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 2018: 111 questions
2. Period of the Surve	еу
Survey period	Survey period is fixed as every January January 12 ~ January 31, 2018
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 2018: 50,677 samples * From Survey 2017 onwards, each survey consists of 3 sample types, continued (previous year answerers), additional (new answerers of the year) and revived (answerers of Survey 2016 who didn't answer Survey 2017). • Continued samples (continuous answerers since last year): 37,503 persons Persons requested: 47,081 Effective collection rate: 79.7% • Additional samples (new answerers, this year): 10,369 persons Persons requested: 16,574 Effective collection rate: 62.6% • Revived samples (no answer in survey 2017, but answered in 2016): 2,805 persons Persons requested: 11,418 Effective collection rate: 24.6% * 21 samples out of the above are excluded from aggregating subjects due to overseas emigration
5. Aggregation Method	d
Weighted	Weighted sampling aggregation is necessary to implement aggregation according
as maling a gamage tis-	I to the manufation construction since the collection was an dust of with less

sampling aggregation

old and over.

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

1. Outline of the Survey

In Japanese Panel Study of Employment Dynamics, following items were questioned in survey 2018 for the purpose of grasping status of employment, living dynamics, etc. during the previous one year prior to the survey (in case of survey 2018, one year period of 2017).

Attribu	to .	Status of	the Previous One Year
Attribu Q1	Gender	Q52	Level of happiness
-		•	Life satisfaction
Q2	Age	Q53	
Q 3	Birth month and year	Q54	Annual events and living
Q 4	Present residential place	Q55	Annual occupational events (1)
) 5	Final educational background	Q56	Annual occupational events (2)
6	Graduated faculty	Q57	Self-development activities
27	Present school year	Q58	Holiday acquisition condition
28	Dropout experience	Q59	Rate of taking paid leaves
9	Marital status	Q60	Stress
210	With or without a child/children	Q61	Income source of living expenses
11	Number of children	Q62	How to cover the living expenses
12	Age of the eldest child	Q63	Job upskilling
12	Age of the youngest child	Q64	On-the-Job-Training opportunity
13	Type of residence	Q65	Off-the-Job-Training opportunity
14	Cohabiter	Q66	With or without self-development
15	Principal household income earner	Q67	Work place status
16-1	Labour force status of January 2017~April 2017	Q68	Nature of work
16-2	Labour force status of May 2017~August 2017	Q69	Job satisfaction
16-3	Labour force status of September 2017~November 2017	Q70	Stress of taking balance of work and family life
17	Labour force status of December 2017	Q71	Reasons of stress
	as in Last December		Second Job
18	Type of working	Q72	With or without taking second job
19	Type of employment	Q72 Q73	Desire to take second job
19 20	Incorporated or not	Q73 Q74	Reasons of desire to take second job
	-	-	•
21	With or without store	Q75	Reasons of taking second job
22	With or without business contract	Q76-1	Type of working of the highest income second job
23	Using or not using crowdsourcing	Q76-2	Content of work of the highest income second job
24	Reasons of being engaged in work as in December	Q76-3	Specific work content of second job
25	Reasons of absence from work	Q76-4	Business type of second job
26	Could be engaged in work upon availability?	Q76-5	With or without store of second job
27	Desire to work	Q76-6	With or without business contract of second job
28	Degree of desire to work	Q76-7	Using or not using crowdsourcing in second job
29	With or without job seeking	Q76-8	Number of the second jobs
30	Reasons of seeking no job	Q77	Working hours per week of the second jobs
31	Reasons of unemployment		Initial Employment
	The reason of no desire to work		Type of working of initial employment
32		Q78	
33	Industry	Q79	Industry of initial employment
34	Number of employees	Q80	Number of employees of initial employment
35	Occupation	Q81	Occupation of initial employment
36	Position title	Status of l	Previous Employment
37	With or without employment contract term	Q82	Type of working of previous employment
38	Employment contract term	Q83	Industry of initial employment
39	Status of employment (unemployment) insurance coverage	Q84	Number of employees of previous employment
40	Working days and hours per week	Q85	Occupation of previous employment
41	Salary payment method	Q86	Number of working days/hours in previous employment
42	Hourly rate	Q87	Annual income of previous employment
43	Work flexibility	Q88	Channels to find current place of work
44	Working place	Q89	Order of timing between the last resignation and adoption of current employments
		-	
45	Time allocation of work	Q90	Reasons of the resignation
46	Time for telework		ound the Delivery of the Youngest Child
47	Status of telework system introduction and adoption	Q91 • Q93	
48	Subject person to telework system		Social system used at the birth of your youngest child / child of currently one year of
49	Commuting methods	Others	
50-1	Time for living (Commutation)	Q95	Residential place
50-2	Time for living (Housework, childcare)	Q96	Academic achievement at the last junior high school year
51	Number of resignation times in the past	Q97	Month and year of school graduation, month and year of entry to and resignation from the initial employment, month and year of entry to and resignation from the previous employment, month and year of entry to the
		000	Annual income of the previous year (main ich second ich personnet)
		Q98	Annual income of the previous year (main job, second job, non-occupati
		Q99	With whom can you consult?
		Q100	Type of working of the spouse
		Q101	Annual income of the spouse
		Q102	With or without doing nursing care
		Q103	The number of people to whom you provide nursing care
		Q104	The family member to whom you provide nursing care
		Q104	Notification to the company or seniors about current nursing of a person requiring long-term ca
		Q106	
		6100	Desire for changing or hunting job Do you have desire to leave from work?
		0105	
		Q107	-
		Q108	Approach taken related to future career plan in the past one year
		Q108 Q109	Approach taken related to future career plan in the past one year Desired future plan after graduation
		Q108	Approach taken related to future career plan in the past one year

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 2018 was actually implemented from January 12 to January 31, 2018.

