Outline of Index of Tertiary Industries Activity

Statistical Standards Department Statistics Bureau, Japan OUTLINE OF INDEX OF TERTIARY INDUSTRIES ACTIVITY

January 1987

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(1) History

The tertiary industries have increased their weights in the national economy in recent years and among these industries, there are some industries which are supposed to grow steadily and become more important in the near future. However, the existing statistical surveys on tertiary industries lack consistency and don't exactly grasp their trend. The statistical grasp of tertiary industries from the viewpoint of coping with the "inclination of the economy towards services and highly informational" has been highly requested.

Under such circumstances, the Ministry of International Trade and industry considered to compile an index of tertiary industries activity to grasp the current trend of such industries from 1974 and published the test results from August 1976. After that, we improved the index on the views on test results from the Ministries and Agencies concerned and each industry circle and revised the benchmark period from 1970 to 1975 and moved to publish the results quarterly. Furthermore, we revised the benchmark period from 1975 to 1980 on December 1985.

(2) Coverage of the Index of Tertiary Industries Activity

The index covers the following industries based on the Japanese Standard Industrial Classification.

Division G. Electricity, Gas, Heat Supply and Water

Division H. Transport and Communication

Division 1. Wholesale and Retail Trade, Eating and Drinking Places

Division J. Financing and Insurance

Division K. Real Estate

Division L. Services

Division M. Government (not elsewhere calssified)

(Note) All industries are divided into 3 groups, namely primary industries, secondary industries and tertiary industries.

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Primary industries	Secondary industries	Tertia	ertiary industries	
Division A. Agriculture Division B. Forestry Division C. Fisheries	Division D. Mining Division E. Construction	Division G.	Electricity, Gas, Heat Supply and Water	
or transcries	Division F. Kanufacturing	Division H.	Transport and Communication	
		Division t.	Wholesale and Retail Trade, Eating and Drinking Places	
		Division J.	Financing and Insurance	
		Division K.	Real Estate	
		Division L.	Services	
		Division M.	Government (not elsewhere classified)	

(3) Basic policy of activity concept and calculation

3 Basic concept

The Index of Tertiary industries Activity aims at the indicator which can show the activity rate of tertiary industries and can be defined as an index which integrates time series of production data of tertiary industries using the appropriate weights that can show the relative importance of each industry.

② Concrete calculation policy

it is nearly impossible for us to select time series of production data at each industry level because of limitation of available information. However, we, in principle, consider to select the industries which can represent the movement of real production as far as possible.

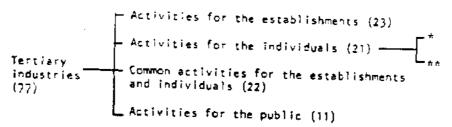
The weights which are used for integration are the amounts of value-added.

- (4) Calculation of Index
 - Benchmerk period

The benchmark period is 1980.

- (2) Classification
 - (a) The industrial classification adopted in the Index is in principle the Japanese Standard Industrial Classification (JSIE).
 - (b) We set up a new special classification. All the industries selected for the index are classified based on the nature of services provided and the main demander.

System of Special Classification



- * Activities related to daily life
- ** Activities related to recreation

(Note) The number in the parenthesis is the number of industry.

- 3 Index formula and weight
 - (a) Index formula

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$$1^{(L)} = \sum \frac{Wox}{\sum Wox} \times \frac{Qtx}{Qox}$$

Wol : individual industry 1980 weight

Qoi : individual industry monthly average activities in 1980

Qti : individual industry t-month average activities

- (b) Weights are calculated based on the 1980 amounts of value-added. The amounts of value-added in the 1980 input-Output Tables are used for this purpose.
- 4 Seasonal adjustment method

The seasonal adjustment method is the HITI lit which is also used for the index of industrial Production.

(5) Publication of the index

The quarterly index is published after two months from the end of reference period. At the same time, the monthly indexes are published covering the former quarter.

