 3 3 24 66 84 82 57 3 2	0 8 72 86 77 49 2 1 0 8 33 21 13	5 11 18 16 13 42 11 6 7	0 1 4 5 13 6 10 7 8 7 21 7 3 2 2 1 0 1 4 3 23 3	0 2 4 4 4 4 0 0 0 1 1 2 2 2 1 1	4 19 1 0 0 0 0 4 18 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 2 6 6 9 13 45 21 16 0 3 39 50 53 132 16 10	0 S 0 35 2 2 2 1 0 3 3 0 13 0 5 0 5 0 5 0 11 12 1 13 0 10 0 15 0 0 0 0 0
•	Minami Kan	to												Kita Kanto, F	oshinetsu							-					
Male 15 - 19 years old 20 - 24 years old 25 - 34 years old 35 - 44 years old	Below university 449 0 3 21 06		Family worker Below University of higher 97 18 0 0 0 0 0 0 3 2 3 2 3 2	Executive of coorporation Below university 367 0 12 53	University or E higher 154 0 9 31	3377 17 88 493 714	nersity or I her u 1649 0 28 358 425	Son regular e Selow 1 silvensity 1 2174 37 81 109 79	Imployee Unemploym Iniversity or Bolow university 628 232 0 3 26 13 79 30 47 30	University or A higher es 97 0 4 22 18	mending shool 218 15 82	Non-labour force	Attending school 359 37 141 17	Lebour force Self employee Below university 146 0 0 6		unily works slow siversity 62 0 0 3 3	University or higher 11 0 0 2 2	aniversity highs 82 0 0 3 10	rsity or Below	Univer bigher 866 5 29 112 174	dity or Below universit 409 9 81 104	University higher 66 1: 7 15 21 20	university	University or higher 27 0 2 4 4	Amending school 53 5 22 2 0	Non-labour force Below University higher 441 0 2 9 9	rsity or Attending r school 92 0 10 0 37 3 4 1 0
45 · 54 years old 55 · 64 years old 65 · 62 years old 70 years old and over Female 15 · 19 years old	66 70 27 39	39 35 7 11	3 2 0 0 1 0 2 0	72 87 32 15	43 44 9 4	578 306 22 11	346 156 6 3	59 153 57 29 48	35 20 78 24 16 5 8 2	12 12 1 0	0 0 0 21	42 10 127 36 79 16 5 52 10	0 0 0 37	16 35 13 19	10 18 4 5	0 1 2	0 0 0	13 21 8 4	8 11 2 1	144 97 6 3		16 49 14 7	10 7 25 7 4 2 2 1 0 1	4 4 0 0	0 0 0	8 37 21 21	2 0 10 0 5 0 5 0
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 years old and over	3 14 38 41 33 11	1 7 9 6 4 1	0 0 3 2 13 3 18 3 28 3 9 0 14 1	0 3 13 27 33 12 8	0 2 3 4 4 1	81 324 323 254 132 14	26 163 81 40 15 1	87 202 399 426 330 54 24	28 10 102 24 100 29 68 23 37 14 3 2 1 1	3 12 7 4 2 0	84 2 6 6 0	10 10 1 2 211 06 357 94 50 274 51 6 445 49 6 52 0 7 37 0	118 7 0 0 0 0	3 8 9 14 4	0 2 2 1 2 0	0 3 4 9 19 7	0 2 1 1 2 0	0 0 4 5 9 3	0 0 1 1 1 0	24 63 80 72 47 4	32 20 12 5	17 52 05 13 04 12 5	5 3 26 7 26 8 18 5 12 5 1 0	1 4 2 1 1 0	20 0 0 0 0 0	3 43 71 57 128 16	0 35 13 1 19 0 11 0 14 0 0 0
	Hokuriku Lubour force Self employe Below	d worker University or	Family worker Below University or	Executive of co corporation Below	University or E	egular employe	versity or I	Son-regular e	Iniversity or Below	University or A	mending	Non-labour force Below University or	Attending	Tokai Labour force Self employee Below	University or Be	unily work	University or	Executive of compa responsition Below University	rsity or Below	r employee Univer	sity or Below	In employee		University or	Attending		ersity or Attending