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 2018, at first we asked all the people who could be requested out of the answerers of survey 2016 or 2017 (continued samples and revived samples), to answer the survey. 58,499 persons could be requested for the survey as they remained in the monitor. 40,308 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 16,574 persons, answers were obtained from 10,369 persons. In survey 2018, total number of effective samples was 50,677. (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 2016 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 2016 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	Regular employee	Non-regular employee	Unemployment	
				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)

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<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 2016 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 $15 \sim 19$ years old out of $15 \sim 24$ years old, then multiply the data of $15 \sim 24$ 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 w	ay, cells will be	Labour force						Non-labour force
	arranged	l as follows;	Self employed worker	Family worker	Executive of company or corporation	Regular employee	Non-regular employee	Unemployment	Non labour force
	Male	e 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							
	Fem	ale 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 2016 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,

attending school was Labour force Non-labour force Self employed amily worker Regular employe Non-regula Jnemployment extracted and arranged vorker ompany or mplovee orporation as in following cells; Attending Attending 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 o 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 ov

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 2016 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	e												Non-labour	force	
			Self employ	ed worker	Family wor	ker	Executive or corporat		Regular em	ployee	Non-regula	r employee	Unemployr	nent				
			Below	University	Below	University	Below	University	Below	University	Below	University	Below	University	Attending	Below	University	Attending
				or higher	university	or higher	university			or higher			university	or higher	school		or higher	school
			14	6	3	1	9	3	84	41	66	20	7	3	6	162	22	24
Ma	le	15 - 19 years old	0	0	0	0	0	0	1	0	1	0	0	0	1	1	0	9
		20 - 24 years old	0	0	0	0	0	0	3	1	2	1	0	0	2	0	0	3
		25 - 34 years old	1	0	0	0	0	0	9	8	2	2	1	0	0	1	0	0
		35 - 44 years old	2	1	0	0	1	0	15	9	2	1	1	0	0	2	0	0
		45 - 54 years old	2	1	0	0	1	1	14	8	2	1	1	0	0	2	0	0
		55 - 64 years old	3	1	0	0	2	1	9	6	4	3	1	0	0	4	1	0
		65 - 69 years old	1	0	0	0	2	0	2	0	4	1	1	0	0	8	2	0
		70 years old and over	2	1	0	0	1	0	1	0	2	1	0	0	0	31	7	0
Fe	male	15 - 19 years old	0	0	0	0	0	0	0	0	1	0	0	0	1	1	0	8
		20 - 24 years old	0	0	0	0	0	0	3	1	2	1	0	0	2	0	0	3
		25 - 34 years old	0	0	0	0	0	0	6	3	6	3	1	0	0	5	2	0
		35 - 44 years old	1	0	1	0	0	0	8	2	10	3	1	0	0	8	2	0
		45 - 54 years old	1	0	1	0	1	0	9	1	12	2	1	0	0	8	1	0
		55 - 64 years old	1	0	1	0	1	0	4	1	11	2	1	0	0	14	2	0
		65 - 69 years old	1	0	0	0	1	0	1	0	4	0	0	0	0	17	1	0
		70 years old and over	1	0	1	0	0	0	1	0	2	1 0	0	0	0	62	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 $15\sim19$ years old, $65\sim69$ 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

