



# The Index of Services and Retail Sales Index by Province in the Fourth Quarter of 2022

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### ◇ (Index of Services by province)

**In the fourth quarter of 2022, all 16 metropolitan cities and provinces recorded a year-on-year increase in the Index of Services.**

- Incheon (5.7%), Seoul (4.8%), Chungnam (4.8%) and Jeju (4.6%) showed a high year-on-year increase owing to the relatively favorable trend in 'Financial and insurance activities', 'Accommodation and food service activities' and 'Human health and social work activities'.
  - Incheon marked a year-on-year increase in 'Transportation and storage' (13.7%), 'Human health and social work activities' (9.2%) and 'Financial and insurance activities' (13.5%).
  - Seoul marked a year-on-year increase in 'Financial and insurance activities' (5.8%), 'Accommodation and food service activities' (23.5%) and 'Transportation and storage' (12.0%).
  - Chungnam marked a year-on-year increase in 'Accommodation and food service activities' (28.2%), 'Financial and insurance activities' (11.9%) and 'Human health and social work activities' (5.0%).
  - Jeju marked a year-on-year increase in 'Information and communication' (13.8%), 'Financial and insurance activities' (12.2%) and 'Transportation and storage' (11.2%).
- Gwangju (0.9%), Gyeongbuk (1.4%) and Daejeon (2.6%) showed a low year-on-year increase owing to the relative slump in 'Real estate activities' and 'Accommodation and food service activities'.

### ◇ (Retail Sales Index by province)

**In the fourth quarter of 2022, 4 regions recorded a year-on-year increase in the Retail Sales Index. Whereas, 12 regions recorded a year-on-year decrease in the Retail Sales Index.**

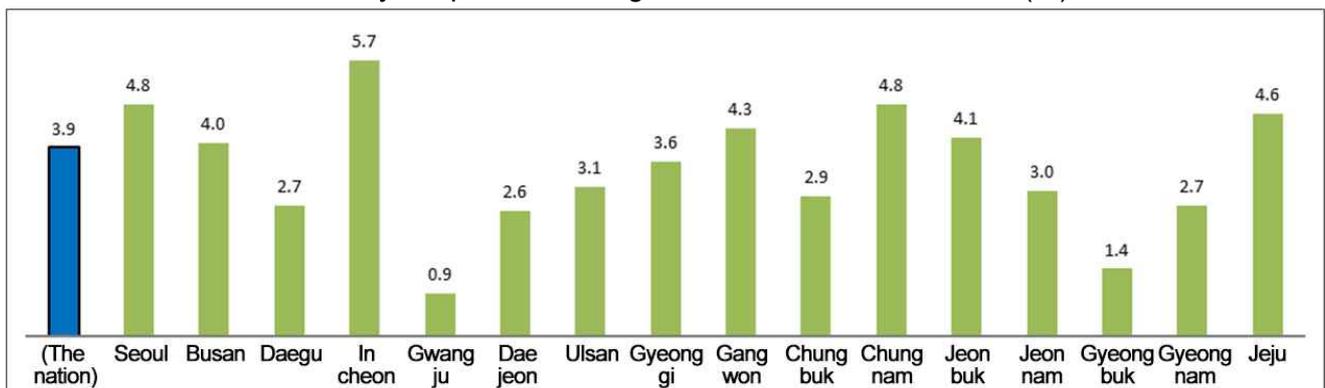
- Gyeongnam (5.8%) and Incheon (1.2%) showed a year-on-year increase owing to the rise in 'Passenger cars & fuel stores' and 'Duty-free shops'.
- Daejeon (-5.2%), Jeju (-5.1%), Seoul (-5.0%), Gwangju (-3.4%), Daegu (-2.9%), Jeonnam (-2.0%), Busan (-1.9%), Ulsan (-1.5%), Chungbuk (-1.4%), Gangwon (-1.2%), Jeonbuk (-0.7%) and Gyeonggi (-0.4%) showed a year-on-year decrease owing to the drop in 'Specialized stores' and 'Supermarkets, convenient stores and other retail sale in non-specialized stores'.
  - Daejeon recorded a year-on-year decrease in 'Specialized stores' (-21.3%) and 'Supermarkets, convenient stores and other retail sale in non-specialized stores' (-1.6%).
  - Jeju recorded a year-on-year decrease in 'Duty-free shops' (-24.5%) and 'Specialized stores' (-6.1%).
  - Seoul recorded a year-on-year decrease in 'Specialized stores' (-7.1%) and 'Duty-free shops' (-14.4%).
  - Gwangju recorded a year-on-year decrease in 'Specialized stores' (-12.4%) and 'Department stores' (-8.2%).
  - Daegu recorded a year-on-year decrease in 'Specialized stores' (-5.3%) and 'Department stores' (-5.0%).
  - Jeonnam recorded a year-on-year decrease in 'Specialized stores' (-6.7%) and 'Supermarkets, convenient stores and other retail sale in non-specialized stores' (-7.1%).
  - Busan recorded a year-on-year decrease in 'Specialized stores' (-9.7%) and 'Supermarkets, convenient stores and other retail sale in non-specialized stores' (-5.3%).
  - Ulsan recorded a year-on-year decrease in 'Specialized stores' (-8.0%) and 'Department stores' (-13.5%).
  - Chungbuk recorded a year-on-year decrease in 'Specialized stores' (-9.8%) and 'Supermarkets, convenient stores and other retail sale in non-specialized stores' (-0.9%).