Mala 15 - 12 years old 20 - 23 years old 23 - 34 years old 25 - 34 years old 35 - 45 years old 65 - 65 years old 66 - 69 years old 67 - 12 years old 68 - 12 years old 69 - 12 years old 70 years old old 70 years old old	00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	higher 28 0 0 0 2 4 4 6 6 2 2 2 2 2 1 1 1 1 1	Deploy D	university	19 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	mivensity high 528 528 528 50 56 56 4 2 2 14 42 59 53 3 3 3 2 2	235 0 6 44 57 45 28 1 0 4 21 15 9 4 0 0	10 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277 277		higher 6 2 2 2 2 2 0 0 0 1 1 2 2 1 1 1 1 0 0 0 0	28 2 13 3 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6		school 50 50 50 11 10 00 00 00 55 188 00 00 00 00 00 00 00 00 00 00 00 00 0	6 23 26 38 14 21	higher un 72 0 0 4 14 16 19 4 6 0 2 3 2 2 0 0 0	76 0 0 0 3 3 3 0 0 1 1 2 2 0 0 3 3 8 14 24 7 7 11	higher 14 0 0 2 2 0 0 0 2 2 2 3 0 1	mirvorsity highs 122 0 0 6 16 223 228 10 0 0 4 9 14 4 3		ity higher 11398 12 62 202 286 230 1396 8 4 4 5 108 1118 109 66 7 5 5	0 20 147 170 138 69 2 1 0 14 53 29 17	26 20 70 24 13 16 29 80 81	university 45 75 0 1 8 5 22 9 16 10 122 7 7 2 35 7 2 3 1 1 0 1 9 3 60 9 17 5 8 20 9 17 5 1 0 0	higher 32 0 2 2 7 6 4 4 4 0 0 0 1 1 4 2 2 1 1 0 0 0 0	school 96 88 41 3 0 0 0 0 88 835 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	### ##################################	r school 145 130 145 0 16 0 54 3 4 2 1 4 4 0 15 0 5 0 0 5 9 0 16 28 3 31 17 0 20 0 0 0 0
Male 15 - 19 years old 20 - 28 years old 21 - 39 years old 22 - 39 years old 43 - 56 years old 45 - 56 years old 65 - 69 years old 65 - 69 years old 25 - 29 years old 25 - 29 years old 25 - 39 years old 25 - 39 years old 26 - 56 years old 37 - 59 years old 38 - 64 years old 65 - 69 years old	Kinki Labour forces Self employe Self employed Sel	University or higher 108 108 108 108 108 108 108 108 108 108	Family worker Balan university Market Continue	Executive of of or operations and operations and operations are seen as a se		segular employees Urais show Urais was been Urais was been 18294 8 44 233 352 286 164 15 5 5 46 153 164 171 7 7 5 5	one Systems of English Systems o	Son regular e 3ekw 1 1227 20 44 48 39 33 34 94 15 27 50 115 221 1254 189 228 12	replayers Unemplayment Unemplayment Indicate Indi		mending 115 16 15 16 15 16 16 1	Non-labour force Balow Userwestly or someworth balphor 211 0 0 0 0 0 0 0 0 1003 211 0 1 0 0 0 1 0 0 1 2 1 0 0 1 2 1 0 0 1 2 1 0 0 1 2 1 0 0 1 2 1 0 0 1 2 1 0 0 1 2 1 0 0 1 2 1 0 0 1 2 1 0 0 2 2 2 0 2 2 0 0 2 1 0 0 2 1 0 0	Attending school 217 221 87 9 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Labour force Self employee Below university 97 0 0 10 10 21 8 12 0		smily works show sivensity 311 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	University or higher 5 0 0 0 0 0 0 0 0 0 0 1 1 1 0 0 0 0 0 0	Executive of company to company to the labor of company to the labor of the labor o	resity or Below resity or Below resity or universe series of the series	r employee University higher 605 4 23 85 125 100 7 4 2 19 52 19 52 67 63 42 3 2	sity or Below universit 305 0 8 61 74 61 35 1 1 0 6 26 17 17	higher 193 1 5 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	or Below university	University or higher 20 0 1 4 2 2 2 4 4 0 0 0 1 1 2 2 2 1 1 1 0 0 0 0 0 0 0 0 0	Attending school 39 3 16 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Non-labour force Bolow University 225 0 0 1 6 6 9 8 333 16 0 0 2 2 355 46 40 90 10 10	minity or Maturaling r