	Hokkaido														Tohoku														
	Labour forc											Non-labour f	ece		Labour force													Non-labour force	
	Self employ Below	University or B	unily worker	corporation	University of	Regular employ	yee Iniversity or	Non-regular employee Below University o	Unemploym	University or	Attending	Below		Attending	Self employee	d worker University or	Family works		eorporation	University or	Regular empl	oyee Jaivensity or	Non-regular e	mployee	Unemploymen	nt	ttendine	na la	rensity or Attending
	university	higher us	iversity higher	university	higher	university hi	igher 214	university higher	university	higher	school	university	higher s	chool	university	higher	university	higher	university	higher	university 1	nigher	university 1	nigher	university 1	higher sch	hool	university high	er school
Male 15 · 19 years old 20 · 24 years old		0	0	0	0 0	0 3	0	4 (0 0	0		3 0	0	5	0	0	0	0	0	0	5	0	6	0	0	0	4	0	0 5
25 - 34 years old	2	2	0	0	0 0	0 16 0 50	40	12 1	3	2	15	1 6	2	18	3	2	3	2	3	2	28 91	73	11	14	6	5	19	6	2 2
35 - 44 years old 45 - 54 years old	16	6	0	0	3 1	2 78 4 73	50 44	10 6	3 3	2 2		9 9	2 2	0	10 13	6 8	3	2 2	10	6	140 129	89 78	16 17	10	7	4	0	9	2 0
55 · 64 years old 65 · 69 years old	15	8	0	0 1	4	50	29	24 1-	3 2	2		19	8	0	30 13	18	0	0	17	10	91	53	40	23	7 9	4	0	34	14 0 5 0
70 years old and over Female 15 · 19 years old	-	1	0	0	2	1 2	1	5	i	0		5	0	0	17	5	1	0	2	1	3	1	7	2	1	0	0	16	5 0
20 - 24 years old		0	0	0	0	0 13	4	10	3 2	1	13		0	15	0	0	0	0	0	0	24	8	14	5	2	1	21	3	0 29
25 - 34 years old 35 - 44 years old	4	1	4	1	0 0	0 30 0 41	17 12	30 17 54 18	4	1	1	27	9 12	0	3 4	2 1	4	0	4	1	61 87	35 25	40 79	23 22	3 4	1	0	31 45	11 1 13 0
45 - 54 years old 55 - 64 years old		1	5	1	5 5	1 45 1 23	8	63 11	5 5	1		0 41 0 75	7	0	9	2 9	9	2 3	5 9	1	82 56	14	95	17	5	1	0	50 112	8 0 16 0
65 - 69 years old 70 years old and over	1 2	0	1	0	1 (0 3	0	11	0	0		11	0	0	4	0	6	0	3	0	3	0	14	1	0	0	0	16	0 0
20 years old and over	Minami Kar			01	4 '	21	- 0		, ,				- 01	- 0	Kita Kanto, F	Vanhimatan	2					0	61	- 0		- 0,	0,	11.1	0, 0
	Labour force Self employ		mily worker	Committee o	of company or	Regular emplo		Non-regular employee	Unemploym		1	Non-labour f	ece		Labour force Self employee		Family works		Parameters of a	ompany or	Regular emple		Non-regular e		Unemploymen			Non-labour force	
	Below	University or B	low Univers	corporation ity or Below	University o	r Below U	niversity or	Below University o	r Below	University or	Attending	Below	University or J	Attending	Below	University or	Below Below	University or	corporation Below	University or	Below	Iniversity or	Below	Iniversity or	Below	University or At	ttending	Bolow Univ	versity or Amending
	university 406	higher us	iversity higher 92	university 20 34	higher 17 155		igher 1812	university higher 2204 676	university 3 213	higher 98	school 238		higher s	chool 341	university 132	higher 55	university 62	higher 12	university 28	higher 33	university 876	sigher 437	university 552	sigher 167	university 49	higher scl	hool 50	university high 423	er school 88 92
Male 15 · 19 years old 20 · 24 years old	5	0	0	0	0 0	0 17 0 90	0 29	43 (84 2			21 87	9	0 2	37 134	0	0	0	0	0	0	6 31	0 10	8 15	5	0 3	0	5 23	0 2	0 11 0 38
25 - 34 years old 35 - 44 years old	20	17	3	2 1	12 1	9 485 1 683	391 434	93 71 78 50	26		5	39	14	12	3	2	3	2	3	2 0	102 166	83 106	20 16	17	6	5	2	10	3 3
45 · 54 years old	66	40 35	3	2 7	10 41 17 41	2 637	384 178	60 36	23	14	i	47	12	0	20 97	12	0	0	13	8	153	92 55	13	8	3	2	0	9	2 0
55 - 64 years old 65 - 69 years old	36	9	1	0 3	12 10	306	178	138 8 67 2		12		99 85	39 21	0	14	16 5	1	0	17	3	94 7	2	18	6	2	0	0	34 27	5 0
70 years old and over Female 15 · 19 years old	35	12	0	0 1	0 0	9	0	32 bi	2	0	2		11	37	18	0	0	0	4 0	0	3	0	9	0	1	0	5	21 0	0 5
20 - 24 years old 25 - 34 years old	13	8	3	2	7	96 4 334	28 190	88 29 189 100	24	2 13	90	5 181	1 62	112 7	0 3	0 2	0	0	0	0	27 61	9 35	16 44	5 25	2 3	1 2	23 1	3 42	0 33 15 2
35 - 44 years old 45 - 54 years old	25	8	12	4 1		4 332	94 50	381 108 476 80	25	7		331	95	0	4	1 9	8	2	4 4	1	83	23 14	99 118	28	4 5	1	0	58	17 0
55 - 64 years old	26	4	23	3 2		5 290 4 145	20	322 4		2	i	288 383 64	47 53	0	9	1	19	3	9	i	82 51	7	98	14	5	i	0	112	16 0
65 · 69 years old 70 years old and over	12	1	15	1 1	8 6	1 14	1	73 31	1 2	0	·	3 43	0	0	7	0	11	1	3 2	0	3	0	18 8	0	0	0	0	21 16	0 0
	Hokuriku											T			Toksi														
