



The Index of Services and Retail Sales Index by Province in the Fourth Quarter of 2018 and in 2018

The Index of Services and Retail Sales Index by Province in the Fourth Quarter of 2018

◇ (Index of Services by province)

In the fourth quarter of 2018, the index of Services showed a year-on-year increase in all 16 regions.

- Incheon (4.5%), Chungnam (2.9%) and Busan (2.7%) showed a high increase rate owing to a favorable trend in 'Transportation and storage', 'Human health and social work activities', 'Wholesale and retail trade' and 'Arts, sports and recreation related services'.
- Incheon showed the highest year-on-year increase in 'Transportation and storage' (8.6%), which was followed by 'Human health and social work activities' (8.9%), 'Real estate activities' (9.2%), 'Wholesale and retail trade' (1.8%) and 'Arts, sports and recreation related services' (13.1%).
- Chungnam showed the highest year-on-year increase in 'Human health and social work activities' (9.0%), which was followed by 'Transportation and storage' (6.0%), 'Financial and insurance activities' (6.6%), 'Arts, sports and recreation related services' (12.0%) and 'Professional, scientific and technical activities' (4.7%).
- Busan marked the highest year-on-year increase in 'Human health and social work activities' (7.7%), which was followed by 'Transportation and storage' (5.9%), 'Wholesale and retail trade' (2.1%), 'Accommodation and food service activities' (2.3%) and 'Arts, sports and recreation related services' (6.1%).
- Ulsan (0.7%), Jeonbuk (0.8%) and Gangwon (1.1%) recorded a low increase rate owing to a slowdown in 'Accommodation and food service activities' and 'Arts, sports and recreation related services'.

◇ (Retail Sales Index by province)

As for the Retail Sales Index in the fourth quarter of 2018, 9 regions recorded a year-on-year increase, while 7 regions recorded a year-on-year decrease.

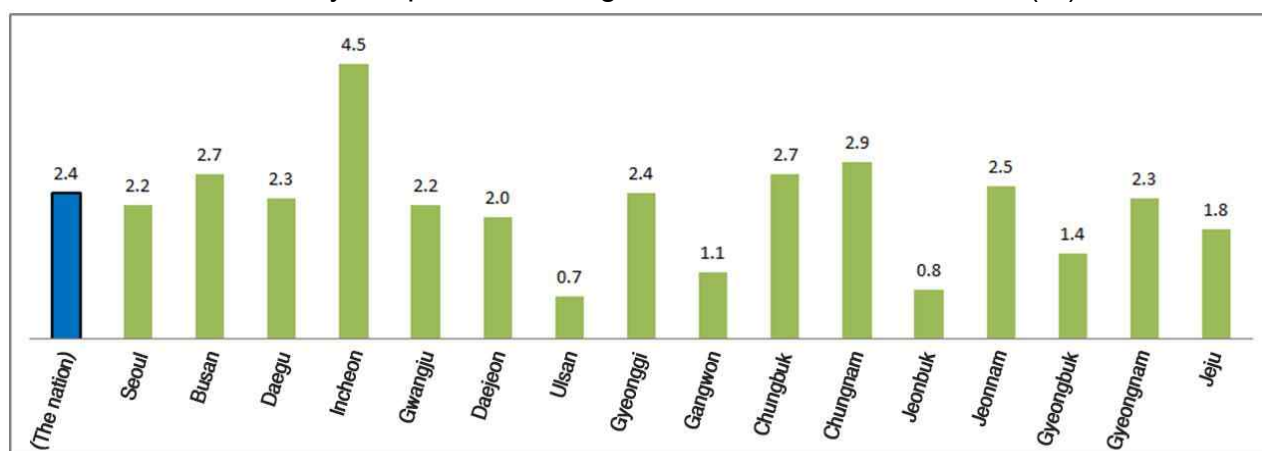
- Jeju (10.4%), Seoul (3.7%) and Incheon (3.0%) showed a year-on-year increase owing to the rise in 'Duty-free shops' and 'Automobiles and automotive fuel'.
- As for Jeju, 'Discount department stores' dropped by 10.4%. Whereas, 'Duty-free shops' and 'Automobiles and automotive fuel' rose by 31.0% and 14.6%, respectively.
- As for Seoul, 'Discount department stores' and 'Supermarkets, non-specialized stores and convenience stores' fell by 9.4% and 1.2%, respectively. In the meantime, 'Duty-free shops' and 'Automobiles and automotive fuel' rose by 27.9% and 7.1%, respectively.
- As for Incheon, 'Discount department stores', 'Specialized stores' and 'Department stores' fell by 12.2%, 2.2% and 9.5%, respectively. Whereas, 'Automobiles and automotive fuel' and 'Duty-free shops' grew by 13.6% and 8.6%, respectively.
- Ulsan (-2.8%), Daejeon (-2.2%), Chungnam (-1.3%) and Gyeongbuk (-1.3%) recorded a decrease due to the drop in 'Discount department stores' and 'Specialized stores'.

□ Major indicators in the fourth quarter of 2018

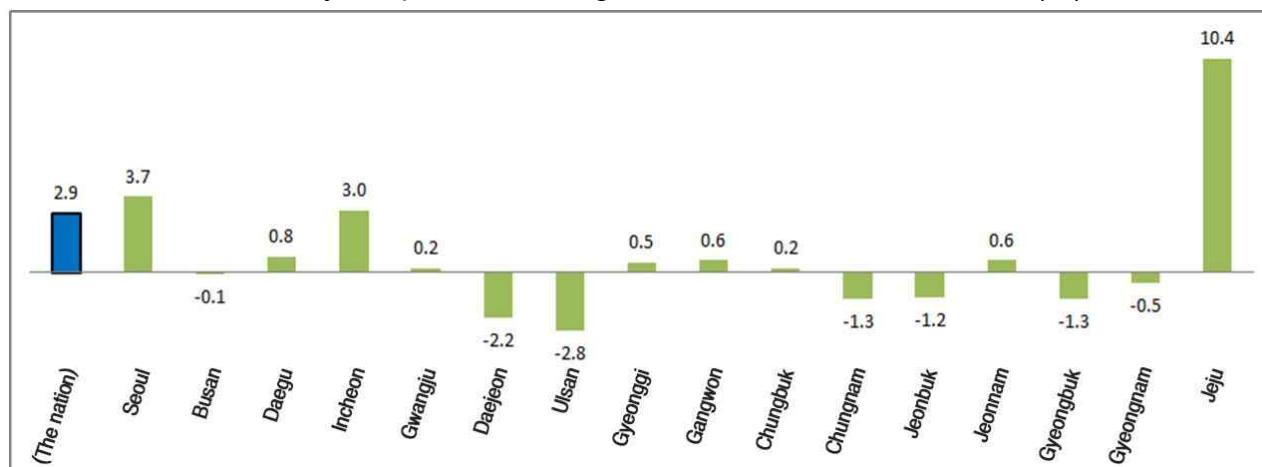
(Year-on-year, %)

Metropolitan cities and provinces	Index of Services							Retail Sales Index						
	2017	4Q	2018	1Q	2Q	3Q	4Q ^P	2017	4Q	2018	1Q	2Q	3Q	4Q ^P
Seoul	2.8	3.1	3.2	4.0	4.5	2.1	2.2	1.8	2.5	5.6	5.9	7.2	5.4	3.7
Busan	1.5	0.1	1.6	1.3	2.2	0.4	2.7	-0.2	-0.9	0.8	2.1	2.1	-0.5	-0.1
Daegu	1.5	-0.6	1.2	0.6	0.9	0.8	2.3	0.9	1.1	0.3	-0.2	-0.1	0.6	0.8
Incheon	2.2	0.7	2.7	1.5	2.6	2.2	4.5	1.7	1.1	3.4	4.6	3.1	2.4	3.0
Gwangju	1.8	1.0	1.7	2.3	1.6	0.5	2.2	-0.2	0.7	0.8	1.7	-0.5	1.9	0.2
Daejeon	1.4	0.9	0.9	1.3	0.8	-0.6	2.0	1.0	0.2	-0.4	1.4	-0.5	0.3	-2.2
Ulsan	-0.3	-1.6	0.4	0.3	0.7	0.0	0.7	-1.4	-1.2	-0.8	2.2	-1.5	-1.1	-2.8
Gyeonggi	2.3	1.2	1.9	1.7	2.6	0.6	2.4	0.9	-0.3	2.3	3.9	2.7	2.2	0.5
Gangwon	1.5	0.9	2.0	3.8	1.1	2.1	1.1	1.5	2.8	2.4	5.1	1.8	2.4	0.6
Chungbuk	2.2	1.0	1.6	0.8	1.0	1.8	2.7	1.0	1.5	1.0	3.3	-0.5	1.2	0.2
Chungnam	2.2	0.0	1.4	0.8	2.2	-0.1	2.9	2.1	3.0	1.0	2.7	1.3	1.4	-1.3
Jeonbuk	1.4	0.1	0.1	0.2	0.4	-0.8	0.8	-0.7	-1.2	-0.3	1.0	0.3	-1.3	-1.2
Jeonnam	0.9	-0.3	1.4	0.9	1.2	0.9	2.5	-1.0	-0.3	1.7	3.0	2.3	1.2	0.6
Gyeongbuk	1.5	0.9	0.8	0.5	0.9	0.6	1.4	-0.2	1.3	-0.3	0.3	-0.3	0.3	-1.3
Gyeongnam	0.9	-0.7	0.7	0.6	0.7	-0.9	2.3	-1.3	-2.5	-0.7	0.6	-0.5	-2.3	-0.5
Jeju	4.7	4.3	2.6	5.5	3.0	0.2	1.8	2.3	2.9	11.0	6.6	17.8	9.6	10.4
The nation	1.9	0.9	2.0	2.6	2.3	0.8	2.4	1.9	2.1	4.2	5.0	4.7	3.9	2.9

< Year-on-year percent change in the Index of Services (%) >



< Year-on-year percent change in the Retail Sales Index (%) >



Note) The figures for the nation include "Retail Sales not in Stores". In the meantime, the figures for metropolitan cities and provinces exclude "Retail Sales not in Stores".