		Shikoku																Куцкуц															
		Labour force	0												Non-labour	force		Labour force	,												Non-labour f	orce	
		Self employ	ed worker	Family work	per	Executive of corporation	company or	Regular emp	ployee	Non-regular	employee	Unemploym	ent	1				Self employs	ed worker	Family work		Executive of a corporation	ompany or	Regular emp	oloyee	Non-regular	employee	Unemploym	ent	Ī			
		Below university	University or higher	Below university	University or higher	r Below university	University or higher	Below university	University or higher	Below university	University or higher	Below university	University or higher	Attending school		University or higher	Attending	Below university	University or higher	Below university	University or higher	Below university	University or higher	Below university	University or higher		University or higher	Below university	University or higher			University or higher	Attending
		67	26	26	5	33	13	332	149	186	52	28	13	20	178	31	39	208	84	81	16	92	36	1093	499	717	204	97	38	71	604	114	125
Male	15 - 19 years old	0	0	0	- 6	0	0	2	0	2	0	1	0	2	0	0		0	0	0	0	0	0	6	0	9	0	1	0	6	0	0	10
	20 · 24 years old	0	0	0		0	0	10	3	4	1	3	1	8	1	0	15	0	0	0	0	0	0	34	11	20	- 6	. 5	2	26	3	0	51
	25 · 34 years old	3	2	0		0	0	39	29	6	4	3	2	1	3	1	- 1	9	7	3	2	3	2	139	101	30	22	12	9	2	9	3	4
	35 · 44 years old	2	4	0		3	2	50	35	7	4	3	2	0	1 1	1	0	23	14	3	2	13	8	191	114	23	14	10	6	0	13	2	1
	45 - 54 years old 55 - 64 years old	100	4	0		1 7	4	46	28		4	3	2	0	1 4	1	0	30	18	3	2	13	8	161	96	16	10	7	4	0	21		0
	65 - 69 years old	11		0		1 1	1	30	18	1			2	0	20			15	27			21	- 11	120	9	36	20	10			90		0
	70 years old and over			0		1 1		1		,	1		0		5	0	0	92		2	0	3	1	3	1	2		1	0	0	20	5	0
Femal	le 15 · 19 years old	0	0	0		0	0	1	0	3	0	0	0	2	0	0		0	0	0	0	0	0	4	0	14		1	0	7	0	0	10
	20 · 24 years old	0	0	0	6	0	0	8	3	6	2	0	0	7	1	0	13	0	0	0	0	0	0	33	10	25	8	5	2	29	4	0	47
	25 - 34 years old	0	0	0		0	0	28	14	17	9	3	2	0	16	5	0	3	2	3	2	0	0	91	46	80	40	7	4	1	62	20	2
	35 - 44 years old	4	1	4		0	0	38	9	38	9	4	1	0	25	7	0	8	2	8	2	4	1	113	28	130	32	13	3	0	83	22	0
	45 - 54 years old	5	1	5		. 5	1	36	6	36	6	5	1	0	22	4	0	14	2	14	2	9	1	104	17	136	22	14	2	0	80	15	0
	55 · 64 years old		1	9	1	5	1	24	3	33	4	0	0	0	57	6	0	19	2	24	3	14	2	75	9	132	15	9	1	0	184	20	0
	65 · 69 years old 70 years old and over	2	0	1 3		1 1	0	1	0	5	0	0	1 0	0	1 5	0	0	5	0	8		3	0	4	0	17	1 1	0	0	0	21	0	0
	70 years old and over	- 3	- 0			1	- 0	- 1	0	2	- 0	- 0	- 0	- 0		- 0	0	8	- 0	12	- 1	- 2	- 0	3	- 0	- 8		- 0	- 0	- 0	16	- 0	- 0