	Labour forc Self employ	ed worker F	unily worker	Executive o	of company or	Regular emplo	yee	Non-regular employee	Unemploym	ient		Non-labour i	irce		Labour force Self employee	d worker	Family works	ır	Executive of o	company or	Regular emple	зуче	Non-regular e	mployee	Unemploymen	nt		Non-labour force	
	Below university	University or B	low Univers	ity or Below	University o	r Below U	iniversity or	Below University of university higher	r Below	University or	Attending	Below	University or J	Attending	Below university	University or	Below	University or	Below university	University or	Below I	Jaiversity or	Below I	Jaiversity or	Below I	University or At	ttending	Below Univ	versity or Attending
Male 15 · 19 years old	65		22	3 4	14 11	9 521	247	279 8	27	13	35	2 181	36	48	182	77	53	12	119	53	1404	715	906	265	67	30	109	627	139 137
20 - 24 years old		0	0	0	0	0 18	6	6 3	2 3	1	13	3 1	0	20	0	0	0	0	0	0	62 187	20	28	9	5	2	44	3	1 51
25 · 34 years old 35 · 44 years old	1 2	4	0	0	7	0 55 4 91	45 58	7	3	2 2	1	3 4	1	0	6 23	5 14	9	0 2	3 16	2 10	270	151 172	29 26	24 17	6 7	5	3	13 13	5 4 2 0
45 - 54 years old 55 - 64 years old	10	6 8	0	0 1	7 .	4 80 6 54	48 31	7 24 1	3	2 2		0 4 0 15	1 6	0	27 34	16 20	3	2	23 27	14 16	249 131	150 76	20 61	12 35	7 10	4	0	17 42	4 0 17 0
65 - 69 years old 70 years old and over	6	2	0	0	6	2 4	1	10 5	0	0		16	5	0	15	5	1	0	11 5	4 9	10	3	29 14	9	2	0	0	37	11 0 5 0
Female 15 · 19 years old	-	0	0	0	0 0	0 2	0	5 6	0	0	- 1	2 0	0	5	0	0	0	0	0	0	5	0	17	0	1	0	9	0	0 16
20 - 24 years old 25 - 34 years old		0	0	0	0 0	0 16	5 21	8 : 20 1:		0 2	11	15	5	16	3	0 2	3	0 2	0	0	48 111	16 63	31 67	10 38	7	4	41 2	77	0 47 26 3
35 - 44 years old 45 - 54 years old	1 4	1 1	4 5	1	0 6	0 58 1 59	16 10	54 11 54 1	5 4	1		21 23	6	0	12 14	4 2	4 9	1 2	4 9	1 2	120 118	34 20	166 199	47 35	8 5	2	0	107 96	31 0 16 0
55 - 64 years old 65 - 69 years old	5	1 0	5	1	5 1	1 37	5	51	7 0	0		51	7	0	14	2 0	14	2	14	2	65	9	159	22	5 0	1 0	0	149 97	21 0
70 years old and over		0	5	0	1 6	2	0	5 6	0 0	0		5	0	0	9	1	9	1	3	0	5	0	14	1	0	0	0	21	0 0
	Kinki Labour force	_										Non-labour f			Chugoku Labour force													Non-labour force	
	Self employ	ed worker E	mily worker	Executive of corporation	of company or	Regular emplo	nee	Non-regular employee	Unemploym	ent		Non-tabour i	irce		Self employee	d worker	Family works	r	Executive of o	ompany or	Regular emple	2396	Non-regular e	mplovee	Unemploymen	nt		Non-tanour torce	
	Below university	University or B higher us	low University higher	ity or Below university	University o	r Below U university hi	iniversity or igher	Below University of university higher	r Below university	University or higher	Attending	Below university	University or J higher s	Attending shool		University or higher	Below university	University or higher	Below university	University or higher	Below I university I	Iniversity or nigher	Below I university I	Iniversity or higher	Below university	University or At higher scl	ttending hool	Below Univ university high	versity or Amending ser school
Male 15 · 19 years old	261	115	73	16 16	0 0	4 1712 0 9	875 0	1244 37- 24 (126	61	133	2 984	211	207 21	85	34	18	2	63	24	664	328 0	390 7	115	35 0	14	45	311 0	68 63 0 5
20 · 24 years old 25 · 34 years old	3	1	0	0	0 0	0 47 5 222	15 179	47 11 44 30		3	45	5 4 23	1	81	0	0	0	0	0	0	23 79	7 64	13	4	3	1	18	2	0 26
35 - 44 years old	33	21	3	2 2	13 1	4 325	207	39 2	16	10		26	5	1	10	6	0	0	7	4	120	77	10	6	3	2	0	9	2 0
45 - 54 years old 55 - 64 years old	45	26 27	3 0	0 3	13 20 14 20	158	188 92	30 18 81 4	13	8		26 0 65	6 26	0	10 17	6 10	0	0	10 13	8	106 71	64 41	10 27	6 16	3	2 2	0	9 23	9 0
65 · 69 years old 70 years old and over	21 26	7 8	1	0 1	7 1	5 11	4 2	37 12 18 6	3 1	1 0		48 32	11 5	0	9 11	3 4	0	0	7 3	2	6 2	2	12 6	4 2	2 1	0	0	21 11	5 0
Female 15 · 19 years old 20 · 24 years old		0	0	0	0 0	5 46	0 15	27 (49 b)	1 1	0	11	3 0	0	21 72	0	0	0	0	0	0	2 19	0	8	0	0	0	4 17	0 2	0 5
25 - 34 years old 35 - 44 years old	1 3	4	3	2	3 3	2 152 2 162	86	108 6: 220 6:		8	1	3 104 0 178	36 51	4	0	0	0	0	0	0	51 66	29 19	34	19	3	2	1	31	11 1 13 0
	1 12	1 1		ál .		2 162	46 28	272 6		1 1		178		0	- 4	1	0	0	4			19	70	20	1 1		0	40	13 0
45 - 54 years old	18	3	14	2 .	14	100		212 4	14		,	160	26	0		1		1	5	1	68	12	77	13		1	0	41	, 0
45 - 54 years old 55 - 64 years old 65 - 69 years old 70 years old and over	15	3	19	3 1	6 6	2 84	12 1	192 2 39 1	5 2	1 0		247	26 35 0	0	9	1 0	5	1 0	5 9 3	1 0	68 42 3	6 0	70 14	13 10 1	5	1 0	0	41 84 16	12 0 0 0