1. Seoul

Index of Services

□ In the fourth quarter of 2018, the Index of Services for Seoul rose by 2.2% year-on-year.

(2015=100, volume, %, %p)

	Weights	2017	4Q	2018 ^P	1Q	2Q	3Q	4Q ^P	Contribution
Index of Services	1000.0	106.0	111.9	109.4	106.3	109.5	107.4	114.4	-
Year-on-year	-	2.8	3.1	3.2	4.0	4.5	2.1	2.2	-
- Wholesale and retail trade	194.7	0.7	-0.3	2.1	2.2	2.5	0.3	3.3	0.61
- Transportation and storage	79.9	-0.3	-1.2	0.9	0.9	2.1	-0.8	1.5	0.11
- Accommodation and food service activities	44.3	-1.1	-2.8	-1.9	-5.8	-0.3	-2.3	0.4	0.02
- Information and communication	119.1	6.3	12.2	2.1	4.6	4.7	5.0	-4.4	-0.63
- Financial and insurance activities	242.5	3.9	6.6	7.8	10.2	11.5	5.8	3.6	0.89
- Real estate activities	34.3	6.4	-1.5	3.7	6.7	0.5	-0.9	9.2	0.29
- Professional, scientific and technical activities	76.6	0.0	-1.5	0.8	2.3	2.4	-4.7	3.0	0.23
- Business facilities management and business support services; rental and leasing activities	49.7	5.9	6.4	1.2	6.0	1.7	-0.9	-1.8	-0.09
- Education	62.1	-1.8	-2.0	0.2	-2.0	1.9	-0.4	1.6	0.08
- Human health and social work activities	59.7	9.8	2.4	4.7	1.7	0.3	7.5	9.1	0.58
- Arts, sports and recreation related services	13.7	-0.6	-3.4	6.2	0.3	1.4	9.6	12.9	0.17
- Membership organizations, repair and other personal services	21.6	-0.1	-1.2	0.5	4.4	-0.7	-3.5	2.0	0.04
- Water supply; sewage, waste management, materials recovery	1.8	1.2	-6.2	2.4	-1.6	10.7	-1.2	1.6	0.00

Retail Sales Index

□ In the fourth quarter of 2018, the Retail Sales Index of Seoul went up by 3.7% year-on-year.

(2015=100, volume, %, %p)

	Weights	2017	4Q	2018 ^P	1Q	2Q	3Q	4Q ^P	Contribution
Retail Sales Index	1000.0	105.9	113.4	111.8	107.3	111.8	110.3	117.6	-
Year-on-year	-	1.8	2.5	5.6	5.9	7.2	5.4	3.7	-
- Department stores	137.9	-5.8	-3.4	2.7	2.1	3.5	4.3	1.5	0.21
- Discount department stores	77.2	-1.2	0.4	-5.0	-1.6	-4.6	-4.4	-9.4	-0.61
- Duty-free shops	57.4	31.3	29.6	39.5	36.7	63.7	35.2	27.9	2.95
- Supermarkets, non-specialized stores and convenience stores	132.7	3.4	5.6	2.0	3.3	3.1	2.7	-1.2	-0.15
- Automobiles and automotive fuel	148.9	0.1	-5.6	3.0	-0.2	4.8	0.2	7.1	0.97
- Specialized stores	445.9	-0.5	1.6	2.1	4.0	0.9	2.7	0.8	0.35

2. Busan

Index of Services

- ☐ In the fourth quarter of 2018, the Index of Services for Busan rose by 2.7% year-on-year, which expanded by 2.3%p compared to a 0.4% increase in the third quarter of 2018.

(2015=100, volume, %, %p)

	Weights	2017	4Q	2018 ^P	1Q	2Q	3Q	4Q ^P	Contribution
Index of Services	1000.0	103.4	105.4	105.1	102.5	105.3	104.2	108.2	-
Year-on-year	-	1.5	0.1	1.6	1.3	2.2	0.4	2.7	-
- Wholesale and retail trade	227.9	-0.2	-1.3	0.4	0.6	0.7	-1.8	2.1	0.48
- Transportation and storage	159.2	4.0	2.5	3.5	-1.6	5.8	3.4	5.9	0.94
- Accommodation and food service activities	63.0	-3.3	-3.9	1.4	-0.4	0.7	3.1	2.3	0.14
- Information and communication	42.2	-2.5	-0.4	1.2	3.3	2.2	0.6	-0.8	-0.04
- Financial and insurance activities	112.1	3.0	4.3	2.9	5.7	5.9	0.9	-0.7	-0.09
- Real estate activities	32.2	4.4	-1.4	-1.3	-0.6	-1.9	-3.8	0.9	0.03
- Professional, scientific and technical activities	42.7	-7.4	-13.8	1.4	3.6	4.4	-5.4	2.5	0.09
- Business facilities management and business support services; rental and leasing activities	49.7	6.4	6.7	0.6	2.6	2.3	-1.3	-0.9	-0.05
- Education	104.2	-0.1	-0.3	-1.8	-3.3	-1.6	-1.9	-0.4	-0.04
- Human health and social work activities	111.5	5.6	2.4	4.5	6.2	0.9	3.6	7.7	0.94
- Arts, sports and recreation related services	15.9	1.2	3.8	3.3	-0.7	-2.3	9.7	6.1	0.10
- Membership organizations, repair and other personal services	30.6	0.3	-2.8	2.0	2.3	4.3	-1.0	2.5	0.08
- Water supply; sewage, waste management, materials recovery	8.9	-9.8	-12.6	2.1	-7.4	9.8	0.8	5.0	0.04

Retail Sales Index

- ☐ In the fourth quarter of 2018, the Retail Sales Index of Busan went down by 0.1% year-on-year.

(2015=100, volume, %, %p)

	Weights	2017	4Q	2018 ^P	1Q	2Q	3Q	4Q ^P	Contribution
Retail Sales Index	1000.0	101.1	104.8	101.9	101.7	102.0	99.4	104.7	-
Year-on-year	-	-0.2	-0.9	0.8	2.1	2.1	-0.5	-0.1	-
- Department stores	113.5	-1.9	0.3	3.1	2.0	4.6	6.4	0.3	0.03
- Discount department stores	97.6	-1.8	1.3	-3.4	-0.5	-1.8	-2.4	-8.9	-0.78
- Duty-free shops	26.8	-7.5	-11.1	4.7	1.7	18.8	0.7	-1.1	-0.03
- Supermarkets, non-specialized stores and convenience stores	138.5	3.4	2.6	-0.4	0.9	0.3	-0.2	-2.3	-0.33
- Automobiles and automotive fuel	249.6	3.0	-0.7	3.3	6.3	4.4	-1.4	3.8	1.00
- Specialized stores	374.0	-2.4	-2.3	-0.2	0.5	0.2	-1.9	0.1	0.04

3. Daegu

Index of Services

- ☐ In the fourth quarter of 2018, the Index of Services for Daegu rose by 2.3% year-on-year, which expanded by 1.5%p from a 0.8% increase in the third quarter of 2018.

(2015=100, volume, %, %p)

	Weights	2017	4Q	2018 ^P	1Q	2Q	3Q	4Q ^P	Contribution
Index of Services	1000.0	104.1	105.0	105.3	103.1	106.6	104.1	107.4	-
Year-on-year	-	1.5	-0.6	1.2	0.6	0.9	0.8	2.3	-
- Wholesale and retail trade	233.4	0.1	-1.2	0.0	-0.1	-0.7	-1.6	2.2	0.51
- Transportation and storage	67.8	1.7	2.2	-0.1	1.3	0.9	-0.6	-1.9	-0.13
- Accommodation and food service activities	65.7	-4.1	-4.7	0.0	-2.7	-0.8	1.4	2.3	0.14
- Information and communication	44.6	2.3	4.2	-4.3	0.2	-5.1	-4.6	-7.0	-0.34
- Financial and insurance activities	118.4	2.2	3.2	3.1	4.5	5.5	1.5	0.8	0.10
- Real estate activities	34.4	6.7	3.2	6.3	6.6	5.8	2.5	10.5	0.34
- Professional, scientific and technical activities	38.6	2.3	-4.6	1.8	-4.0	5.2	2.6	3.2	0.12
- Business facilities management and business support services; rental and leasing activities	43.7	3.8	5.2	1.5	2.8	2.4	-1.4	2.3	0.10
- Education	130.0	-1.7	-2.4	-1.5	-1.2	-1.3	-1.8	-1.5	-0.19
- Human health and social work activities	135.6	7.2	3.5	5.2	4.1	2.7	6.1	8.0	1.21
- Arts, sports and recreation related services	17.8	-0.8	-6.2	3.7	-1.8	3.5	4.0	9.3	0.15
- Membership organizations, repair and other personal services	60.1	1.5	-12.4	-1.8	-7.1	-3.1	1.1	2.6	0.15
- Water supply; sewage, waste management, materials recovery	10.0	-8.7	-12.6	1.5	-5.0	-1.6	4.9	7.8	0.07

Retail Sales Index

- ☐ In the fourth quarter of 2018, the Retail Sales Index of Daegu grew by 0.8% year-on-year.