		Labour force													Non-labour i	orce	
		Self employs	ed worker	Family work	ter	Executive of	company or	Regular emp	loyee	Non-regular	employee	Unemploym	ent	Ī			
						corporation								1			-
		Below	University or		University or		University or	Below	University or		University or		University or		Below	University or	
			higher	university	higher	university	higher		higher		higher		higher	school			school
		20	9	0	0	3	2	109	51	86	28	6	4	7	68	14	14
Male	15 · 19 years old	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0
	20 · 24 years old	0	0	0	0	0	0	3	1	2	1	0	0	2	0	0	7
	25 · 34 years old	0	0	0	0	0	0	15	11	6	4	3	2	0	3	1	1
	35 - 44 years old	3	2	0	0	0	0	20	12	7	4	3	2	0	4	1	0
	45 · 54 years old	3	2	0	0	0	0	16	10	3	2	0	0	0	4	1	0
	55 - 64 years old	7	- 4	0	0	3	2	10	5	7	4	0	0	0	8	2	
	65 · 69 years old	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	70 years old and over	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Femi	le 15 · 19 years old	0	0	0	0	0	0	0	0	2	0	0	0	1	0	0	0
	20 · 24 years old	0	0	0	0	0	0	3	1	4	1	0	0	3	1	0	6
	25 - 34 years old	0	0	0	0	0	0	10	5	10	5	0	0	0	8	2	0
	35 · 44 years old	0	0	0	0	0	0	13	3	13	3	0	0	0	12	3	0
	45 - 54 years old	0	0	0	0	0	0	14	2	14	2	0	0	0	9	2	0
	55 - 64 years old	5	1	0	0	0	0	5	1	14	2	0	0	0	19	2	0
	65 · 69 years old	0	0	0	0	0	0	0	0	2	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).