																			E															
		Shikoku																	Кункун															
		Labour for	erce.												_	Non-labour f	orce		Labour force												_	Non-labour fe	arce	
		Selfemple	loyed wo	erker Family w	orker		ive of compa	iny or	Regular emp	loyee	Non-regular	employee	Unemploym	ent					Self employe	d worker	Family won		Executive of	company or	Regular emp	doyee	Non-regular	r employee	Unemployn	nent				
						corpora									1			-					corporation							_				_
		Below		rereity or Below		r or Below		versity or	Below	University or	Below	University or		University o	Attending		University or	Attending	Below	University or	Below	University or	Below	University or		University of		University or		University or	Attending	Bolow	University or	Attending
		university	high	er university	higher	univers	sity high	HEF.	university	higher	university	higher	university	higher	school		higher	school	university	higher	university	higher	university	higher	university	higher	university	higher	university	higher	school	university	higher	school
_			59	24	28	3	33	13	324	153	181	55	21	10	20	155	30	35	175	75	7	3 16	105	43	1120	54	705	5 211	74	4 32	80	552	115	11
Male	15 - 19 years old		0	0	0	0	0	0	2	0	2	0			1	0	0	0	0	0	d -	0	0	0	7		11	. 0		0	7	0	0	1
	20 - 24 years old		0	0	0	0	0	0	10	3	4	1			7	1	0	15	0	0		0	0	0	39	1:	21	. 7		5 2	30	3	1	4
	25 · 34 years old		3	9	0	0	0		35	28	6		5		1	3	1	1	6			3 2		9	131	10	95	19		9 7		10	9	·
	35 · 44 years old		2	7	0	0	-		50	97		9							20	19	1 :		19		100	19	90	19				12		1
	45 · 54 years old		-	1		0		- 1	50	97		1 -		1 :					20	10	1 :		10	10	100	100	100			1 1		10	-	
			1	*	0	0		- 1	50	30		1 4	-			4			21	16	1 .	, 2		10	160	100	11	10		1 1		1.5		'
	55 - 64 years old		13	8	0	0	7	- 4	34	200	13	8	2	,	0	10	6	0	-40	23	1 1) 0	24	14	118	62	5 50	29	10	6	0	46	18	
	65 - 69 years old		6	2	1	0	3	1	3	1		2			0	11	0	0	16	5	1	0	10	3	8		3 19	6	1	2 0	0	32	5	1
	20 years old and over		8	2	1	0	1	- 0	1	0	3	1						0	20	- 6		. 0	- 4	1	4		. 9	3		1 0	0	21		
Fem	le 15 · 19 years old		0	0	0	0	0	0	1	0	3	0			2	0	0	5	0	0		0	0	0	4		13	0	3	0	7	0	0	1
	20 - 24 years old		0	0	0	0	0	0	11	3	6	2			9	1	0	13	0	0	d -	0	0	0	38	1:	2 22	7	- 1	2 1	32	4	0	4
	25 - 34 years old		0	0	0	0	0	0	24	13	13	8			0	15	5	1	3	2	: I	3 2	. 0	0	91	50	67	38	1	7 4	2	58	20	,
	35 · 44 years old		0	0	4	1	0		33		37	- 11				91	6					2		1	116		3 124	35			0	83	24	
	45 · 54 years old		6	ï	ň.	il		1	36	6	36	6		1 1	0	18	3	0	9	9	1	1 2		2	118	21	145	25		5 1	0	73	19	
	55 - 64 years old		71	- 11	-	- 11	-	:1			00	1 .		1 2	1 0	10			I		1 :		1 .:	1 -	220		101	1 10	1 2	1 :	ı °	100		.1
					9				23		33			1 5		47			14	-			1	1 2	10		131	10	1 3	1		100	22	
	65 · 69 years old		2	0	3	0	1	0	1	0	1 3	0		1 5	1 0	5	0	0	5	0	Τ		1 1	0	6	1 '	23	1 1			0	21	0	1
	20 years old and over		3	0	5.	0	1	0	1	- 0	3	- 0	- (- 0		- 0	- 0	- 7	- 0	1	1 1		0	4	-	16) 1		0	- 0	16	- 0	1