(2015=100, volume, %, %p)

	Weights	2017	4Q	2018 ^P	1Q	2Q	3Q	4Q ^P	Contribution
Retail Sales Index	1000.0	101.8	105.4	102.1	100.6	102.7	98.8	106.2	-
Year-on-year	-	0.9	1.1	0.3	-0.2	-0.1	0.6	0.8	-
- Department stores	114.2	10.4	11.6	1.0	-0.6	2.5	3.3	-0.6	-0.09
- Discount department stores	94.4	-1.7	3.0	3.1	4.9	5.0	6.2	-3.7	-0.32
- Duty-free shops	-	-	-	-	-	-	-	-	-
- Supermarkets, non-specialized stores and convenience stores	128.8	3.2	3.4	2.8	4.4	3.6	3.3	-0.4	-0.05
- Automobiles and automotive fuel	267.3	0.2	-2.4	3.4	1.8	4.1	0.6	6.7	1.78
- Specialized stores	393.8	-1.8	-1.1	-3.8	-4.4	-6.3	-2.7	-1.7	-0.64

4. Incheon

Index of Services

- In the fourth quarter of 2018, the Index of Services for Incheon rose by 4.5% year-on-year, which expanded by 2.3%p from a 2.2% increase in the third quarter of 2018.

(2015=100, volume, %, %p)

	Weights	2017	4Q	2018 ^P	1Q	2Q	3Q	4Q ^P	Contribution
Index of Services	1000.0	106.2	107.5	109.1	105.3	108.7	110.2	112.3	-
Year-on-year	-	2.2	0.7	2.7	1.5	2.6	2.2	4.5	-
- Wholesale and retail trade	188.5	1.3	-0.3	0.8	1.5	0.8	-1.0	1.8	0.33
- Transportation and storage	219.8	2.1	3.4	6.2	1.3	6.7	7.8	8.6	1.92
- Accommodation and food service activities	70.1	-3.7	-7.8	-3.5	-8.0	-5.2	-0.8	-0.1	-0.01
- Information and communication	24.4	4.2	3.5	2.2	2.3	4.4	-0.3	2.4	0.06
- Financial and insurance activities	59.8	3.7	5.3	3.9	6.7	6.6	1.3	1.0	0.07
- Real estate activities	38.5	4.4	-2.3	2.8	4.2	5.0	-6.3	9.2	0.34
- Professional, scientific and technical activities	49.5	4.6	-3.6	0.2	3.9	-4.9	-2.8	5.0	0.24
- Business facilities management and business support services; rental and leasing activities	49.9	4.9	4.5	-0.7	1.2	-0.4	-2.7	-0.9	-0.05
- Education	120.0	-1.7	-3.5	1.4	0.0	4.1	0.9	0.7	0.08
- Human health and social work activities	107.9	7.7	5.6	5.5	4.2	2.6	6.6	8.9	1.06
- Arts, sports and recreation related services	19.6	4.5	3.2	8.0	1.3	10.0	7.1	13.1	0.25
- Membership organizations, repair and other personal services	35.5	0.9	-3.4	0.2	0.7	-2.2	-2.0	4.3	0.15
- Water supply; sewage, waste management, materials recovery	16.4	2.2	0.1	6.5	3.8	7.4	10.9	3.7	0.06

Retail Sales Index

- In the fourth quarter of 2018, the Retail Sales Index of Incheon went up by 3.0% year-on-year.

(2015=100, volume, %, %p)

	Weights	2017	4Q	2018 ^P	1Q	2Q	3Q	4Q ^P	Contribution
Retail Sales Index	1000.0	106.8	108.5	110.4	108.7	111.6	109.3	111.8	-
Year-on-year	-	1.7	1.1	3.4	4.6	3.1	2.4	3.0	-
- Department stores	42.7	-5.2	-4.0	-5.2	-7.3	-4.2	1.8	-9.5	-0.37
- Discount department stores	86.2	6.9	9.8	-5.6	-0.4	-3.5	-6.2	-12.2	-1.03
- Duty-free shops	96.6	2.7	4.5	11.8	11.8	20.5	7.0	8.6	0.95
- Supermarkets, non-specialized stores and convenience stores	136.6	5.8	8.1	3.2	4.4	2.7	5.4	0.3	0.05
- Automobiles and automotive fuel	325.9	0.9	-2.4	8.1	9.8	4.6	5.1	13.6	4.12
- Specialized stores	312.0	-0.1	-1.0	-1.2	-0.2	-1.3	-1.1	-2.2	-0.69

5. Gwangju

Index of Services

- ☐ In the fourth quarter of 2018, the Index of Services for Gwangju rose by 2.2% year-on-year, which expanded by 1.7%p compared to a 0.5% increase in the third quarter of 2018.

(2015=100, volume, %, %p)

	Weights	2017	4Q	2018 ^P	1Q	2Q	3Q	4Q ^P	Contribution
Index of Services	1000.0	104.7	106.8	106.5	104.4	106.5	105.7	109.2	-
Year-on-year	-	1.8	1.0	1.7	2.3	1.6	0.5	2.2	-
- Wholesale and retail trade	206.7	0.1	-0.6	0.7	0.9	0.1	-0.3	1.7	0.35
- Transportation and storage	70.1	0.1	-1.5	-1.4	0.8	1.8	-3.4	-4.6	-0.31
- Accommodation and food service activities	60.4	-1.8	-2.2	0.3	-2.2	-0.5	1.1	2.6	0.15
- Information and communication	49.9	3.1	9.1	-0.5	2.6	1.2	-4.2	-1.0	-0.06
- Financial and insurance activities	100.0	1.0	2.2	4.1	7.0	7.0	2.6	0.1	0.01
- Real estate activities	71.4	10.4	11.2	3.7	4.9	1.1	2.3	6.7	0.49
- Professional, scientific and technical activities	37.3	-0.5	-6.8	-0.6	0.6	-2.3	-2.2	1.8	0.06
- Business facilities management and business support services; rental and leasing activities	53.2	1.2	1.4	0.1	5.0	0.9	-1.8	-3.3	-0.18
- Education	136.5	-0.8	-0.9	0.5	-0.2	1.2	-0.5	1.4	0.18
- Human health and social work activities	142.6	6.3	1.6	4.6	3.7	1.9	4.2	8.8	1.34
- Arts, sports and recreation related services	20.9	0.5	5.0	1.8	2.4	1.6	2.2	1.4	0.03
- Membership organizations, repair and other personal services	41.5	-0.1	-2.4	4.8	4.3	6.9	4.2	4.0	0.17
- Water supply; sewage, waste management, materials recovery	9.5	4.4	-8.3	-2.7	-9.3	0.3	-10.5	8.9	0.08

Retail Sales Index

- ☐ In the fourth quarter of 2018, the Retail Sales Index of Gwangju went up by 0.2% year-on-year.

(2015=100, volume, %, %p)

	Weights	2017	4Q	2018 ^P	1Q	2Q	3Q	4Q ^P	Contribution
Retail Sales Index	1000.0	100.8	105.5	101.6	99.7	101.6	99.5	105.7	-
Year-on-year	-	-0.2	0.7	0.8	1.7	-0.5	1.9	0.2	-
- Department stores	90.0	-2.6	-0.6	0.8	-1.5	-1.3	5.2	1.3	0.12
- Discount department stores	80.9	-0.5	3.0	-4.6	1.7	-2.1	-5.4	-12.0	-0.92
- Duty-free shops	-	-	-	-	-	-	-	-	-
- Supermarkets, non-specialized stores and convenience stores	153.0	3.3	6.5	0.8	3.6	-0.4	3.1	-3.0	-0.48
- Automobiles and automotive fuel	233.5	0.6	-3.4	2.9	2.6	2.2	-0.3	7.1	1.66
- Specialized stores	442.4	-1.2	0.9	0.7	1.2	-1.5	3.9	-0.6	-0.25

6. Daejeon

Index of Services

- ☐ In the fourth quarter of 2018, the Index of Services for Daejeon rose by 2.0% year-on-year, which turned into an increase from a decrease in the third quarter of 2018.

(2015=100, volume, %, %p)

	Weights	2017	4Q	2018 ^P	1Q	2Q	3Q	4Q ^P	Contribution
Index of Services	1000.0	105.6	112.8	106.5	100.8	105.4	104.7	115.0	-
Year-on-year	-	1.4	0.9	0.9	1.3	0.8	-0.6	2.0	-
- Wholesale and retail trade	173.5	0.7	-1.0	0.4	1.2	0.4	-1.0	0.8	0.12
- Transportation and storage	79.0	2.7	2.2	0.5	-1.1	2.5	-1.1	1.5	0.11
- Accommodation and food service activities	54.6	1.8	1.4	-1.7	-0.7	-2.3	-3.3	-0.3	-0.01
- Information and communication	63.7	-0.9	1.5	2.0	4.2	-1.4	0.6	4.1	0.28
- Financial and insurance activities	78.0	3.2	2.8	2.6	4.0	4.6	1.2	0.4	0.03
- Real estate activities	23.9	-0.3	-8.1	3.0	-2.0	3.4	2.4	8.5	0.17
- Professional, scientific and technical activities	169.7	-1.9	1.5	1.2	4.8	3.4	-4.3	1.5	0.29
- Business facilities management and business support services; rental and leasing activities	55.7	1.7	1.8	0.2	2.7	1.5	-0.4	-2.8	-0.15
- Education	121.4	-0.1	-0.2	-2.1	-5.0	-1.2	-0.9	-1.4	-0.15
- Human health and social work activities	108.0	7.3	3.9	4.1	2.0	-0.2	5.3	9.1	1.01
- Arts, sports and recreation related services	19.4	-0.2	-1.3	0.2	-0.4	-1.4	-3.0	5.8	0.10
- Membership organizations, repair and other personal services	31.9	2.1	-2.4	0.0	5.7	-1.7	-3.8	0.3	0.01
- Water supply; sewage, waste management, materials recovery	21.2	8.7	2.7	1.9	1.8	-1.5	1.2	6.2	0.14

Retail Sales Index

- ☐ In the fourth quarter of 2018, the Retail Sales Index of Daejeon went down by 2.2% year-on-year.