□ Major indicators in the fourth quarter of 2022

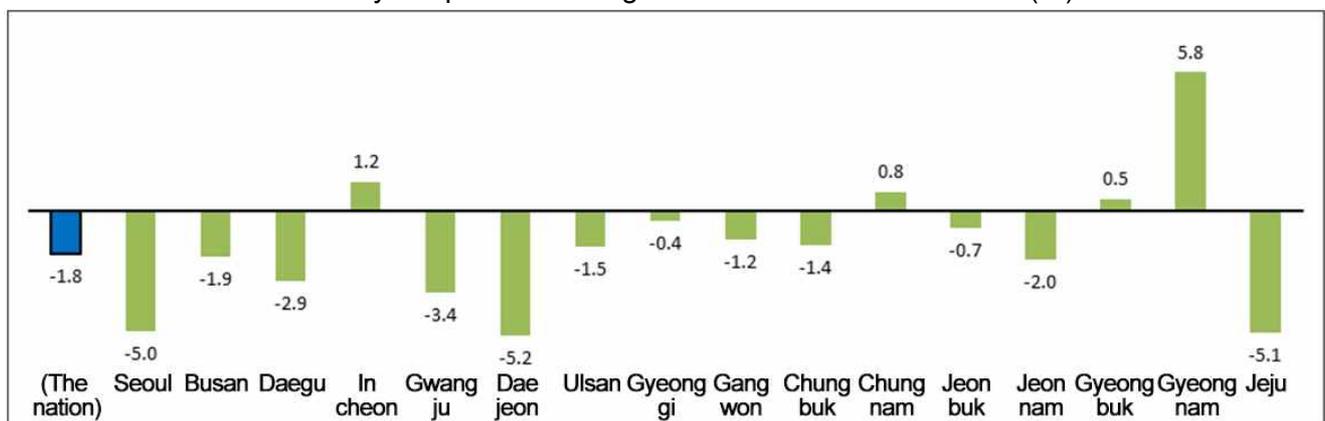
(Year-on-year, %)