		Labour foro													Non-labour f	orce	
		Selfemploy	ed worker	Family work	er	Executive of a corporation	ompany or	Regular emp	loyee	Non-regular	employee	Unemploym	ent				
		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	Bolow university	University or higher		Below university	University or higher	Attending school
		17	10	0	0	3	2	106	55	88	30	0	0	7	64	16	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	12	6	5	0	0	0	3	1	1
	35 - 44 years old	3	2	0	0	0	0	20	12	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	0	3	2	10	6	7	4	0	0	0	8	3	0
	65 - 69 years old	2	1	0	0	0	0	1	0	1	0	0	0	0	0	0	0
	70 years old and over	2	1	0	0	0	0	1	0	1	0	0	0	0	0	0	0
Fema	ale 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	6	10	6	0	0	0	8	3	0
	35 - 44 years old	0	0	0	0	0	0	12	4	17	5	0	0	0	8	2	0
	45 - 54 years old	0	0	0	0	0	0	9	2	14	2	0	0	0	9	2	0
	55 - 64 years old	0	0	0	0	0	0	5	1	14	2	0	0	0	19	3	0
	65 - 69 years old	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0
_	20 years old and over	0		0	0	0	0	0	0	1	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	ition																
		All over the															
		Labour force		In		In		In 1				I++ 1		1	Non-labour i	orce	
		Self employe	ed worker	Family worl	er	Executive of corporation	company or	Regular emp	loyee	Non-regular	employee	Unemployme	ent				
		Below	University or	Below	University or		University or	Dolom	University or	Dalam	University or	Below	University or	Attending	Below	University or	Attending
		university	higher	university	higher	university	higher	university	higher	university	higher	university	higher	school	university	higher	school
		1574	669	496	100	1068	466	11447	5772	7352	2220	703	319	806		1203	1176
Male	15 - 19 years old	0		0	0	0	0	68	0	123	0	5	0	72	5	0	116
	20 - 24 years old	6		0	0	0	0	367	117	240	77	43	15	304	29	5	469
	25 - 34 years old	59			10	30	22	1452	1172	272	219	83	65	26		42	38
	35 - 44 years old	191	118		12	141	87	2144	1364	228	144	82	51	0	148	28	
	45 - 54 years old	236	142		10	197	118	1975	1190	194	116	72	44	0	151	36	
	55 - 64 years old	302	177	0	0	239	141	1117	649	509	295	79	48	0	400	160	
	65 - 69 years old	136	44	7	0	102	33	86	27	223	71	21	3	1 0	309	73	
	70 years old and over	171	53			44	14	38	13	108	33	9	,	0	196	41	``
D 1												8	1	Ü			118
remaie	15 - 19 years old	0				0	0	35	0		0		0		5	0	
	20 - 24 years old	0				0	0	331	107	262	85	22	9	314	36	2	41
	25 - 34 years old	32				10	6	962	547	622	354	66	39	17		203	2
	35 - 44 years old	81	23			40	11	1110	315	1301	368	77	21	0	938	270	
	45 - 54 years old	115	21	93	17	89	17	1066	184	1549	268	77	14	0	854	141	١ '
	55 - 64 years old	126	18		21	112	16	606	84	1224	171	53	9	0	1438	202	١ ،
	65 - 69 years old	49	2		1	37	1	53	2	244	14	4	0	0	229	0	
	70 years old and over	70	3	83	6	27	0	37	1	106	5	2	0	0	160	0	
Collec	tion count (final ef	fective san	iples)														
		All over the	country														
		Labour force												_	Non-labour i	orce	
		Self employe	ed worker	Family work	er	Executive of	company or	Regular emp	loyee	Non-regular	employee	Unemployme	ent				
			T		L	corporation	L		I		L		L			,	
		Below	University or		University or	Below	University or		University or		University or	Below	University or		Below		Attending
		university 2043	higher 1129	university 584	higher 155	university 1222	higher 637	university 13036	higher 6986	university 8489	higher 3072	university 646	higher 334	school 1585	university 7298	higher 2148	school 1299
Male	15 - 19 years old	3	0	0	100	3	007	24	0900	20	1	0	0	1989	25	3	
Maie					2												156
	20 - 24 years old	15			_	19	4	318	161	172	76	17	6		50	27	358
	25 - 34 years old	87	77		14	56	23	1882	1558	372	287	58	67	65	181	85	48
	35 - 44 years old	222	139		28	147	97	2323	1476	301	168	79	54	43	206	56	10
	45 - 54 years old	280	158	26	11	217	137	2118	1269	260	159	75	47	43		73	
	55 - 64 years old	349	257	11	5	247	159	1236	772	593	403	68	42	31	493	208	5
	65 - 69 years old	146	96	8	2	107	54	105	43	293	183	14	10	8	453	240	
	70 years old and over	198	150		2	57	80	45	34	200	149	5	3	16	358	256	
Female	15 - 19 years old	5	0	2	0	5	0	28	0	61	0	3	0	117	24	1	165
	20 - 24 years old	41	7	11	2	29	5	451	160	374	109	25	6	594	117	27	458
	25 - 34 years old	102	46	34	10	49	18	1318	779	899	496	78	50	44	827	288	30
	35 - 44 years old	132	47	76	25	39	9	1256	372	1462	420	79	25	28	1053	324	13
	45 - 54 years old	150	46	107	20	88	17	1179	224	1724	311	83	10	35	933	165	
	55 - 64 years old	181	73	159	29	111	29	673	128	1358	260	55	14	25	1644	285	18
	65 - 69 years old	64	13		4	31	3	61	8	277	31	6	0	4	468	74	
	70 years old and over	68	15		1	17	9	19	9	123	19	1	0	1	274	36	
T		- 00	10					10		120	10				211	- 00	
Exces	s/deficiency count	411															
		All over the Labour force													Non-labour i	Formo	
		Self employe		Family worl	or	Executive of	company or	Regular emp	lovee	Non-regular	employee	Unemployme	ent	1	Non labour i	orce	
		cen employe	ou worker	Tuning work		corporation		regular emp	noyee	ron regular	cimpioyee	Chempioyin					
		Below	University or	Below	University or	Below	University or	Below	University or	Below	University or	Below	University or	Attending	Below	University or	Attending
		university	higher	university	higher	university	higher	university	higher	university	higher	university	higher	school	university	higher	school
		469	460	88	55	154	171	1589	1214	1137	852	(57)	15	779	1689	945	11'
Male	15 - 19 years old	3	0	0	0	3	0	(44)	0	(103)	1	(5)	0	17	20	3	40
	20 - 24 years old	9	3	5	2	19	4	(49)	44	(68)	(1)	(26)	(9)	135	21	22	(11:
	25 - 34 years old	28	31	7	4	26	1	430	386	100	68	(25)	2	39	59	43	10
	35 - 44 years old	31	21	19	16	6	10	179	112	73	24	(3)	3	43	58	28	
	45 - 54 years old	44	16	11	1	20	19	143	79	66	43	3	3	43	41	37	
	55 - 64 years old	47	80	11	5	8	18	119	123	84	108	(11)	(6)	31	93	48	1
	65 - 69 years old	10	52		2	5	21	19	16	70	112	(7)	7	8	144	167	
	70 years old and over	27	97		2 2	13	66	7	21	92	112	(4)	2	16		215	1
E1	15 - 19 years old	5			0	13 5	0	(7)	0		0	(5)	0			215	4
remaie		5 41			2	5 29	5	120	53	112	24	(5)	(3)	280	19 81	25	
	20 - 24 years old							1				-					4
	25 - 34 years old	70			2	39	12	356	232	277	142	12	11	27	238	85	
	35 - 44 years old	51	24	20	10	(1)	(2)	146	57	161	52	2	4	28	115	54	13
	45 - 54 years old	35	25		3	(1)		113	40	175	43	6	(4)	35	79	24	
	55 - 64 years old	55	55		8	(1)		67	44	134	89	2	5	25		83	1
	65 - 69 years old	15	11	(9)	1 3	(6)	9	1 8	. 6	33	17	. 9		1 4	930	7.4	