(2015=100, volume, %, %p)

	Weights	2017	4Q	2018 ^P	1Q	2Q	3Q	4Q ^P	Contribution
Retail Sales Index	1000.0	102.8	107.8	102.4	101.0	102.0	101.4	105.4	-
Year-on-year	-	1.0	0.2	-0.4	1.4	-0.5	0.3	-2.2	-
- Department stores	107.0	-0.5	2.5	-0.7	1.8	-1.0	0.2	-3.4	-0.40
- Discount department stores	113.2	-1.0	0.7	-7.4	-2.6	-5.5	-5.8	-15.6	-1.62
- Duty-free shops	-	-	-	-	-	-	-	-	-
- Supermarkets, non-specialized stores and convenience stores	147.5	3.4	7.2	2.3	5.7	4.0	2.3	-2.3	-0.34
- Automobiles and automotive fuel	228.5	1.8	-2.7	3.1	2.0	0.8	2.2	6.8	1.59
- Specialized stores	403.4	0.2	-1.4	-1.1	0.7	-1.6	0.2	-3.6	-1.42

7. Ulsan

Index of Services

☐ In the fourth quarter of 2018, the Index of Services for Ulsan rose by 0.7% year-on-year.

(2015=100, volume, %, %p)

	Weights	2017	4Q	2018 ^P	1Q	2Q	3Q	4Q ^P	Contribution
Index of Services	1000.0	100.7	102.2	101.1	99.8	101.7	100.1	102.9	-
Year-on-year	-	-0.3	-1.6	0.4	0.3	0.7	0.0	0.7	-
- Wholesale and retail trade	195.5	-0.6	-1.7	-1.0	0.5	-1.4	-2.3	-0.8	-0.15
- Transportation and storage	131.7	-1.6	-2.9	1.6	-1.2	3.0	0.3	4.2	0.54
- Accommodation and food service activities	78.8	-5.5	-4.1	-2.6	-1.1	-1.1	-3.0	-5.3	-0.39
- Information and communication	30.4	2.3	10.1	5.8	3.6	8.5	9.9	2.1	0.08
- Financial and insurance activities	87.7	2.5	3.7	1.2	5.1	4.6	-0.1	-4.1	-0.39
- Real estate activities	23.4	-2.3	-2.2	-3.4	-0.1	-2.6	-6.7	-4.3	-0.09
- Professional, scientific and technical activities	59.9	-10.2	-12.6	4.3	-1.0	6.1	7.8	4.3	0.20
- Business facilities management and business support services; rental and leasing activities	57.0	2.5	-3.5	-1.1	-1.5	-1.7	-3.2	2.4	0.13
- Education	138.8	-2.0	-2.7	-2.5	-2.8	-2.1	-2.6	-2.5	-0.34
- Human health and social work activities	118.6	7.6	2.5	3.4	3.2	-0.5	5.3	5.6	0.75
- Arts, sports and recreation related services	22.1	1.3	1.5	1.2	-0.5	-0.3	2.5	3.0	0.06
- Membership organizations, repair and other personal services	37.8	-0.5	-4.3	0.2	1.2	-0.7	-4.2	3.8	0.15
- Water supply; sewage, waste management, materials recovery	18.5	-5.6	-10.3	3.5	-3.2	9.0	1.3	6.6	0.11

Retail Sales Index

☐ In the fourth quarter of 2018, the Retail Sales Index of Ulsan went down by 2.8% year-on-year, which declined from a 1.1% decrease in the third quarter of 2018.

(2015=100, volume, %, %p)

	Weights	2017	4Q	2018 ^P	1Q	2Q	3Q	4Q ^P	Contribution
Retail Sales Index	1000.0	97.9	101.7	97.1	97.2	96.5	95.8	98.9	-
Year-on-year	-	-1.4	-1.2	-0.8	2.2	-1.5	-1.1	-2.8	-
- Department stores	119.3	-5.9	-3.9	-4.9	-2.6	-6.4	-3.5	-6.8	-0.77
- Discount department stores	114.6	-2.6	5.4	-6.7	-0.4	-4.1	-5.6	-15.9	-1.76
- Duty-free shops	-	-	-	-	-	-	-	-	-
- Supermarkets, non-specialized stores and convenience stores	170.4	3.8	4.5	-0.2	2.1	-0.1	0.5	-3.4	-0.60
- Automobiles and automotive fuel	261.4	-1.9	-5.2	3.2	4.1	2.9	-0.6	6.7	1.75
- Specialized stores	333.4	-1.7	-1.8	-1.1	3.2	-3.3	-0.2	-3.9	-1.31

8. Gyeonggi

Index of Services

- ☐ In the fourth quarter of 2018, the Index of Services for Gyeonggi grew by 2.4% year-on-year, which expanded by 1.8%p compared to a 0.6% increase in the third quarter of 2018.

(2015=100, volume, %, %p)

	Weights	2017	4Q	2018 ^P	1Q	2Q	3Q	4Q ^P	Contribution
Index of Services	1000.0	105.7	108.1	107.7	103.3	109.3	107.3	110.7	-
Year-on-year	-	2.3	1.2	1.9	1.7	2.6	0.6	2.4	-
- Wholesale and retail trade	229.6	0.9	-0.8	1.1	1.9	1.1	-0.8	2.0	0.45
- Transportation and storage	69.9	3.9	-1.0	-0.3	-0.5	0.0	-2.5	1.9	0.14
- Accommodation and food service activities	68.9	-2.7	-5.4	-4.8	-5.9	-5.0	-4.4	-4.2	-0.26
- Information and communication	82.4	7.8	13.5	4.3	3.8	14.2	0.9	0.0	0.00
- Financial and insurance activities	65.8	8.1	5.7	4.0	5.8	5.2	0.9	4.3	0.30
- Real estate activities	33.9	9.5	1.0	5.9	8.5	4.5	2.3	8.5	0.30
- Professional, scientific and technical activities	103.1	-2.7	-2.4	4.3	1.1	6.1	3.7	6.0	0.56
- Business facilities management and business support services; rental and leasing activities	42.8	-1.4	-1.4	0.3	1.5	3.1	-1.3	-2.0	-0.08
- Education	122.6	0.1	-0.6	-1.2	-1.5	-1.5	-0.4	-1.1	-0.12
- Human health and social work activities	102.0	7.4	6.5	5.7	4.7	3.9	5.9	8.3	0.93
- Arts, sports and recreation related services	29.7	2.1	1.4	-2.3	1.0	-4.6	-0.7	-3.7	-0.11
- Membership organizations, repair and other personal services	35.5	1.6	-4.1	2.8	4.1	1.4	0.8	4.9	0.17
- Water supply; sewage, waste management, materials recovery	13.9	-2.9	-1.1	6.7	3.5	11.2	1.1	10.6	0.14

Retail Sales Index

- ☐ In the fourth quarter of 2018, the Retail Sales Index of Gyeonggi grew by 0.5% year-on-year.

(2015=100, volume, %, %p)

	Weights	2017	4Q	2018 ^P	1Q	2Q	3Q	4Q ^P	Contribution
Retail Sales Index	1000.0	104.1	107.6	106.5	102.8	108.1	106.8	108.1	-
Year-on-year	-	0.9	-0.3	2.3	3.9	2.7	2.2	0.5	-
- Department stores	67.3	-1.7	-1.6	1.6	1.6	1.2	4.0	0.0	0.00
- Discount department stores	116.2	0.2	2.3	-0.8	3.3	0.0	0.7	-6.9	-0.78
- Duty-free shops	-	-	-	-	-	-	-	-	-
- Supermarkets, non-specialized stores and convenience stores	182.1	4.1	2.1	3.9	4.8	4.6	5.7	0.4	0.07
- Automobiles and automotive fuel	266.3	-0.2	-3.8	5.3	7.7	6.2	2.1	5.6	1.48
- Specialized stores	367.9	0.6	0.8	0.4	1.5	0.3	0.5	-0.9	-0.31

9. Gangwon

Index of Services

☐ In the fourth quarter of 2018, the Index of Services for Gangwon grew by 1.1% year-on-year.

(2015=100, volume, %, %p)

	Weights	2017	4Q	2018 ^P	1Q	2Q	3Q	4Q ^P	Contribution
Index of Services	1000.0	104.7	106.5	106.8	103.9	106.2	109.3	107.7	-
Year-on-year	-	1.5	0.9	2.0	3.8	1.1	2.1	1.1	-
- Wholesale and retail trade	174.9	0.5	0.2	1.5	2.8	1.2	0.3	1.5	0.26
- Transportation and storage	71.3	-0.9	0.4	7.0	9.8	6.4	7.6	4.2	0.30
- Accommodation and food service activities	107.5	2.7	1.8	4.5	11.5	1.4	6.2	-0.7	-0.08
- Information and communication	54.7	-0.7	-1.5	2.4	4.7	-3.4	1.7	6.4	0.35
- Financial and insurance activities	70.6	4.5	7.7	6.1	11.5	9.9	3.5	-0.2	-0.01
- Real estate activities	20.6	10.4	7.9	-0.3	1.9	0.8	-3.4	0.0	0.00
- Professional, scientific and technical activities	33.1	-4.4	-6.7	2.3	2.6	-1.5	5.2	4.0	0.13
- Business facilities management and business support services; rental and leasing activities	50.3	3.8	6.5	1.1	3.5	2.6	-0.2	-1.2	-0.07
- Education	165.7	-1.5	-2.1	0.7	0.9	-0.3	1.9	0.3	0.05
- Human health and social work activities	117.4	6.0	4.2	3.7	0.3	1.2	7.2	5.8	0.73
- Arts, sports and recreation related services	74.3	-1.2	-2.3	-9.0	-4.2	-8.2	-11.9	-11.2	-0.77
- Membership organizations, repair and other personal services	40.7	3.1	0.6	2.1	3.8	2.9	-0.8	2.5	0.11
- Water supply; sewage, waste management, materials recovery	18.8	0.6	-3.4	4.9	1.3	7.7	6.8	3.8	0.07

Retail Sales Index

☐ In the fourth quarter of 2018, the Retail Sales Index of Gangwon rose by 0.6% year-on-year.