Metropolitan cities and provinces	Index of Services							Retail Sales Index						
	2021	4Q	2022 <sup>P</sup>	1Q	2Q	3Q	4Q <sup>P</sup>	2021	4Q	2022 <sup>P</sup>	1Q	2Q	3Q	4Q <sup>P</sup>
Seoul	5.8	5.0	4.2	1.9	4.7	5.2	4.8	6.6	10.4	-1.0	3.9	-1.3	-0.9	-5.0
Busan	4.2	5.4	5.5	4.6	5.9	7.7	4.0	6.8	9.2	-0.3	1.8	-0.4	-0.5	-1.9
Daegu	3.1	3.0	3.3	3.0	3.3	4.2	2.7	3.0	2.1	-0.6	-0.8	-1.2	2.5	-2.9
Incheon	2.6	6.2	6.8	6.0	7.5	7.9	5.7	-0.8	1.4	2.2	2.4	2.6	2.8	1.2
Gwangju	3.0	4.9	2.8	3.3	3.7	3.5	0.9	2.0	2.2	-2.4	-2.2	-1.6	-2.4	-3.4
Daejeon	2.8	4.5	4.6	3.4	6.0	6.7	2.6	4.4	7.8	0.1	1.5	3.3	1.4	-5.2
Ulsan	2.0	3.2	4.1	2.6	4.9	5.8	3.1	-0.8	-0.4	-1.7	-2.4	-1.9	-0.7	-1.5
Gyeonggi	4.3	6.2	5.8	5.6	7.0	6.9	3.6	2.9	2.0	-0.1	1.3	-0.7	-0.4	-0.4
Gangwon	3.8	6.8	5.5	5.9	5.7	6.1	4.3	3.3	9.2	-0.6	0.1	-1.8	0.4	-1.2
Chungbuk	3.0	5.2	4.0	4.4	4.8	4.0	2.9	2.6	3.8	-1.9	-2.1	-2.0	-2.0	-1.4
Chungnam	3.9	4.0	4.1	3.3	4.1	4.1	4.8	1.1	1.6	-0.9	-2.5	-1.7	-0.2	0.8
Jeonbuk	2.5	4.6	4.0	3.2	4.4	4.1	4.1	1.1	3.3	-0.8	0.9	-1.5	-1.8	-0.7
Jeonnam	2.5	4.7	3.6	3.4	3.9	4.0	3.0	4.2	7.2	-1.6	-2.8	-0.8	-1.0	-2.0
Gyeongbuk	3.5	4.7	2.7	3.4	3.2	2.6	1.4	2.1	3.4	-0.2	-0.6	-1.8	1.2	0.5
Gyeongnam	2.5	4.2	4.5	4.0	5.5	6.0	2.7	0.4	-0.1	2.3	-1.0	1.6	2.8	5.8
Jeju	2.6	9.0	8.6	9.9	11.6	8.5	4.6	5.9	11.3	-0.1	4.8	-1.7	2.0	-5.1
The nation	4.4	5.5	4.8	4.1	5.5	6.0	3.9	5.9	6.4	0.2	2.8	-0.2	-0.2	-1.8

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



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



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

## 1. Seoul

### Index of Services

- In the fourth quarter of 2022, the Index of Services for Seoul grew by 4.8% year-on-year, which was 0.4%p lower compared to a 5.2% increase in the third quarter of 2022.

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

	Weight	2020	4Q	2022 <sup>P</sup>	1Q	2Q	3Q	4Q <sup>P</sup>	Contribution
Index of Services	1000.0	119.7	126.9	124.7	117.6	124.3	123.8	133.0	-
Year-on-year	-	5.8	5.0	4.2	1.9	4.7	5.2	4.8	-
- Wholesale and retail trade	194.7	3.7	4.2	3.8	2.8	2.9	6.7	3.1	0.52
- Transportation and storage	79.9	13.7	28.4	21.1	22.6	25.1	26.1	12.0	0.71
- Accommodation and food service activities	44.3	3.0	20.4	25.3	16.9	21.6	39.2	23.5	0.81
- Information and communication	119.1	2.9	1.8	3.5	4.6	5.2	3.5	1.3	0.17
- Financial and insurance activities	242.5	10.6	3.3	0.7	-5.1	1.4	0.4	5.8	1.80
- Real estate activities	34.3	3.4	-0.7	-9.6	-9.3	-7.5	-12.0	-9.5	-0.34
- Professional, scientific and technical activities	76.6	2.0	1.7	2.7	3.1	2.2	4.7	1.0	0.07
- Business facilities management and business support services; rental and leasing activities	49.7	0.8	0.6	2.7	3.4	4.0	2.4	0.9	0.04
- Education	62.1	3.1	4.1	2.1	1.5	0.2	4.8	2.4	0.11
- Human health and social work activities	59.7	3.5	5.3	6.4	8.6	7.5	2.5	7.1	0.49
- Arts, sports and recreation related services	13.7	8.3	42.0	55.3	55.3	53.6	76.7	41.2	0.34
- Membership organizations, repair and other personal services	21.6	0.5	6.7	4.3	1.6	6.3	5.6	3.3	0.06
- Water supply; sewage, waste management, materials recovery	1.8	1.8	-4.7	-6.7	-5.9	-9.9	-2.1	-8.8	-0.01

### Retail Sales Index

- In the fourth quarter of 2022, the Retail Sales Index of Seoul fell by 5.0% year-on-year, which was 4.1%p lower compared to a 0.9% decrease in the third quarter of 2022.