65 - 69 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

^{* 21} 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

I-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 50,656 can be made up according to the population, multiplying 50,656 excluded 21 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 (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



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

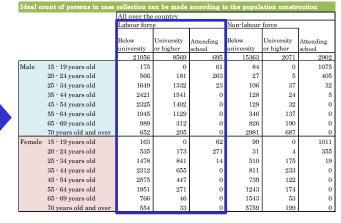
= weighted value Pattern A

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

Collec	tion count (final ef	fective sar	mples)				
		All over the	country				
		Labour forc	e		Non-labour	force	_
		Below	University	Attending	Below	University	Attending
		university	or higher	school	university	or higher	school
		26020	12313	1585	7298	2148	1292
Male	15 - 19 years old	50	1	89	25	3	156
	20 - 24 years old	546	254	439	50	27	358
	25 · 34 years old	2477	2026	65	181	85	48
	35 · 44 years old	3109	1962	43	206	56	10
	45 - 54 years old	2976	1781	43	192	73	5
	55 - 64 years old	2504	1638	31	493	208	9
	65 - 69 years old	673	388	8	453	240	5
	70 years old and over	515	418	16	358	256	9
Female	15 · 19 years old	104	0	117	24	1	162
	20 - 24 years old	931	289	594	117	27	458
	25 - 34 years old	2480	1399	44	827	288	30
	35 - 44 years old	3044	898	28	1053	324	13
	45 - 54 years old	3331	628	35	933	165	9
	55 - 64 years old	2537	533	25	1644	285	15
	65 - 69 years old	483	59	4	468	74	2
	70 years old and over	260	39	4	274	36	3



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 2018

The population produced in Reference (1)-I

											(%)
		All over t	ne 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		Attending		Attending
			graduated	graduated	graduated	graduated	graduated		school		school
_		50711	5.3	1.3	3.0	29.3	18.1	1.7	1.4	34.3	5.7
Male	15 · 19 years old	1391	0.0	0.0	0.0	0.2	0.1	0.0	0.1	0.2	2.1
	20 - 24 years old	1466	0.0	0.0	0.0	0.9	0.5	0.1	0.5	0.1	0.8
	25 - 34 years old	3219	0.2	0.0	0.1	4.5	0.9	0.2	0.0	0.3	0.1
	35 - 44 years old	4127	0.6	0.1	0.4	5.9	0.7	0.2	0.0	0.3	0.0
	45 - 54 years old	3893	0.7	0.1	0.5	5.2	0.6	0.2	0.0	0.3	0.0
	55 - 64 years old	3583	0.9	0.0	0.6	2.9	1.5	0.2	0.0	1.0	0.0
	65 - 69 years old	2324	0.6	0.0	0.4	0.4	1.1	0.1	0.0	2.0	0.0
	70 years old and over	4520	0.6	0.0	0.2	0.1	0.6	0.0	0.0	7.2	0.0
Female	15 · 19 years old	1311	0.0	0.0	0.0	0.1	0.2	0.0	0.1	0.2	2.0
	20 - 24 years old	1377	0.1	0.0	0.0	0.7	0.6	0.1	0.5	0.1	0.7
	25 · 34 years old	3050	0.2	0.1	0.1	2.5	1.6	0.2	0.0	1.4	0.0
	35 - 44 years old	4020	0.3	0.1	0.1	2.4	2.8	0.2	0.0	2.1	0.0
	45 - 54 years old	3883	0.3	0.2	0.2	2.1	3.1	0.1	0.0	1.7	0.0
	55 - 64 years old	3639	0.3	0.3	0.2	1.1	2.3	0.1	0.0	2.8	0.0
	65 · 69 years old	2403	0.2	0.1	0.1	0.2	0.9	0.0	0.0	3.1	0.0
	70 years old and over	6504	0.3	0.1	0.1	0.1	0.5	0.0	0.0	11.7	0.0