(2015=100, volume, %, %p)

	Weights	2017	4Q	2018 ^P	1Q	2Q	3Q	4Q ^P	Contribution
Retail Sales Index	1000.0	103.9	107.2	106.4	100.5	106.5	110.6	107.8	-
Year-on-year	-	1.5	2.8	2.4	5.1	1.8	2.4	0.6	-
- Department stores	-	-	-	-	-	-	-	-	-
- Discount department stores	84.2	-0.2	4.2	-3.1	1.6	-1.5	-0.9	-11.0	-0.87
- Duty-free shops	-	-	-	-	-	-	-	-	-
- Supermarkets, non-specialized stores and convenience stores	240.0	4.2	7.9	3.5	7.7	3.9	3.7	-1.0	-0.25
- Automobiles and automotive fuel	294.7	2.5	1.2	3.7	7.5	2.8	0.0	5.4	1.68
- Specialized stores	363.1	-1.1	0.4	1.7	2.5	0.3	4.1	0.3	0.10

10. Chungbuk

Index of Services

□ In the fourth quarter of 2018, the Index of Services for Chungbuk grew by 2.7% year-on-year.

(2015=100, volume, %, %p)

	Weights	2017	4Q	2018 ^P	1Q	2Q	3Q	4Q ^P	Contribution
Index of Services	1000.0	105.4	107.0	107.1	102.8	108.2	107.4	109.9	-
Year-on-year	-	2.2	1.0	1.6	0.8	1.0	1.8	2.7	-
- Wholesale and retail trade	190.3	0.3	-0.7	0.2	1.6	-0.9	-1.0	1.1	0.20
- Transportation and storage	85.9	3.5	0.4	-0.2	-2.9	1.3	1.4	-0.3	-0.02
- Accommodation and food service activities	81.4	-1.1	2.0	0.8	-2.7	0.4	3.0	2.0	0.16
- Information and communication	48.4	0.8	1.2	1.2	2.1	0.6	-0.9	2.7	0.13
- Financial and insurance activities	76.6	5.5	7.5	7.5	8.5	9.5	7.1	4.7	0.39
- Real estate activities	20.0	7.4	6.0	2.3	5.4	0.8	-1.8	5.1	0.10
- Professional, scientific and technical activities	48.4	5.3	-3.1	-0.2	-2.3	-6.3	5.4	4.2	0.20
- Business facilities management and business support services; rental and leasing activities	57.9	3.3	3.7	0.3	2.6	-0.5	-1.5	0.6	0.04
- Education	162.6	1.0	0.2	0.5	-1.1	1.5	0.6	1.1	0.17
- Human health and social work activities	126.0	6.2	5.2	4.8	1.8	1.5	6.8	9.1	1.22
- Arts, sports and recreation related services	29.8	0.3	-1.0	-1.6	1.4	-0.3	-3.0	-3.9	-0.11
- Membership organizations, repair and other personal services	42.6	-0.2	-5.0	1.3	0.5	4.0	-1.0	1.7	0.08
- Water supply; sewage, waste management, materials recovery	30.3	-4.1	-9.4	1.8	-2.3	2.1	-0.2	7.2	0.21

Retail Sales Index

□ In the fourth quarter of 2018, the Retail Sales Index of Chungbuk grew by 0.2% year-on-year.

(2015=100, volume, %, %p)

	Weights	2017	4Q	2018 ^P	1Q	2Q	3Q	4Q ^P	Contribution
Retail Sales Index	1000.0	103.1	109.0	104.1	100.5	102.0	104.7	109.2	-
Year-on-year	-	1.0	1.5	1.0	3.3	-0.5	1.2	0.2	-
- Department stores	-	-	-	-	-	-	-	-	-
- Discount department stores	71.8	-2.8	2.2	-3.0	-0.1	-0.1	-1.4	-10.4	-0.68
- Duty-free shops	-	-	-	-	-	-	-	-	-
- Supermarkets, non-specialized stores and convenience stores	196.5	6.1	10.0	3.5	5.7	2.8	5.5	0.3	0.05
- Automobiles and automotive fuel	328.4	2.7	2.1	2.6	4.7	2.5	0.3	3.1	1.08
- Specialized stores	367.7	-2.6	-3.9	-1.2	1.6	-5.3	-0.4	-0.8	-0.27

* From the third quarter of 2015, data for 'Department stores' were not released due to the low number of department stores (less than 3 department stores) in Chungbuk.

11. Chungnam

Index of Services

- ☐ In the fourth quarter of 2018, the Index of Services for Chungnam grew by 2.9% year-on-year, which turned into a rise from a drop in the third quarter of 2018.

(2015=100, volume, %, %p)

	Weights	2017	4Q	2018 ^P	1Q	2Q	3Q	4Q ^P	Contribution
Index of Services	1000.0	104.5	105.1	106.0	102.0	107.4	106.3	108.1	-
Year-on-year	-	2.2	0.0	1.4	0.8	2.2	-0.1	2.9	-
- Wholesale and retail trade	190.9	1.3	0.8	0.0	1.2	0.1	-0.8	-0.2	-0.04
- Transportation and storage	89.2	3.4	-4.4	1.1	-1.2	1.5	-1.6	6.0	0.52
- Accommodation and food service activities	82.3	-0.5	-2.3	-4.2	-9.1	-5.2	-1.0	-1.7	-0.13
- Information and communication	41.7	0.9	3.2	2.4	2.8	2.4	1.7	2.6	0.11
- Financial and insurance activities	69.0	6.7	6.4	7.7	8.4	8.8	7.2	6.6	0.50
- Real estate activities	22.2	6.8	3.4	3.2	2.2	5.0	1.7	4.2	0.09
- Professional, scientific and technical activities	40.4	10.0	-0.9	2.3	-1.0	13.1	-8.2	4.7	0.19
- Business facilities management and business support services; rental and leasing activities	53.2	1.0	3.0	-1.3	2.1	-2.4	-2.3	-2.3	-0.13
- Education	192.1	-0.9	-1.3	2.1	1.9	5.9	0.0	0.5	0.09
- Human health and social work activities	124.3	6.2	3.2	4.1	2.4	0.9	3.8	9.0	1.22
- Arts, sports and recreation related services	23.9	1.9	-3.5	1.2	-2.3	1.2	-5.7	12.0	0.27
- Membership organizations, repair and other personal services	43.0	-0.7	-4.0	1.0	0.0	1.9	-2.4	4.2	0.18
- Water supply; sewage, waste management, materials recovery	27.9	-3.1	-7.7	-5.6	-3.8	-7.0	-7.8	-3.4	-0.09

Retail Sales Index

- ☐ In the fourth quarter of 2018, the Retail Sales Index of Chungnam fell by 1.3% year-on-year.

(2015=100, volume, %, %p)

	Weights	2017	4Q	2018 ^P	1Q	2Q	3Q	4Q ^P	Contribution
Retail Sales Index	1000.0	104.9	110.9	105.9	101.4	105.5	107.3	109.5	-
Year-on-year	-	2.1	3.0	1.0	2.7	1.3	1.4	-1.3	-
- Department stores	-	-	-	-	-	-	-	-	-
- Discount department stores	77.4	6.3	10.0	-2.2	5.4	-1.5	-2.5	-9.6	-0.72
- Duty-free shops	-	-	-	-	-	-	-	-	-
- Supermarkets, non-specialized stores and convenience stores	214.4	5.9	9.9	2.3	6.1	3.6	3.1	-3.2	-0.72
- Automobiles and automotive fuel	328.5	1.5	-0.3	3.3	3.4	3.6	0.7	5.0	1.69
- Specialized stores	344.1	-0.9	0.4	-1.2	-0.6	-1.9	1.7	-3.9	-1.27

12. Jeonbuk

Index of Services

- ☐ In the fourth quarter of 2018, the Index of Services for Jeonbuk grew by 0.8% year-on-year, which turned into an increase from a decrease in the third quarter of 2018.

(2015=100, volume, %, %p)

	Weights	2017	4Q	2018 ^P	1Q	2Q	3Q	4Q ^P	Contribution
Index of Services	1000.0	103.3	104.6	103.4	100.8	104.7	102.7	105.4	-
Year-on-year	-	1.4	0.1	0.1	0.2	0.4	-0.8	0.8	-
- Wholesale and retail trade	191.7	-0.5	-2.2	-0.3	0.3	0.2	-2.3	0.9	0.16
- Transportation and storage	77.7	5.0	3.8	-2.1	-4.2	-1.1	-1.8	-1.4	-0.11
- Accommodation and food service activities	75.7	-4.4	-1.9	-4.6	-8.7	-2.5	-1.6	-5.7	-0.41
- Information and communication	40.5	-0.9	-0.1	3.7	2.2	3.4	2.4	6.2	0.25
- Financial and insurance activities	106.2	3.8	6.1	4.6	6.8	6.4	3.4	1.8	0.20
- Real estate activities	21.0	5.1	2.0	1.8	4.3	-1.3	-0.1	4.2	0.09
- Professional, scientific and technical activities	43.2	-1.7	-6.1	-2.0	2.8	-3.1	-8.2	0.9	0.04
- Business facilities management and business support services; rental and leasing activities	38.4	1.0	-1.0	-1.5	-1.7	0.4	-4.2	-0.4	-0.01
- Education	160.8	0.1	-1.3	-0.6	-1.2	-1.0	0.2	-0.5	-0.08
- Human health and social work activities	151.2	4.1	2.6	2.3	2.3	0.3	2.7	4.2	0.68
- Arts, sports and recreation related services	24.6	6.2	2.7	-3.5	-3.1	2.4	-8.2	-4.9	-0.13
- Membership organizations, repair and other personal services	45.1	1.6	-5.0	-1.4	-0.8	-2.8	-3.5	1.5	0.07
- Water supply; sewage, waste management, materials recovery	24.0	-0.2	-2.1	-0.2	6.4	2.8	-7.6	-1.2	-0.03

Retail Sales Index

- ☐ In the fourth quarter of 2018, the Retail Sales Index of Jeonbuk went down by 1.2% year-on-year.