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

	Weight	2021	4Q	2022P	1Q	2Q	3Q	4QP	Contribution
Retail Sales Index	1000.0	114.2	122.9	113.1	109.1	114.0	112.5	116.7	-
Year-on-year	-	6.6	10.4	-1.0	3.9	-1.3	-0.9	-5.0	-
- Department stores	137.9	23.5	28.6	6.9	15.4	9.4	9.3	-3.9	-0.58
- Large discount stores	77.2	-4.7	-6.7	-4.4	-4.3	-6.7	-4.9	-1.6	-0.08
- Duty-free shops	57.4	19.1	16.6	-10.2	1.4	-12.7	-13.5	-14.4	-2.27
- Supermarkets, convenient stores and other retail sale in non-specialized stores	132.7	-4.4	0.3	-0.5	3.5	-2.3	-1.5	-1.4	-0.16
- Passenger cars & fuel stores	148.9	-1.6	-5.0	-3.5	-8.7	-9.5	-0.5	5.0	0.71
- Specialized stores	445.9	6.1	14.9	1.4	7.3	4.6	2.2	-7.1	-2.76

## 2. Busan

### Index of Services

□ In the fourth quarter of 2022, the Index of Services for Busan rose by 4.0% year-on-year, which was 3.7%p lower compared to a 7.7% increase in the third quarter of 2022.

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

	Weight	2020	4Q	2022 <sup>P</sup>	1Q	2Q	3Q	4Q <sup>P</sup>	Contribution
Index of Services	1000.0	105.6	110.4	111.4	105.8	112.3	112.8	114.8	-
Year-on-year	-	4.2	5.4	5.5	4.6	5.9	7.7	4.0	-
- Wholesale and retail trade	227.9	4.4	5.1	3.4	2.6	3.2	5.0	2.6	0.58
- Transportation and storage	159.2	9.7	14.5	6.9	14.8	7.9	8.2	-2.0	-0.32
- Accommodation and food service activities	63.0	0.5	17.6	25.5	13.1	24.6	40.6	22.3	1.15
- Information and communication	42.2	3.3	4.9	6.4	9.0	6.8	7.2	3.1	0.15
- Financial and insurance activities	112.1	5.5	1.6	3.6	-2.4	2.2	5.6	8.8	1.11
- Real estate activities	32.2	-1.7	-9.9	-4.9	-1.2	-3.8	-4.9	-9.3	-0.36
- Professional, scientific and technical activities	42.7	-0.8	-1.2	2.9	-0.3	1.6	5.6	5.1	0.18
- Business facilities management and business support services; rental and leasing activities	49.7	8.1	9.8	3.8	8.0	1.8	4.8	0.9	0.04
- Education	104.2	1.4	0.2	-1.6	0.8	-4.0	-1.6	-2.0	-0.17
- Human health and social work activities	111.5	3.3	4.4	6.1	5.6	7.6	7.2	3.9	0.55
- Arts, sports and recreation related services	15.9	10.5	38.8	102.8	27.3	158.2	123.6	94.1	1.10
- Membership organizations, repair and other personal services	30.6	-3.6	0.3	-0.1	-3.6	0.8	0.6	1.5	0.04
- Water supply; sewage, waste management, materials recovery	8.9	-1.4	-4.7	-5.1	-10.7	-4.9	-1.2	-4.0	-0.03

### Retail Sales Index

□ In the fourth quarter of 2022, the Retail Sales Index of Busan went down by 1.9% year-on-year, which was 1.4%p lower compared to a 0.5% decrease in the third quarter of 2022.