Alloca																	
	101011	All over the	country														
		Labour force													Non-labour f		
		Self employe		Family work	er	Executive of	company or	Regular emp	loyee	Non-regular	employee	Unemployme	ent	Ī	Non labour i	отсе	
					les	corporation	les		les		les .			1			í
		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
		1706	666	575	104	1097	450		5360	7296		834	345	722	6037	1160	123
Male	15 · 19 years old	0	0	0	0	0		64	0	104	0	13	0	62	0	0	119
	20 - 24 years old	6	2	0	0	0	0	350	112	228	74	55	19	284	25	2	49
	25 - 34 years old	63	45	21	14	33	23	1535	1115	304	221	99	71	22	118	39	4
	35 · 44 years old	205	123	21	14	152	91	2247	1338	244	147	95	58	0	139	22	
	45 - 54 years old	237	143	12	8	198	119	1839	1101	191	115	73	44	0	154	37	
	55 · 64 years old	365	187	0	0	260	133	1145	581	568	288	88	48	0	507	143	l
	65 - 69 years old	124	34	6	0	95	27	75	21	178	50	20	2	0	266	51	
	70 years old and over	180	49	12			13	36	11	93	26	9	0	0	192	35	
Female		0	0	0				35	0	144	0	11	0	67	5	0	11
	20 · 24 years old	3	1	0				306	98	260	83	41	13	282	38	2	43
	25 - 34 years old	29	17	18		3	2	969	488	695	350	74	41	5	672	210	2
	35 · 44 years old	100	24	66		45		1101	274	1371	342	103	25	0	1035	274	
	45 · 54 years old	129	19	98		89	14	969	154	1436	229	90	15	0	845	157	ı
	55 - 64 years old	146	19	178		117	16	571	65	1223	138	57	9	0	1708	188	l
	65 - 69 years old	47	1	56		35	1	47	1	178	9	4	0	0	187	0	l
	70 years old and over	72	2	87	5	25	0	35	1	79	3	2	0	0	146	0	
Collec	ction count (final ef																
		All over the	country														
		Labour force		ı										-	Non-labour f	orce	
		Self employe	ed worker	Family work	er	Executive of corporation	company or	Regular emp	loyee	Non-regular	employee	Unemployme	ent				
		Below	University or	Below	University or		University or	Below	University or	Below	University or	Below	University or	Attending	Below	University or	Attonding
		university	higher	university	higher	university	higher	university	higher	university	higher	university	higher	school	university	higher	school
		1985	1267	420	141	828	476	11853	7339	7866	3007	806	341	2433	7120	1919	1330
Male	15 · 19 years old	1	0	1	1	2	0	23	0	15	2	4	0	84	25	1	12-
	20 - 24 years old	18	9	11	1	25	5	290	235	197	79	35	14	491	79	32	40
	25 - 34 years old	85	45	28	14	36	30	1579	1501	327	262	72	67	135	206	83	2
	35 - 44 years old	231	129	37	21	101	35	2313	1594	315	161	91	37	181	249	40	1
	45 - 54 years old	287	177	17	4	125	47	1985	1193	257	137	99	48	154	211	51	1
	55 - 64 years old	378	320	10	12	149	120	1273	805	650	501	57	37	150	611	231	3
	65 - 69 years old	106	111	3	2	68	48	100	49	183	124	6	3	54	309	182	2
	70 years old and over	151	163	11	4	43	100	32	39	209	178	2	3	60	251	192	1
Female	15 - 19 years old	8	0	1	0	10	0	36	0	63	0	6	0	109	38	1	12
	20 - 24 years old	60	6	19		44	9	491	475	585	151	65	31	501	399	61	34
	25 - 34 years old	91	52	32	16	26	9	1011	723	776	346	77	46	130	680	217	4
	35 - 44 years old	149	72	53		35	11	1101	377	1370	423	143	32	151	1062	273	5
	45 - 54 years old	161	60	73		71	17	994	200	1462	301	101	13	102	906	149	3
	55 - 64 years old	185	94	86		68	36	583	134	1208	294	46	10	102	1750	344	4
	65 - 69 years old	35	17	27	7	21	2	31	11	173	34	1	0	16	183	31	1
	70 years old and over	39	12	11	1	4	7	11	3	76	14	1	0	13	161	31	
Exces	s/deficiency count																
		All over the	country														
		Labour force												-	Non-labour f	orce	
		Self employe	ed worker	Family work	er	Executive of	company or	Regular emp	loyee	Non-regular	employee	Unemployme	ent				
		Below	University or	Below	University or	corporation Bolow	University or	Below	University or	Rolow	University or	Rolow	University or	Attom dim o	Below	University or	Atton din o
		university	higher	university	higher	university	higher	university	higher	university	higher	university	higher	school	university	higher	school
		279	601	(155)	37	(269)	26	529	1979	570		(28)	(4)	1711	1083	759	9
Male	15 - 19 years old	1	0	1	1	2	0	(41)	0	(89)	2	(9)	0	22	25	1	
	20 - 24 years old	12	7	11	1	25	5	(60)	123	(31)	5	(20)	(5)	207	54	30	(9
	25 - 34 years old	22	0	7	0	3	7	44	386	23	41	(27)	(4)	113	88	44	(2
	35 - 44 years old	26	6	16	7	(51)	(56)	66	256	71	14	(4)	(21)	181	110	18	
	45 - 54 years old	50	34	5		(73)	(72)	146	92	66	22	26	4	154	57	14	1
	55 - 64 years old	13	133	10		(111)	(13)	128	224	82	213	(31)	(11)	150	104	88	:
	65 - 69 years old	(18)	77	(3)			21	25	28	5	74	(14)	1	54	43	131	5
	70 years old and over	(29)	114	(1)	4	(2)	87	(4)	28	116	152	(7)	3	60	59	157	
Female	15 - 19 years old	8	0	1	0	10	0	1	0	(81)	0	(5)	0	42	33	1	1
	20 - 24 years old	57	5	19		44	9	185	377	325	68	24	18	219	361	59	(8
	25 - 34 years old	62	35	14		23	7	42	235	81	(4)	3	5	125	8	7	2
	35 - 44 years old	49	48	(13)	(3)	(10)	0	0	103	(1)	81	40	7	151	27	(1)	
	45 - 54 years old	32	41	(25)	3	(18)	3	25	46	26	72	11	(2)	102	61	(8)	3