Table : Industrial Classification and Weight of Index of Tertiary Industries Activity (Fublication level)

Division	Eroup	Industry	Veight
General Tertiary Industries			10,000.0
ELECTRICITY, GAS, HEAT SUPPLY AND			422.0
MATER	ELECTRICITY, GAS		422 0
	WATER	Electricity	300.5
		Gas	49]
	İ	Vater	7 1 1
TRANSPORT AND	1		1,057.8
PARTITION 1	TRANSPORT		766 0
	1	Reliweys Pessenger Trensport	96 7
		Auliwaya Fraight Transport	12 3
		Road Passenger Transport	182.7
		Road Freight Transport	228 4
		Water Transport	142 5
		Air Transport	45 6
	!	Variahousing	41 4
		Travel Agency	16 4
	COMMUNICATION		251 9
	j	Postal Services	45 7
	 	Telegraph	7 9
		Telephone	738 2
HOLESALE AND			3,119 2
	. WHOLESALE TRADE		1,525 /
ING PLACES	 	General Merchandiza	86 8
	·	Textile Products	63 1
		Chemicals and Related Products	71 *
		Minerals and Metals	230 5
		Machinery and Equipment	304 5
		Building Materials	145.0
		Apparel, Apparel Accessories and Maclans	123.1
,	 	Farm, Livestock and Aquetic Products	
		Food and Baverages	113.6
		Orugs and foliatries	126.8
		Furniture, Fixture and House Furnishings	\$3.0
		Miscellaneous Wholesele Trade	55.9
	ATTAIL TRADE	Authoritanicols and tabella fueds	151.u
		Secoti Tandarf	1.176 5
		Retail Trade-General Merchandize	153 :
		Retail Trade-Dry Goods, Apparel and Accessary Stores	152.0
		Retail Trade-Food and Severage Stores	320 4
		Motor Vehicle Stores	f. 63
		Household Appliance Stores	64.:
ı		Miscellaneous Retail Stores	103.4

Division	Group	Industry	Weight
	EATENG AND DRINKING PLACES	· · · · · · · · · · · · · · · · · · ·	413.0
FINANCING AND INSURANCE			878.2
	FINANCING		640.9
		Bank of Japan	40.0
		Financial Institutions	. 484.3
		Institutions Gesling with Postal Savings	31.9
		Securities Corporations	61.7
	IMSURANCE		237.3
	!	Liferinsurance Companies	186.3
		Insurance Against Loss	\$1.0
REAL ESTATE AGENCIES			684.1
myent go	REAL ESTATE AGENCIES		684.1
SERVICES			3,114.8
	PERSONAL SERVICES		820.2
	BUSINESS SERVICES	•	659.1
		Goods Rental and Leasing	15.1
		Automobile Rental	9.9
		Radio and Television Broadcasting	68.1
		Advertising	
	PUBLIC SERVICES	•	55.4
 			1,635.5
FFIC-AL BUSINESSE	s'		723.9
	GEFICIAL BUSINESSES		723.9

Table 2 Special Classification and Weight of Index of Tertiary industries Activity

Special Classifia cation		Group or Each Industry	JSIC Code (Division)	1980 Weights (per 10 thousand)	
Activities for the establishments		Railways Freight Transport	н	12.3	
		Road Freight Transport	{ н	228.4	
		Water Transport	н	142.5	
		Warehousing	н		
Ü		Wholesale Trade	1	1.529.7	
Ŷ		Goods Rental and Leasing	L	35.3	
2	;	Cooperative Associations	L	37.4 102.4 59.4	
9		Information Services .	L		
	;	Advertising	L.		
	=	Building Maintenance Services	L	79.8	
į	۲ I	Professional Services	l i	212.3	
Š	,	Guard Services	ı	54.5	
(2	3)	Total		(2,535.4)	
	6.>	Retail Trade	1	1,176.5	
	د: ا ا د	House and Room Lessons	K	288,1	
	Activities daily life	Laundries	l	55.7	
	les He	Barbershops	L	28.9	
		Beauty Partors	ļ .	36.1	
į	related	Bathhouses	L	13.3	
,	1	Photographic Studio	l L	27.9	
Activities	(13)	Funneral Services and Decematories	L	15.4	
	\'\','	Sut-1otal		(1,6-1-9)	
for		Travel Agency	н	16.4	
7	3 2	Eating and Drinking Place	ı	413.0	
Individuals	2 3	hotels, Boarding Houses and Other Lodging Places	l L	117.7	
₹.	Activities	Hotlon Pictures	L	9.5	
Ę.		Theatres, Performances and Theatrical Companies	L	23.7	
	reta	Bicycle, Horse and Other Race Truck Operations	L	61.8	
21)	<u> </u>	Amusement and Recreation Facilities	L	187.8	
	6	Individual Instruction Places	ι	55.2	
	(8)	Sub-tota!	****	(885.1)	
		Total		(2,527.0)	