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

	Weight	2021	4Q	2022 <sup>P</sup>	1Q	2Q	3Q	4Q <sup>P</sup>	Contribution
Retail Sales Index	1000.0	104.2	109.5	103.9	99.8	104.9	103.6	107.4	-
Year-on-year	-	6.8	9.2	-0.3	1.8	-0.4	-0.5	-1.9	-
- Department stores	113.5	19.4	23.2	11.1	13.7	15.4	18.0	0.1	0.02
- Large discount stores	97.6	-0.2	-4.2	-7.4	-8.3	-9.6	-9.9	-1.1	-0.08
- Duty-free shops	26.8	-36.6	-30.8	-0.7	-28.0	-6.7	9.7	32.2	0.19
- Supermarkets, convenient stores and other retail sale in non-specialized stores	138.5	-3.6	1.7	-0.3	-1.3	2.9	2.2	-5.3	-0.68
- Passenger cars & fuel stores	249.6	11.0	5.2	1.8	4.4	-5.0	1.6	6.9	2.10
- Specialized stores	374.0	7.0	15.3	-4.6	0.3	-0.8	-7.5	-9.7	-3.35

### 3. Daegu

#### Index of Services

□ In the fourth quarter of 2022, the Index of Services for Daegu grew by 2.7% year-on-year, which was 1.5%p lower compared to a 4.2% increase in the third quarter of 2022.

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

	Weight	2020	4Q	2022 <sup>P</sup>	1Q	2Q	3Q	4Q <sup>P</sup>	Contribution
Index of Services	1000.0	106.4	110.6	109.9	105.1	110.6	110.4	113.6	-
Year-on-year	-	3.1	3.0	3.3	3.0	3.3	4.2	2.7	-
- Wholesale and retail trade	233.4	3.4	2.8	3.1	2.7	2.6	5.1	1.8	0.40
- Transportation and storage	67.8	2.7	4.4	1.5	2.2	4.8	2.3	-2.6	-0.13
- Accommodation and food service activities	65.7	5.1	15.4	14.8	13.0	17.3	23.8	6.7	0.37
- Information and communication	44.6	4.5	6.7	3.3	6.0	6.1	2.5	-1.2	-0.06
- Financial and insurance activities	118.4	7.5	5.7	6.3	2.3	5.1	6.4	10.9	1.54
- Real estate activities	34.4	-6.4	-18.3	-18.1	-15.8	-24.7	-13.9	-17.0	-0.67
- Professional, scientific and technical activities	38.6	2.2	-0.2	0.2	-0.3	0.8	2.1	-1.8	-0.07
- Business facilities management and business support services; rental and leasing activities	43.7	1.2	2.5	0.6	3.3	1.9	0.5	-2.9	-0.12
- Education	130.0	1.2	0.0	-0.8	3.4	-3.5	-2.2	-0.4	-0.05
- Human health and social work activities	135.6	2.9	4.1	7.3	6.7	10.5	5.5	7.1	1.25
- Arts, sports and recreation related services	17.8	13.3	14.1	11.1	4.6	8.9	20.3	10.0	0.17
- Membership organizations, repair and other personal services	60.1	1.4	3.9	2.1	1.4	3.6	2.7	0.8	0.04
- Water supply; sewage, waste management, materials recovery	10.0	-0.8	-4.4	0.1	-1.4	-5.7	4.1	3.5	0.03

#### Retail Sales Index

□ In the fourth quarter of 2022, the Retail Sales Index of Daegu dropped by 2.9% year-on-year, which turned into a decrease from a 2.5% increase in the third quarter of 2022.

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

	Weight	2021	4Q	2022 <sup>P</sup>	1Q	2Q	3Q	4Q <sup>P</sup>	Contribution
Retail Sales Index	1000.0	101.4	105.0	100.8	98.1	103.3	99.6	102.0	-
Year-on-year	-	3.0	2.1	-0.6	-0.8	-1.2	2.5	-2.9	-
- Department stores	114.2	19.5	14.4	3.0	6.3	5.5	6.8	-5.0	-0.73
- Large discount stores	94.4	-0.2	-4.7	-4.2	-6.4	-5.0	-3.1	-2.2	-0.18
- Duty-free shops	-	-	-	-	-	-	-	-	-
- Supermarkets, convenient stores and other retail sale in non-specialized stores	128.8	-4.8	-2.2	-0.5	0.5	-0.2	-1.4	-1.1	-0.15
- Passenger cars & fuel stores	267.3	-1.9	-7.4	-1.0	-5.2	-4.0	5.5	0.7	0.20
- Specialized stores	393.8	6.8	9.9	-0.8	1.4	-0.5	1.8	-5.3	-1.88

## 4. Incheon

### Index of Services

- In the fourth quarter of 2022, the Index of Services for Incheon rose by 5.7% year-on-year, which was 2.2%p lower compared to a 7.9% increase in the third quarter of 2022.