55 - 64 years old

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

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

I-ii.

• Calculate number of persons for each cell in case of collection of 49,131 can be made up according to the population, multiplying 49,131 answers 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 (2,816 cells)

Pattern B: 96 cells only by gender, stratified age group, status of employment, education background

Pattern A * Hokkaido only as an example

Collection count (fir	nal sample	:a)															С	ollection count (fina		•)														
	Hokkaido																_		Hokkaido															
	Labour for	-												Non-labor	on Greene		-		Labour for	-									_			Non-labour	farmer.	
		yed worker	in 1		Executive of		Regular er		Non-regula	-		_	7	.4011 12000	ii ioice						Family wor		Committee of	company or	Regular em		Fe 1		Jaemploya	-	1	Jeon anoun	DUCCO	
	Seur empo	iyed worker	Family wor	PAUL	corporation	company or	neguer er	npioyee	Non-reguit	ar emptoyee	unempioy	ment							Sett empto;	yea worker	rammy woo	NO.L	corporation	company or	neguar em	pioyee	won.tefara	r empioyee	mempasyn	sems.	l	1		
													4			_													_		1	-		
	Bolow	University		University		University				University		University		Bolow	University	Attending				University		University			Bolow	University		University	Solow	University	Attending			Attending
	university	or higher	university	or higher	university	or higher	university	or higher	university	or higher	university	or higher	school	university	or higher	echool			university	or higher	university	or higher	university	or higher	university	or higher	university	or higher	iniversity	or higher	echool	university	or higher	school
	- 8	44	11	3	38	11	468	244	379	92	42	12	87	33	4 6	,	4		63	22	27	5	49	18	374	176	281	78	35	13	24	740	90	119
Male 15 - 19 years old											-		,		9		K M	sle 15 · 19 years old	0					0	9			0	- 1	0	9	- 2	0	49
20 · 24 years old						1	1 .	1 3				1 :	1 .:			ίI.	-																	10
		, ,							10				14		-	,	1	20 · 24 years old							11	- 4	,	- 2	- 2		2/			16
25 · 34 years old		2 2	2	0	1		58	40	19	8		2	3		8)	1	25 · 34 years old	0	0	3	2	0	0	49	35	10	7	3	2	1	5	2	2
35 · 44 years old		3 4	2	1	6	:	85	45	12	10		1	4		6	3	0	35 - 44 years old	6	3	0	0	6	3	73	43	8		3	2	0	4	1	0
45 · 54 years old									1.0									45 · 54 years old							- 01	0.7								
	1.							- 51	16								-				0				61	34				2			2	
55 - 64 years old	11	3 12	0	0	5		5 58	39	32	14	•	1	2	2	9 1	1	1	55 - 64 years old	15	7	0	0	9	4	-41	21	24	12	3	1	0	21	6	0
65 - 69 years old		1 4	0	0	1		2 6		7	4			2	1	9	3	9	61 69 years old	6	2	0	0	7	2	7	2	11	3	3	1	0	37	7	0
70 years old and ov	er l						3 5		4						9	>	9	70 ex old and over			0		3		3	1	6	9	1	0		138	28	0
	_			-														ars old			-	-					-	-			-	-		
Female 15 · 19 years old		1 0	1		1	1	, ,		2		,		3	•	1	,	4	urs old	0		0	0			1	0		0	0	0	2	1 4		42
20 · 24 years old		1 0	0	0	0	1	22	15	33	1		0	24	1 1	8	3	2	old	0	0	0	0	0	0	9	3	9	3	2	1	9	1	0	15
25 - 34 years old		3 2	2	. 0	0		36	26	32	14		1	4	1 3	6	3	1	old	0	0	0	0	0		30	15	24	12	3	1	0	27	8	1
35 - 44 years old							45		- 60	10						,		4-14		,					20		40	19				90	10	
		1 1			1			1 "		4.0		1	1 :	1				na olu	1 1	1 :	1		1 1	1 :	30	-	40	**	1			3.5	10	
45 - 54 years old		, 0	2	0	4	1	35	1 .	70	8		1 1	1 3	4	8	1	3	ears old	4	1 1	4	1	4	1 1	31		54	9	- 4	1	0	34	6	0
55 - 64 years old		5 4	1	1	3		1 20		64	8	2	1		8	8	7	D C	55 4 years old	4	0	8	1	4	0	16	2	48		4	0	0	80	9	0
65 - 69 years old		al o		. I	1	1 -	ı l	1 1		1 1		- I	d o	d .	el .	a I	0	65 - 69 years old	3	1 0	3	0	2	1 0	9		12		0	0		69	2	0
70 years old and ov													1 7			31		70 years old and over														923		
AND SAMES OR STUDY	**				- 0	-	4 - 5											TO year 6 000 hind Over		1 0														