pechal impsifir etion	Group or Each Industry	Industrial Code (Division)	Weights on the base 1980 (per 10 thausand)	
•	Electricity	6	300.9	
	Gas	} c	49.3	
8	Water	G .	71.1	
Common activities for the establishments and individuals	Heat Supply	G	0.7	
•	Railways Passenger Transport	, н	9 6.7	
5	Road Passenger Transport	ј н	182.7	
÷	Air Transport	H	45.6	
ā	Postal Services	н	45.7	
<u>.</u>	Telegraph	н	7.9	
÷ -	Telephone	\ н	238.2	
*	Bank of Japan	J	60.0	
5	Financial Institutions	j	484.3	
Ē	Institutions Dealing with Postal Savings	J	33.9	
<u> </u>	Securities Corporation	ر ا	62.7	
Ş	Life-Insurance Companies	J	186.3	
<u>-</u>	. Insurance against Loss	J.	51.0	
te S	Real Estate Lossons	ĸ	333.2	
-	Building and Land Subdividers, Developers and Brokers	, k	62.5	
<u> </u>	Automobile Repair Services	l L	123.8	
<u>۽</u>	Automobile Parking	L	63.4	
<u>.</u>	Automobile Rental	l i	5.9	
(22)	Radio and Television Broadcasting	L.	98.1	
		(2,578.2)		
	Medical and Other Mealth Services	L	542.6	
	Public Health Services	i i	23.8	
<u>*</u>	Waste Treatment Services	L	88.9	
<u> </u>	School Educational Services	L	705.9	
Ξ	Social Educational Services	L	15.6	
Activities for	Research Institutes of Science	Ł	35.0	
P	Religion		61.6	
Ş	Social Insurance	ı	32.5	
2	Social Welfare	l L	66.9	
the public	Labour Organizations	l i	62.7	
	Official Businesses	н	723.9	
(13)				
	Total		(2,359.4)	
To:+1	Grand total		10,000.0	

	I		<u></u>		Total Index	Percentage increase on year, fiscal year or quarter earlier
		1980			100.0	•
0.		1981			103.3	3.3
		1982			106.7	3.3
		1983			110.5	3.6
<u>.</u>		1984			114.9	4.0
ina.	ł	1985			118.6	3.2
Original series	1					
<u>~</u> .	F,Y,	1981			104.1	3.4
ŭ.		1982			107.5	3.3
	ļ	1983			111.6	3.8
		1984			115.9	3.9
	<u></u>	1985			119.7	3.3
		1981		quarter	101.9	0.9
			2nd	11	102.6	0.7
			3rd	1)	103.8	1.2
			4 t h	1)	104.7	0.9
		1982		***	105.5	0.8
	•		2nd	11	106.3	0.8
	1		3rd	13	107.0	0.7
Se a			4th	"	107.9	0.8
Seasonally adjusted		1983		"	108.7	0.7
<u>=</u>			2nd	11	110.0	1.2
- <			3rd	11	111.2	1.1
يةِ			4th	**	112.1	0.8
1516		1984		11	113.0	0.8
_			2nd		114.3	1.2
series			3rd	"	115.7	1.2
Ç			4th	41	116.4	0.6
		1985		"	117.3	0.8
			2nd	11	117.9	0.5
			3rd	*1	119.1	1.0
			4th	11	119.9	0.7
		1986		11	121.9	1.7
			2nd	11	122.9	0.8
			3rd	11	125.1	1.8