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

	Weight	2020	4Q	2022 <sup>P</sup>	1Q	2Q	3Q	4Q <sup>P</sup>	Contribution
Index of Services	1000.0	102.4	107.6	109.4	103.5	109.6	110.6	113.7	-
Year-on-year	-	2.6	6.2	6.8	6.0	7.5	7.9	5.7	-
- Wholesale and retail trade	188.5	1.8	1.8	2.4	2.8	3.0	2.7	1.2	0.23
- Transportation and storage	219.8	2.8	14.9	15.0	11.2	17.4	17.5	13.7	2.45
- Accommodation and food service activities	70.1	0.9	16.4	17.2	15.2	21.0	25.7	8.0	0.44
- Information and communication	24.4	6.6	9.4	3.8	11.4	7.6	2.0	-4.3	-0.13
- Financial and insurance activities	59.8	2.9	2.8	7.9	2.5	6.7	8.5	13.5	1.01
- Real estate activities	38.5	9.7	15.1	6.6	20.3	11.4	-0.8	-2.8	-0.16
- Professional, scientific and technical activities	49.5	0.3	-2.9	1.2	-1.4	0.1	3.0	3.3	0.17
- Business facilities management and business support services; rental and leasing activities	49.9	3.3	2.1	2.8	4.5	1.2	2.5	3.3	0.17
- Education	120.0	-0.1	1.1	-0.4	-1.0	-0.1	-0.1	-0.6	-0.07
- Human health and social work activities	107.9	3.6	4.9	8.4	6.4	7.2	10.6	9.2	1.35
- Arts, sports and recreation related services	19.6	2.2	11.7	26.4	24.9	25.2	30.9	24.2	0.38
- Membership organizations, repair and other personal services	35.5	2.8	8.2	0.6	-0.9	2.3	3.7	-2.7	-0.09
- Water supply; sewage, waste management, materials recovery	16.4	-1.7	-1.4	-4.0	-0.2	-6.9	-3.6	-4.6	-0.07

### Retail Sales Index

- In the fourth quarter of 2022, the Retail Sales Index of Incheon went up by 1.2% year-on-year, which was 1.6%p lower compared to a 2.8% increase in the third quarter of 2022.

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

	Weight	2021	4Q	2022 <sup>P</sup>	1Q	2Q	3Q	4Q <sup>P</sup>	Contribution
Retail Sales Index	1000.0	101.0	102.3	103.2	99.2	106.0	104.1	103.5	-
Year-on-year	-	-0.8	1.4	2.2	2.4	2.6	2.8	1.2	-
- Department stores	-	-	-	-	-	-	-	-	-
- Large discount stores	86.2	-1.9	-5.4	-7.3	-7.3	-6.4	-8.4	-6.9	-0.51
- Duty-free shops	96.6	-74.1	95.2	233.3	80.7	273.8	284.5	252.9	2.89
- Supermarkets, convenient stores and other retail sale in non-specialized stores	136.6	-4.3	0.8	0.7	0.7	3.5	-0.9	-0.4	-0.07
- Passenger cars & fuel stores	325.9	1.7	-1.9	1.5	2.0	-0.4	4.5	0.3	0.13
- Specialized stores	312.0	2.9	4.4	-0.4	4.3	2.2	-3.2	-4.2	-1.37

## 5. Gwangju

### Index of Services

- In the fourth quarter of 2022, the Index of Services for Gwangju went up by 0.9% year-on-year, which was 2.6%p lower compared to a 3.5% increase in the third quarter of 2022.