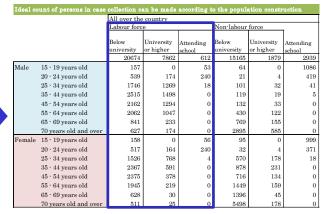
Calculate the coefficient to make the left table figures as the same ones in right table = weighted value Pattern A

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	tion count (final ef	fective sa	mples)				
		All over the	country				
		Labour forc	e		Non-labour	force	
		Below	University	Attending	Below	University	Attending
		university 23758	or higher 12571	school 2433	university 7120	or higher 1919	school 1330
Male	15 - 19 years old	46	3	84	25	1313	124
	20 · 24 years old	576	343	491	79	32	404
	25 · 34 years old	2127	1919	135	206	83	20
	35 · 44 years old	3088	1977	181	249	40	13
	45 · 54 years old	2770	1606	154	211	51	18
	55 - 64 years old	2517	1795	150	611	231	34
	65 - 69 years old	466	337	54	309	182	29
	70 years old and over	448	487	60	251	192	19
Female	15 - 19 years old	124	0	109	38	1	124
	20 - 24 years old	1264	675	501	399	61	348
	25 - 34 years old	2013	1192	130	680	217	42
	35 - 44 years old	2851	928	151	1062	273	55
	45 - 54 years old	2862	609	102	906	149	34
	55 - 64 years old	2176	592	102	1750	344	48
	65 - 69 years old	288	71	16	183	31	11
	70 years old and over	142	37	13	161	31	7



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

As for the labour force (excluding unemployment) in blue frames, the weighted value calculated in this way is to be 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 2016

The population produced in Reference (1)-I

		All over the country (%)									
			Labour force						Non-labour force		
			Self	Family		Regular	Non-	Unemployment			
			employed	worker	company or	employee	regular				
			worker		corporation		employee				
		n	previously	previously	previously	previously	previously		Attending		Attending
					graduated	graduated	graduated		school		school
		49130	5.5	1.0	2.2	29.6	18.0	1.9	1.2	34.6	6.0
Male	15 · 19 years old	1345	0.0	0.0	0.0	0.2	0.1	0.0	0.1	0.1	2.2
	20 · 24 years old	1407	0.0	0.0	0.1	0.8	0.5	0.1	0.5	0.0	0.9
	25 · 34 years old	3235	0.2	0.1	0.1	4.7	0.9	0.3	0.0	0.3	0.1
	35 - 44 years old	4175	0.6	0.1	0.2	6.3	0.8	0.3	0.0	0.3	0.0
	45 - 54 years old	3600	0.7	0.0	0.3	5.1	0.6	0.2	0.0	0.3	0.0
	55 · 64 years old	3700	1.0	0.0	0.4	3.1	1.7	0.2	0.0	1.1	0.0
	65 · 69 years old	1999	0.5	0.0	0.3	0.4	0.8	0.0	0.0	1.9	0.0
	70 years old and over	4282	0.5	0.0	0.2	0.1	0.7	0.0	0.0	7.1	0.0
Female	15 · 19 years old	1303	0.0	0.0	0.0	0.1	0.2	0.0	0.1	0.2	2.0
	20 · 24 years old	1332	0.1	0.0	0.0	0.6	0.6	0.1	0.5	0.1	0.8
	25 - 34 years old	3072	0.2	0.1	0.1	2.5	1.7	0.2	0.0	1.5	0.0
	35 · 44 years old	4036	0.3	0.1	0.1	2.3	2.9	0.2	0.0	2.3	0.0
	45 · 54 years old	3594	0.3	0.1	0.1	1.9	2.8	0.2	0.0	1.7	0.0
	55 - 64 years old	3779	0.4	0.2	0.2	1.2	2.4	0.1	0.0	3.3	0.0
	65 · 69 years old	2080	0.2	0.1	0.1	0.1	0.8	0.0	0.0	2.9	0.0
	70 years old and over	6191	0.3	0.1	0.0	0.1	0.6	0.0	0.0	11.5	0.0