(2015=100, volume, %, %p)

	Weights	2017	4Q	2018 ^P	1Q	2Q	3Q	4Q ^P	Contribution
Retail Sales Index	1000.0	101.3	103.8	101.0	98.0	102.7	100.5	102.6	-
Year-on-year	-	-0.7	-1.2	-0.3	1.0	0.3	-1.3	-1.2	-
- Department stores	-	-	-	-	-	-	-	-	-
- Discount department stores	77.4	-2.6	2.1	-2.7	3.1	-0.1	-4.0	-9.1	-0.65
- Duty-free shops	-	-	-	-	-	-	-	-	-
- Supermarkets, non-specialized stores and convenience stores	177.0	0.5	0.9	-0.4	1.8	0.2	0.8	-4.3	-0.75
- Automobiles and automotive fuel	303.8	0.4	-0.1	2.9	2.3	3.6	2.1	3.4	1.08
- Specialized stores	416.7	-1.7	-3.6	-1.9	-0.7	-1.3	-3.8	-1.7	-0.68

13. Jeonnam

Index of Services

- ☐ In the fourth quarter of 2018, the Index of Services for Jeonnam rose by 2.5% year-on-year, expanding by 1.6%p from a 0.9% increase in the third quarter of 2018.

(2015=100, volume, %, %p)

	Weights	2017	4Q	2018 ^P	1Q	2Q	3Q	4Q ^P	Contribution
Index of Services	1000.0	103.5	104.7	104.9	101.6	105.0	105.6	107.3	-
Year-on-year	-	0.9	-0.3	1.4	0.9	1.2	0.9	2.5	-
- Wholesale and retail trade	182.5	-1.1	-1.8	0.2	0.5	0.2	-1.4	1.3	0.23
- Transportation and storage	110.3	2.7	1.8	-1.7	-5.1	0.5	-1.6	-0.6	-0.07
- Accommodation and food service activities	75.6	2.1	0.3	0.4	-0.6	-0.6	-0.9	3.6	0.27
- Information and communication	46.4	0.8	1.9	4.5	4.2	3.4	4.5	5.6	0.27
- Financial and insurance activities	80.5	8.3	8.9	3.0	6.7	4.4	1.4	-0.3	-0.02
- Real estate activities	18.2	10.8	10.1	4.3	3.0	5.6	2.4	6.3	0.13
- Professional, scientific and technical activities	36.0	-8.9	-13.1	3.1	-1.8	2.2	7.0	5.0	0.17
- Business facilities management and business support services; rental and leasing activities	48.8	-1.6	-0.5	-0.5	2.6	-2.3	-4.9	2.5	0.12
- Education	155.2	-1.9	-2.8	0.0	-0.6	-0.1	1.5	-0.6	-0.09
- Human health and social work activities	150.0	3.3	2.5	2.8	4.0	0.3	1.9	4.9	0.76
- Arts, sports and recreation related services	28.6	1.5	-4.0	6.9	-1.5	5.2	8.4	14.1	0.40
- Membership organizations, repair and other personal services	40.3	0.1	0.7	3.3	4.1	5.2	0.9	3.2	0.13
- Water supply; sewage, waste management, materials recovery	27.9	-11.6	-19.7	6.0	-4.3	7.3	8.5	11.7	0.27

Retail Sales Index

- ☐ In the fourth quarter of 2018, the Retail Sales Index of Jeonnam rose by 0.6% year-on-year.

(2015=100, volume, %, %p)

	Weights	2017	4Q	2018 ^P	1Q	2Q	3Q	4Q ^P	Contribution
Retail Sales Index	1000.0	100.2	103.8	101.9	99.2	101.1	102.9	104.4	-
Year-on-year	-	-1.0	-0.3	1.7	3.0	2.3	1.2	0.6	-
- Department stores	-	-	-	-	-	-	-	-	-
- Discount department stores	68.8	-5.5	-1.4	-6.2	-5.1	-2.8	-4.7	-12.1	-0.74
- Duty-free shops	-	-	-	-	-	-	-	-	-
- Supermarkets, non-specialized stores and convenience stores	205.2	1.8	4.9	2.8	3.7	3.9	4.3	-0.8	-0.16
- Automobiles and automotive fuel	324.4	1.2	0.6	4.4	7.3	5.9	2.3	2.5	0.91
- Specialized stores	392.6	-3.6	-3.3	0.1	0.3	-0.6	-0.6	1.5	0.53

14. Gyeongbuk

Index of Services

□ In the fourth quarter of 2018, the Index of Services for Gyeongbuk grew by 1.4% year-on-year.

(2015=100, volume, %, %p)

	Weights	2017	4Q	2018 ^P	1Q	2Q	3Q	4Q ^P	Contribution
Index of Services	1000.0	103.1	104.6	103.9	101.1	104.5	104.0	106.1	-
Year-on-year	-	1.5	0.9	0.8	0.5	0.9	0.6	1.4	-
- Wholesale and retail trade	187.9	-0.2	-0.6	-0.5	-0.3	-0.7	-1.4	0.4	0.07
- Transportation and storage	98.0	4.3	5.0	-1.4	-1.7	1.4	-3.4	-2.1	-0.22
- Accommodation and food service activities	79.5	0.1	0.5	0.1	-1.6	0.3	1.4	0.4	0.03
- Information and communication	40.9	-0.4	0.8	3.9	3.7	2.5	4.3	5.1	0.21
- Financial and insurance activities	76.7	4.7	4.8	4.7	6.0	6.8	2.8	3.2	0.26
- Real estate activities	18.8	2.9	3.5	3.1	1.8	3.1	1.7	5.5	0.10
- Professional, scientific and technical activities	46.3	0.6	0.9	0.8	-1.2	0.4	0.9	2.9	0.14
- Business facilities management and business support services; rental and leasing activities	43.5	-0.3	0.2	0.4	-1.7	1.1	0.6	1.3	0.06
- Education	176.0	-0.1	-1.7	-0.7	-1.5	-1.2	-0.1	0.0	0.00
- Human health and social work activities	125.8	5.3	4.7	3.0	4.2	1.5	2.5	3.7	0.51
- Arts, sports and recreation related services	31.0	1.2	-4.1	2.8	-2.1	0.2	6.6	5.4	0.16
- Membership organizations, repair and other personal services	40.7	2.1	-1.2	2.3	3.9	0.0	2.4	3.0	0.12
- Water supply; sewage, waste management, materials recovery	34.9	-5.2	-6.0	-1.2	-4.2	0.0	-2.4	1.7	0.06

Retail Sales Index

□ In the fourth quarter of 2018, the Retail Sales Index of Gyeongbuk dropped by 1.3% year-on-year.

(2015=100, volume, %, %p)

	Weights	2017	4Q	2018 ^P	1Q	2Q	3Q	4Q ^P	Contribution
Retail Sales Index	1000.0	100.9	104.4	100.6	97.8	100.0	101.5	103.0	-
Year-on-year	-	-0.2	1.3	-0.3	0.3	-0.3	0.3	-1.3	-
- Department stores	-	-	-	-	-	-	-	-	-
- Discount department stores	80.2	-1.2	5.5	-3.7	1.8	-2.6	-1.5	-12.3	-0.92
- Duty-free shops	-	-	-	-	-	-	-	-	-
- Supermarkets, non-specialized stores and convenience stores	208.7	4.5	8.1	-0.9	0.3	0.8	-0.7	-4.1	-0.88
- Automobiles and automotive fuel	345.9	-0.5	-0.8	1.5	3.6	0.4	-0.2	2.7	0.99
- Specialized stores	350.2	-2.2	-0.9	-0.8	-2.9	-0.8	2.1	-1.3	-0.44

15. Gyeongnam

Index of Services

- ☐ In the fourth quarter of 2018, the Index of Services for Gyeongnam grew by 2.3% year-on-year, turning into a rise from a drop in the third quarter of 2018.

(2015=100, volume, %, %p)

	Weights	2017	4Q	2018 ^P	1Q	2Q	3Q	4Q ^P	Contribution
Index of Services	1000.0	103.1	103.4	103.8	101.2	104.1	104.2	105.8	-
Year-on-year	-	0.9	-0.7	0.7	0.6	0.7	-0.9	2.3	-
- Wholesale and retail trade	200.9	-0.3	-1.9	-0.5	0.3	-0.5	-2.9	1.1	0.21
- Transportation and storage	94.8	-1.6	-2.2	3.6	3.0	2.0	3.5	5.8	0.53
- Accommodation and food service activities	79.8	-1.4	-3.2	-4.4	-3.2	-6.1	-4.8	-3.1	-0.23
- Information and communication	40.4	-1.2	0.3	3.5	3.8	3.8	2.2	4.1	0.16
- Financial and insurance activities	103.3	2.9	3.2	3.0	3.9	4.6	1.5	1.7	0.19
- Real estate activities	26.4	2.3	-0.5	-2.1	-1.1	-3.3	-5.8	2.4	0.06
- Professional, scientific and technical activities	49.3	-4.1	-6.6	-0.7	-3.8	6.4	-9.9	4.4	0.19
- Business facilities management and business support services; rental and leasing activities	42.6	-1.4	-1.9	-0.4	-0.6	1.3	-4.2	1.9	0.08
- Education	139.9	0.2	-1.0	-2.9	-3.1	-2.7	-3.0	-2.7	-0.37
- Human health and social work activities	136.7	7.8	5.9	3.5	3.4	1.7	3.5	5.1	0.79
- Arts, sports and recreation related services	24.3	1.5	-2.8	7.9	0.8	3.1	8.8	19.1	0.43
- Membership organizations, repair and other personal services	39.9	-0.1	-3.7	1.4	2.0	2.0	-1.9	3.1	0.12
- Water supply; sewage, waste management, materials recovery	21.7	-0.8	-10.0	3.1	-1.6	3.8	0.7	9.1	0.20

Retail Sales Index

- ☐ In the fourth quarter of 2018, the Retail Sales Index of Gyeongnam fell by 0.5% year-on-year.