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

	Weight	2020	4Q	2022 <sup>P</sup>	1Q	2Q	3Q	4Q <sup>P</sup>	Contribution
Index of Services	1000.0	110.0	115.2	113.1	109.2	114.8	112.0	116.2	-
Year-on-year	-	3.0	4.9	2.8	3.3	3.7	3.5	0.9	-
- Wholesale and retail trade	206.7	2.7	2.7	2.1	2.0	2.4	2.7	1.6	0.31
- Transportation and storage	70.1	2.2	7.1	2.7	5.7	5.0	4.8	-4.0	-0.22
- Accommodation and food service activities	60.4	1.2	18.3	10.1	13.0	14.7	13.3	1.2	0.06
- Information and communication	49.9	5.1	5.5	3.6	6.0	1.8	4.2	2.4	0.14
- Financial and insurance activities	100.0	7.2	6.2	3.7	-0.2	3.3	4.7	6.9	0.82
- Real estate activities	71.4	1.7	3.0	-5.3	-2.4	-4.3	-0.3	-12.9	-1.25
- Professional, scientific and technical activities	37.3	2.8	2.6	-0.3	3.6	2.6	-0.6	-7.4	-0.25
- Business facilities management and business support services; rental and leasing activities	53.2	-0.5	1.5	2.1	3.0	1.3	3.1	1.0	0.05
- Education	136.5	4.0	5.3	3.6	5.2	5.4	2.2	1.6	0.19
- Human health and social work activities	142.6	2.1	3.5	4.4	4.3	4.9	2.9	5.7	0.95
- Arts, sports and recreation related services	20.9	14.0	21.5	17.0	23.7	16.0	30.8	2.1	0.04
- Membership organizations, repair and other personal services	41.5	-1.7	1.3	0.9	-3.4	3.4	0.6	2.6	0.10
- Water supply; sewage, waste management, materials recovery	9.5	-2.2	10.1	2.3	17.6	5.0	1.2	-10.0	-0.10

### Retail Sales Index

- In the fourth quarter of 2022, the Retail Sales Index of Gwangju fell by 3.4% year-on-year, which was 1.0%p lower compared to a 2.4% decrease in the third quarter of 2022.

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

	Weight	2021	4Q	2022 <sup>P</sup>	1Q	2Q	3Q	4Q <sup>P</sup>	Contribution
Retail Sales Index	1000.0	101.9	103.8	99.5	96.4	101.6	99.7	100.3	-
Year-on-year	-	2.0	2.2	-2.4	-2.2	-1.6	-2.4	-3.4	-
- Department stores	90.0	18.8	23.5	5.5	7.4	14.4	11.9	-8.2	-0.91
- Large discount stores	80.9	-1.8	-6.1	-7.5	-9.0	-7.0	-8.4	-5.2	-0.32
- Duty-free shops	-	-	-	-	-	-	-	-	-
- Supermarkets, convenient stores and other retail sale in non-specialized stores	153.0	-5.7	2.5	0.5	2.1	-0.9	-0.7	1.8	0.27
- Passenger cars & fuel stores	233.5	-2.4	-8.4	-1.1	-8.0	-7.8	1.3	10.5	2.72
- Specialized stores	442.4	5.8	6.2	-5.3	-1.0	-0.3	-7.1	-12.4	-5.20

## 6. Daejeon

### Index of Services

- In the fourth quarter of 2022, the Index of Services for Daejeon grew by 2.6% year-on-year, which was 4.1%p lower compared to a 6.7% increase in the third quarter of 2022.

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

	Weight	2020	4Q	2022 <sup>P</sup>	1Q	2Q	3Q	4Q <sup>P</sup>	Contribution
Index of Services	1000.0	108.1	118.6	113.1	104.4	113.3	113.0	121.7	-
Year-on-year	-	2.8	4.5	4.6	3.4	6.0	6.7	2.6	-
- Wholesale and retail trade	173.5	3.5	4.5	2.3	2.0	3.4	3.7	0.1	0.01
- Transportation and storage	79.0	4.8	9.6	9.0	5.0	9.4	14.4	7.4	0.49
- Accommodation and food service activities	54.6	1.0	16.2	15.7	10.5	17.2	28.8	7.7	0.39
- Information and communication	63.7	3.9	6.0	3.6	4.6	2.8	3.1	3.8	0.28
- Financial and insurance activities	78.0	9.8	11.2	12.8	11.7	11.8	13.6	14.1	1.34
- Real estate activities	23.9	-1.2	1.8	-2.8	-3.9	0.1	-1.6	-5.5	-0.15
- Professional, scientific and technical activities	169.7	0.8	2.6	0.7	-3.7	5.7	3.2	-2.1	-0.40
- Business facilities management and business support services; rental and leasing activities	55.7	1.1	-2.8	1.9	2.6	2.9	2.7	-0.3	-0.01
- Education	121.4	0.4	-2.0	0.2	1.5	0.0	2.3	-3.2	-0.31
- Human health and social work activities	108.0	2.5	3.9	6.0	7.5	8.0	4.4	4.4	0.55
- Arts, sports and recreation related services	19.4	4.6	12.6	13.0	4.8	14.8	14.9	16.2	0.24
- Membership organizations, repair and other personal services	31.9	3.6	8.2	7.7	3.2	7.1	13.4	6.8	0.20
- Water supply; sewage, waste management, materials recovery	21.2	-1.2	-2.8	0.9	-0.9	-0.1	3.1	1.0	0.02