		A11	he country								(%)
		All over t	Labour force							Non-labour	force
			Self	Family	Executive of	Regular	Non-	Unemployment	I		
		n	employed worker	worker	company or corporation	employee	regular employee				
			previously graduated	previously graduated	previously graduated	previously graduated	previously graduated		Attending school		Attending school
		11032	5.0	1.5	3.1	29.2	17.2	2.1	1.2	34.7	6.0
Male	15 · 19 years old	305	0.0	0.0	0.0	0.1	0.2	0.0	0.1	0.1	2.5
	20 - 24 years old	314	0.0	0.0	0.0	0.8	0.5	0.1	0.5	0.1	0.9
	25 · 34 years old	720	0.2	0.1	0.1	4.6	0.9	0.3	0.0	0.3	0.
	35 · 44 years old	933	0.6	0.1	0.4	6.2	0.7	0.3	0.0	0.3	0.0
	45 · 54 years old	813	0.7	0.0	0.5	5.1	0.5	0.2	0.0	0.3	0.0
	55 - 64 years old	822	1.0	0.0	0.7	3.0	1.5	0.2	0.0	1.1	0.0
ı	65 · 69 years old	449	0.6	0.0	0.4	0.3	0.8	0.1	0.0	1.9	0.0
	70 years old and over	961	0.8	0.0	0.2	0.2	0.4	0.0	0.0	7.1	0.0
Female	15 - 19 years old	294	0.0	0.0	0.0	0.1	0.2	0.0	0.1	0.2	2.0
	20 - 24 years old	298	0.0	0.0	0.0	0.7 2.5	0.6 1.8	0.1	0.5	0.1 1.5	0.0
	25 · 34 years old	688	0.1		0.0						
	35 - 44 years old	913	0.2	0.1	0.1	2.4 1.9	3.0	0.2	0.0	2.3	0.0
	45 · 54 years old	809	0.3	0.2	0.2	1.9	2.9	0.2	0.0	3.3	0.0
	55 - 64 years old	847 471	0.3	0.3	0.2	0.2	0.6	0.0	0.0	2.9	0.0
	65 - 69 years old	1995	0.2	0.2	0.1	0.2	0.6			11.6	

^{* %} values in the table represent percentage of total

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

(%)

Japanese Panel Study of Employment Dynamics 2016

Statistics Bureau, Ministry of Internal Affairs and Communications "Labour Force Survey (Basic Tabulation)" December, 2015

(%)

		n (persons)	Regular employee	Non- regular employee
Male	15 - 24 years old	991	48.9	51.1
	25 - 34 years old	2746	83.8	16.2
	35 - 44 years old	3470	89.1	10.9
	45 - 54 years old	2821	89.0	11.0
	55 - 64 years old	2337	64.7	35.3
	65 years old and over	1045	26.1	73.9
Female	15 - 24 years old	978	41.8	58.2
	25 - 34 years old	2047	60.3	39.7
	35 - 44 years old	2560	45.1	54.9
	45 - 54 years old	2348	40.4	59.6
	55 - 64 years old	1760	32.4	67.6
	65 years old and over	788	14.4	85.6

		n (x 10,000 persons)	Regular employee	Non- regular employee
Male	15 - 24 years old	245	52.7	47.3
	25 - 34 years old	594	82.7	17.3
	35 - 44 years old	747	90.2	9.8
	45 - 54 years old	648	91.0	9.0
	55 - 64 years old	486	68.7	31.3
	65 years old and over	280	27.1	72.9
Female	15 - 24 years old	246	41.9	58.1
	25 - 34 years old	472	58.3	41.7
	35 - 44 years old	587	46.0	54.0
	45 - 54 years old	564	40.2	59.8
	55 - 64 years old	390	33.3	66.7
	65 years old and over	218	23.4	76.6

^{*} Since the weighted aggregation is implemented, total (n) of Japanese Panel Study of Employment Dynamics 2016 is not identical with the actual collection count