(2015=100, volume, %, %p)

	Weights	2017	4Q	2018 ^P	1Q	2Q	3Q	4Q ^P	Contribution
Retail Sales Index	1000.0	99.7	102.3	99.0	98.0	98.4	97.7	101.8	-
Year-on-year	-	-1.3	-2.5	-0.7	0.6	-0.5	-2.3	-0.5	-
- Department stores	42.5	-1.2	-1.4	-4.4	-5.4	-7.4	-0.1	-4.5	-0.22
- Discount department stores	76.8	-1.4	1.8	-3.4	1.0	-0.7	-2.5	-11.3	-0.86
- Duty-free shops	-	-	-	-	-	-	-	-	-
- Supermarkets, non-specialized stores and convenience stores	203.2	0.8	0.4	-1.3	1.6	-1.4	-1.7	-3.5	-0.70
- Automobiles and automotive fuel	346.5	-2.4	-5.3	1.2	0.2	1.6	-1.0	4.0	1.39
- Specialized stores	331.0	-1.4	-2.3	-1.2	0.7	-0.9	-4.3	-0.2	-0.06

16. Jeju

Index of Services

□ In the fourth quarter of 2018, the Index of Services for Jeju rose by 1.8% year-on-year.

(2015=100, volume, %, %p)

	Weights	2017	4Q	2018 ^P	1Q	2Q	3Q	4Q ^P	Contribution
Index of Services	1000.0	112.5	112.3	115.4	116.0	114.9	116.2	114.3	-
Year-on-year	-	4.7	4.3	2.6	5.5	3.0	0.2	1.8	-
- Wholesale and retail trade	189.6	0.4	0.1	3.2	1.7	6.5	0.5	4.1	0.74
- Transportation and storage	82.2	3.6	4.9	1.2	5.9	1.0	-2.4	0.9	0.08
- Accommodation and food service activities	135.7	-3.1	-4.5	0.1	-4.4	3.1	-1.6	2.9	0.36
- Information and communication	117.1	21.2	19.7	3.4	23.2	-5.3	-1.7	-8.3	-1.01
- Financial and insurance activities	76.5	14.4	13.6	11.0	14.0	14.6	7.3	8.8	0.82
- Real estate activities	16.8	14.6	23.3	2.7	-0.3	7.5	8.4	-3.4	-0.07
- Professional, scientific and technical activities	36.7	6.7	7.9	2.7	2.1	5.4	-5.1	7.3	0.27
- Business facilities management and business support services; rental and leasing activities	58.1	-1.4	-3.1	1.2	-3.4	3.2	2.2	2.4	0.13
- Education	105.4	0.8	1.6	0.4	-2.2	-0.4	1.8	2.6	0.24
- Human health and social work activities	92.5	5.2	6.3	4.3	6.1	3.3	3.8	4.1	0.39
- Arts, sports and recreation related services	49.5	-0.3	-4.9	-7.1	-3.2	-6.5	-9.3	-8.9	-0.40
- Membership organizations, repair and other personal services	31.4	3.3	7.6	4.4	6.5	9.0	-2.3	5.3	0.16
- Water supply; sewage, waste management, materials recovery	8.6	-4.0	-10.3	-1.1	-15.3	3.3	1.5	7.0	0.06

Retail Sales Index

□ In the fourth quarter of 2018, the Retail Sales Index of Jeju rose by 10.4% year-on-year.

(2015=100, volume, %, %p)

	Weights	2017	4Q	2018 ^P	1Q	2Q	3Q	4Q ^P	Contribution
Retail Sales Index	1000.0	113.1	115.3	125.5	115.2	127.8	131.8	127.3	-
Year-on-year	-	2.3	2.9	11.0	6.6	17.8	9.6	10.4	-
- Department stores	-	-	-	-	-	-	-	-	-
- Discount department stores	80.9	-0.9	2.9	-5.0	-2.1	-2.3	-4.5	-10.4	-0.77
- Duty-free shops	195.0	1.3	2.5	32.7	13.0	57.9	32.9	31.0	7.51
- Supermarkets, non-specialized stores and convenience stores	188.3	8.1	11.0	5.9	9.5	8.2	5.7	0.7	0.13
- Automobiles and automotive fuel	220.0	5.9	3.7	12.9	12.7	14.4	10.5	14.6	3.13
- Specialized stores	315.9	-2.6	-2.4	-1.1	-3.0	2.3	-4.8	1.5	0.41

17. Sejong

Index of Services and Retail Sales Index

☐ (Index of Services)

As for the Index of Services for Sejong in the fourth quarter of 2018, 'Real estate activities' dropped by 5.3%, while 'Human health and social work activities' rose by 15.5%, year-on-year.

☐ (Retail Sales Index)

As for the Retail Sales Index of Sejong in the fourth quarter of 2018, 'Discount department stores' and 'Automobiles and automotive fuel' rose by 100.3% and 16.4%, respectively, year-on-year.

(Year-on-year, %)

		Weights	2017	4Q	2018 ^P	1Q	2Q	3Q	4Q ^P
Index of Services	- Real estate activities	66.8	26.0	28.6	1.9	13.8	7.0	-6.7	-5.3
	- Human health and social work activities	84.2	15.2	13.5	13.7	13.4	10.6	15.1	15.5
Retail Sales Index	- Discount department stores	155.0	10.2	13.8	47.1	17.2	10.9	56.3	100.3
	- Automobiles and automotive fuel	338.3	7.4	0.6	15.2	12.3	18.0	13.7	16.4

The Index of Service and Retail Sales Index by Province in 2018

1. Seoul

☐ (Index of Services)

In 2018, the Index of Services for Seoul rose by 3.2% year-on-year due to the rise in 'Financial and insurance activities' (7.8%), 'Wholesale and retail trade' (2.1%) and 'Human health and social work activities' (4.7%) despite the drop in 'Accommodation and food service activities' (-1.9%).

☐ (Retail Sales Index)

In 2018, the Retail Sales Index of Seoul went up by 5.6% year-on-year owing to the rise in 'Duty-free shops' (39.5%), 'Specialized stores' (2.1%) and 'Automobiles and automotive fuel' (3.0%) in spite of the drop in 'Discount department stores' (-5.0%).

2. Busan

☐ (Index of Services)

In 2018, the Index of Services for Busan rose by 1.6% year-on-year due to the rise in 'Human health and social work activities' (4.5%), 'Transportation and storage' (3.5%) and 'Financial and insurance activities' (2.9%) despite the drop in 'Education' (-1.8%) and 'Real estate activities' (-1.3%).

☐ (Retail Sales Index)

In 2018, the Retail Sales Index of Busan went up by 0.8% year-on-year owing to the rise in 'Automobiles and automotive fuel' (3.3%), 'Department stores' (3.1%) and 'Duty-free shops' (4.7%) despite the drop in 'Discount department stores' (-3.4%) and 'Specialized stores' (-0.2%).

3. Daegu

☐ (Index of Services)

In 2018, the Index of Services for Daegu rose by 1.2% year-on-year due to the rise in 'Human health and social work activities' (5.2%), 'Financial and insurance activities' (3.1%) and 'Real estate activities' (6.3%) despite the drop in 'Information and communication' (-4.3%) and 'Education' (-1.5%).

☐ (Retail Sales Index)

In 2018, the Retail Sales Index of Daegu went up by 0.3% year-on-year owing to the rise in 'Automobiles and automotive fuel' (3.4%) and 'Supermarkets, non-specialized stores and convenience stores' (2.8%) in spite of the drop in 'Specialized stores' (-3.8%).

4. Incheon

☐ (Index of Services)

In 2018, the Index of Services for Incheon rose by 2.7% year-on-year due to the rise in 'Transportation and storage' (6.2%), 'Human health and social work activities' (5.5%) and 'Financial and insurance activities' (3.9%) despite the drop in 'Accommodation and food service activities' (-3.5%) and 'Business facilities management and business support services; rental and leasing activities' (-0.7%).

☐ (Retail Sales Index)

In 2018, the Retail Sales Index of Incheon went up by 3.4% year-on-year owing to the rise in 'Automobiles and automotive fuel' (8.1%) and 'Duty-free shops' (11.8%) in spite of the drop in 'Discount department stores' (-5.6%) and 'Department stores' (-5.2%).

5. Gwangju

☐ (Index of Services)

In 2018, the Index of Services for Gwangju rose by 1.7% year-on-year due to the rise in 'Human health and social work activities' (4.6%), 'Financial and insurance activities' (4.1%) and 'Real estate activities' (3.7%) despite the drop in 'Transportation and storage' (-1.4%) and 'Water supply; sewage, waste management, materials recovery' (-2.7%).

☐ (Retail Sales Index)

In 2018, the Retail Sales Index of Gwangju increased by 0.8% year-on-year owing to the rise in 'Automobiles and automotive fuel' (2.9%) and 'Specialized stores' (0.7%) in spite of the drop in 'Discount department stores' (-4.6%).