											(%
		All over th									
			Labour force							Non-labour	force
			Self	Family	Executive of		Non-	Unemployment			
			employed	worker	company or corporation	employee	regular				
		n	worker				employee		ļ		1
		(x 10,000	previously	previously	previously	previously	previously	previously	Attending	previously	Attending
				graduated	graduated	graduated	graduated		school		school
		11010	4.7		3.1	29.9	17.7	1.8	1.4	34.4	5. 2.
Male	15 · 19 years old	303	0.0	0.0	0.0	0.1	0.2	0.0	0.1	0.2	
	20 - 24 years old	315	0.0	0.0	0.0	0.8	0.5		0.5	0.1	0.8
	25 - 34 years old	691	0.2	0.0	0.1	4.5	0.8		0.0	0.3	0.
	35 - 44 years old	895	0.5	0.1	0.4	6.0	0.6	0.2	0.0	0.3	0.0
	45 - 54 years old	845	0.6	0.0	0.5	5.4	0.5	0.2	0.0	0.3	0.0
	55 - 64 years old	773	0.8	0.0	0.6	3.0	1.4	0.2	0.0	1.0	0.0
	65 - 69 years old	504	0.6	0.0	0.5	0.4	1.0	0.1	0.0	2.0	0.0
	70 years old and over	983	0.8	0.0	0.2	0.2	0.5	0.0	0.0	7.2	0.
Female	15 - 19 years old	290	0.0	0.0	0.0	0.1	0.3	0.0	0.1	0.2	2.0
	20 - 24 years old	298	0.0	0.0	0.0	0.7	0.6	0.1	0.5	0.1	0.
	25 - 34 years old	660	0.1	0.0	0.0	2.6	1.7	0.2	0.0	1.4	0.0
	35 - 44 years old	872	0.2	0.1	0.1	2.4	2.9	0.2	0.0	2.1	0.0
	45 - 54 years old	844	0.2	0.2	0.2	2.1	3.1	0.1	0.0	1.7	0.0
	55 - 64 years old	791	0.2	0.3	0.2	1.2	2.4	0.1	0.0	2.8	0.0
	65 - 69 years old	524	0.2	0.2	0.1	0.2	0.9	0.0	0.0	3.2	0.0
	70 years old and over	1423	0.3	0.3	0.1	0.1	0.4	0.0	0.0	11.8	0.0

- * % values in the table represent percentage of total
- * Since the weighted aggregation is implemented, total (n) of Japanese Panel Study of Employment Dynamics 2018 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 2018

Statistics Bureau, Ministry of Internal Affairs and Communications "Labour Force Survey (Basic Tabulation)" December, 2017

		n (persons)	Regular employee	Non- regular employee
Male	15 - 24 years old	1117	47.6	52.4
	25 - 34 years old	2733	83.7	16.3
	35 - 44 years old	3334	89.0	11.0
	45 - 54 years old	2982	89.0	11.0
	55 - 64 years old	2230	66.9	33.1
	65 years old and over	1166	22.5	77.5
Female	15 - 24 years old	1078	37.3	62.7
	25 - 34 years old	2099	60.0	40.0
	35 - 44 years old	2643	46.4	53.6
	45 - 54 years old	2626	40.8	59.2
	55 - 64 years old	1759	33.1	66.9
	65 years old and over	887	16.4	83.6

		n (x 10,000 persons)	Regular employee	Non- regular employee
Male	15 - 24 years old	262	52.3	47.7
	25 - 34 years old	576	84.7	15.3
	35 - 44 years old	711	90.7	9.3
	45 - 54 years old	690	91.0	9.0
	55 - 64 years old	499	70.5	29.5
	65 years old and over	251	29.1	70.9
Female	15 - 24 years old	247	45.7	54.3
	25 - 34 years old	477	61.0	39.0
	35 - 44 years old	585	47.9	52.1
	45 - 54 years old	615	41.5	58.5
	55 - 64 years old	413	32.2	67.8
	65 years old and over	195	23.1	76.9

<Unemployment rate by region>

Statistics Bureau, Ministry of Internal Affairs and Communications "Labour Force Survey (Basic Tabulation)" October ~ December 2017 (Seasonally adjusted values)

Japanese Panel Study of Employment Dynamics 2018

Hokkaido	Tohoku	Minami kanto	Kitakanto/ koshin	Hokuriku	Tokai	Kinki	Chugoku/ Shikoku	Kyusyu/ Okinawa	
3.3	3.2	3.1	2.5	2.6	2.2	3.5	2.4	2.7	(%)

	Hokkaido	Tohoku	Minami kanto	Kitakanto/ koshin	Hokuriku	Tokai	Kinki	Chugoku/ Shikoku	Kyusyu/ Okinawa	
6)	2.9	2.6	2.8	2.5	2.3	2.2	2.9	2.9	3.1	(%