6. Daejeon

☐ (Index of Services)

In 2018, the Index of Services for Daejeon grew by 0.9% year-on-year due to the rise in 'Human health and social work activities' (4.1%), 'Financial and insurance activities' (2.6%) and 'Professional, scientific and technical activities' (1.2%) despite the drop in 'Education' (-2.1%) and 'Accommodation and food service activities' (-1.7%).

☐ (Retail Sales Index)

In 2018, the Retail Sales Index of Daejeon declined by 0.4% year-on-year owing to the drop in 'Discount department stores' (-7.4%) and 'Specialized stores' (-1.1%) despite the rise in 'Automobiles and automotive fuel' (3.1%) and 'Supermarkets, non-specialized stores and convenience stores' (2.3%).

7. Ulsan

☐ (Index of Services)

In 2018, the Index of Services for Ulsan rose by 0.4% year-on-year due to the rise in 'Human health and social work activities' (3.4%), 'Professional, scientific and technical activities' (4.3%) and 'Transportation and storage' (1.6%) despite the drop in 'Education' (-2.5%) and 'Accommodation and food service activities' (-2.6%).

☐ (Retail Sales Index)

In 2018, the Retail Sales Index of Ulsan fell by 0.8% year-on-year owing to the drop in 'Discount department stores' (-6.7%) and 'Department stores' (-4.9%) in spite of the rise in 'Automobiles and automotive fuel' (3.2%).

8. Gyeonggi

☐ (Index of Services)

In 2018, the Index of Services for Gyeonggi rose by 1.9% year-on-year due to the rise in 'Human health and social work activities' (5.7%), 'Professional, scientific and technical activities' (4.3%) and 'Information and communication' (4.3%) despite the drop in 'Accommodation and food service activities' (-4.8%) and 'Education' (-1.2%).

☐ (Retail Sales Index)

In 2018, the Retail Sales Index of Gyeonggi went up by 2.3% year-on-year owing to the rise in 'Automobiles and automotive fuel' (5.3%) and 'Supermarkets, non-specialized stores and convenience stores' (3.9%) in spite of the drop in 'Discount department stores' (-0.8%).

9. Gangwon

☐ (Index of Services)

In 2018, the Index of Services for Gangwon rose by 2.0% year-on-year due to the rise in 'Transportation and storage' (7.0%), 'Accommodation and food service activities' (4.5%) and 'Human health and social work activities' (3.7%) in spite of the drop in 'Arts, sports and recreation related services' (-9.0%) and 'Real estate activities' (-0.3%).

☐ (Retail Sales Index)

In 2018, the Retail Sales Index of Gangwon grew by 2.4% year-on-year owing to the rise in 'Automobiles and automotive fuel' (3.7%) and 'Supermarkets, non-specialized stores and convenience stores' (3.5%) despite the drop in 'Discount department stores' (-3.1%).

10. Chungbuk

☐ (Index of Services)

In 2018, the Index of Services for Chungbuk rose by 1.6% year-on-year due to the rise in 'Human health and social work activities' (4.8%), 'Financial and insurance activities' (7.5%) and 'Education' (0.5%) despite the drop in 'Arts, sports and recreation related services' (-1.6%) and 'Transportation and storage' (-0.2%).

☐ (Retail Sales Index)

In 2018, the Retail Sales Index of Chungbuk rose by 1.0% year-on-year owing to the rise in 'Automobiles and automotive fuel' (2.6%) and 'Supermarkets, non-specialized stores and convenience stores' (3.5%) despite the drop in 'Specialized stores' (-1.2%) and 'Discount department stores' (-3.0%).

11. Chungnam

☐ (Index of Services)

In 2018, the Index of Services for Chungnam grew by 1.4% year-on-year due to the rise in 'Financial and insurance activities' (7.7%), 'Human health and social work activities' (4.1%) and 'Education' (2.1%) despite the drop in 'Accommodation and food service activities' (-4.2%) and 'Water supply; sewage, waste management, materials recovery' (-5.6%).

☐ (Retail Sales Index)

In 2018, the Retail Sales Index of Chungnam increased by 1.0% year-on-year owing to the rise in 'Automobiles and automotive fuel' (3.3%) and 'Supermarkets, non-specialized stores and convenience stores' (2.3%) despite the drop in 'Specialized stores' (-1.2%) and 'Discount department stores' (-2.2%).

12. Jeonbuk

☐ (Index of Services)

In 2018, the Index of Services for Jeonbuk grew by 0.1% year-on-year due to the rise in 'Financial and insurance activities' (4.6%), 'Human health and social work activities' (2.3%) and 'Information and communication' (3.7%) despite the drop in 'Accommodation and food service activities' (-4.6%) and 'Transportation and storage' (-2.1%).

☐ (Retail Sales Index)

In 2018, the Retail Sales Index of Jeonbuk declined by 0.3% year-on-year owing to the decrease in 'Specialized stores' (-1.9%) despite the increase in 'Automobiles and automotive fuel' (2.9%).

13. Jeonnam

☐ (Index of Services)

In 2018, the Index of Services for Jeonnam grew by 1.4% year-on-year due to the rise in 'Human health and social work activities' (2.8%), 'Financial and insurance activities' (3.0%) and 'Information and communication' (4.5%) despite the drop in 'Transportation and storage' (-1.7%) and 'Business facilities management and business support services; rental and leasing activities' (-0.5%).

☐ (Retail Sales Index)

In 2018, the Retail Sales Index of Jeonnam grew by 1.7% year-on-year owing to the rise in 'Automobiles and automotive fuel' (4.4%) and 'Supermarkets, non-specialized stores and convenience stores' (2.8%) despite the drop in 'Discount department stores' (-6.2%).

14. Gyeongbuk

☐ (Index of Services)

In 2018, the Index of Services for Gyeongbuk went up by 0.8% year-on-year due to the rise in 'Human health and social work activities' (3.0%), 'Financial and insurance activities' (4.7%) and 'Information and communication' (3.9%) despite the drop in 'Transportation and storage' (-1.4%) and 'Education' (-0.7%).

☐ (Retail Sales Index)

In 2018, the Retail Sales Index of Gyeongbuk fell by 0.3% year-on-year owing to the drop in 'Discount department stores' (-3.7%) and 'Specialized stores' (-0.8%) despite the rise in 'Automobiles and automotive fuel' (1.5%).

15. Gyeongnam

☐ (Index of Services)

In 2018, the Index of Services for Gyeongnam grew by 0.7% year-on-year due to the rise in 'Human health and social work activities' (3.5%), 'Transportation and storage' (3.6%) and 'Financial and insurance activities' (3.0%) despite the drop in 'Education' (-2.9%) and 'Accommodation and food service activities' (-4.4%).

☐ (Retail Sales Index)

In 2018, the Retail Sales Index of Gyeongnam fell by 0.7% year-on-year owing to the decrease in 'Specialized stores' (-1.2%) and 'Discount department stores' (-3.4%) despite the increase in 'Automobiles and automotive fuel' (1.2%).

16. Jeju

☐ (Index of Services)

In 2018, the Index of Services for Jeju grew by 2.6% year-on-year due to the rise in 'Financial and insurance activities' (11.0%), 'Wholesale and retail trade' (3.2%) and 'Information and communication' (3.4%) in spite of the drop in 'Arts, sports and recreation related services' (-7.1%) and 'Water supply; sewage, waste management, materials recovery' (-1.1%).

☐ (Retail Sales Index)

In 2018, the Retail Sales Index of Jeju rose by 11.0% year-on-year owing to the rise in 'Duty-free shops' (32.7%), 'Automobiles and automotive fuel' (12.9%) and 'Supermarkets, non-specialized stores and convenience stores' (5.9%) in spite of the drop in 'Discount department stores' (-5.0%) and 'Specialized stores' (-1.1%).

< Year-on-year percent change by province >

[Year-on-year, %]

Metropolitan cities and provinces	Index of services					Retail Sales Index				
	2014	2015	2016	2017	2018 ^P	2014	2015	2016	2017	2018 ^P
The nation	2.3	2.9	2.6	1.9	2.0	2.1	4.1	3.9	1.9	4.2
Seoul	2.1	2.2	3.1	2.8	3.2	0.8	2.5	4.0	1.8	5.6
Busan	1.8	3.6	1.9	1.5	1.6	0.8	4.0	1.3	-0.2	0.8
Daegu	1.8	2.9	2.6	1.5	1.2	0.5	3.8	0.9	0.9	0.3
Incheon	2.0	3.2	3.9	2.2	2.7	2.6	2.9	5.0	1.7	3.4
Gwangju	1.2	3.4	2.8	1.8	1.7	-0.4	2.7	1.0	-0.2	0.8
Daejeon	2.1	2.8	4.1	1.4	0.9	0.2	1.7	1.8	1.0	-0.4
Ulsan	1.9	3.4	1.0	-0.3	0.4	1.2	1.7	-0.7	-1.4	-0.8
Gyeonggi	2.4	3.4	3.3	2.3	1.9	1.9	4.6	3.2	0.9	2.3
Gangwon	1.4	3.4	3.2	1.5	2.0	2.5	4.6	2.4	1.5	2.4
Chungbuk	1.4	3.4	3.1	2.2	1.6	-0.3	5.0	2.1	1.0	1.0
Chungnam	1.8	5.0	2.3	2.2	1.4	2.2	7.0	2.7	2.1	1.0
Jeonbuk	0.8	2.2	1.9	1.4	0.1	-0.6	3.1	2.0	-0.7	-0.3
Jeonnam	0.6	2.7	2.6	0.9	1.4	2.4	4.4	1.2	-1.0	1.7
Gyeongbuk	1.8	3.3	1.6	1.5	0.8	1.0	4.6	1.1	-0.2	-0.3
Gyeongnam	1.6	3.7	2.2	0.9	0.7	0.8	4.7	1.0	-1.3	-0.7
Jeju	2.4	7.6	7.5	4.7	2.6	5.9	8.8	10.6	2.3	11.0