### Retail Sales Index

- In the fourth quarter of 2022, the Retail Sales Index of Daejeon went down by 5.2% year-on-year, which turned in to a decrease from a 1.4% increase in the third quarter of 2022.

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

	Weight	2021	4Q	2022 <sup>P</sup>	1Q	2Q	3Q	4Q <sup>P</sup>	Contribution
Retail Sales Index	1000.0	106.4	115.0	106.5	101.9	107.3	107.6	109.0	-
Year-on-year	-	4.4	7.8	0.1	1.5	3.3	1.4	-5.2	-
- Department stores	107.0	38.5	62.7	32.0	54.3	61.1	29.5	4.7	0.74
- Large discount stores	113.2	-3.2	-6.2	-6.7	-10.0	-9.0	-5.8	-1.7	-0.13
- Duty-free shops	-	-	-	-	-	-	-	-	-
- Supermarkets, convenient stores and other retail sale in non-specialized stores	147.5	-3.5	3.2	-2.2	-0.1	-6.0	-1.0	-1.6	-0.23
- Passenger cars & fuel stores	228.5	-2.3	-11.1	-0.6	-9.9	-6.7	3.2	11.4	2.66
- Specialized stores	403.4	6.2	11.8	-7.3	-1.3	1.4	-6.2	-21.3	-8.31

## 7. Ulsan

### Index of Services

- In the fourth quarter of 2022, the Index of Services for Ulsan went up by 3.1% year-on-year, which was 2.7%p lower compared to a 5.8% increase in the third quarter of 2022.

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

	Weight	2020	4Q	2022 <sup>P</sup>	1Q	2Q	3Q	4Q <sup>P</sup>	Contribution
Index of Services	1000.0	99.9	104.3	104.0	99.3	105.1	103.9	107.5	-
Year-on-year	-	2.0	3.2	4.1	2.6	4.9	5.8	3.1	-
- Wholesale and retail trade	195.5	1.3	0.6	2.6	1.3	2.0	4.7	2.6	0.49
- Transportation and storage	131.7	1.5	3.6	3.4	3.6	6.8	5.0	-1.1	-0.14
- Accommodation and food service activities	78.8	-0.3	14.3	15.8	12.9	18.6	18.3	12.9	0.75
- Information and communication	30.4	2.9	4.1	3.9	8.6	8.2	0.3	-0.7	-0.03
- Financial and insurance activities	87.7	2.3	-0.7	2.0	-5.3	0.3	2.5	10.3	1.02
- Real estate activities	23.4	4.1	-4.5	-6.8	-3.6	-5.0	-3.6	-14.3	-0.38
- Professional, scientific and technical activities	59.9	2.9	2.9	8.4	7.5	0.5	16.8	11.4	0.62
- Business facilities management and business support services; rental and leasing activities	57.0	2.4	2.9	3.6	1.8	3.4	4.5	4.6	0.24
- Education	138.8	3.4	3.9	-0.4	0.4	1.1	-0.6	-2.7	-0.35
- Human health and social work activities	118.6	2.5	4.8	6.5	5.8	9.2	8.6	2.4	0.38
- Arts, sports and recreation related services	22.1	5.2	8.8	16.2	5.6	17.6	24.5	15.5	0.31
- Membership organizations, repair and other personal services	37.8	-2.8	2.1	6.1	-2.3	8.1	6.8	10.5	0.39
- Water supply; sewage, waste management, materials recovery	18.5	1.6	4.7	1.0	7.2	8.8	1.0	-10.8	-0.22

### Retail Sales Index

- In the fourth quarter of 2022, the Retail Sales Index of Ulsan went down by 1.5% year-on-year, which was 0.8%p lower compared to a 0.7% decrease in the third quarter of 2022.

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

	Weight	2021	4Q	2022 <sup>P</sup>	1Q	2Q	3Q	4Q <sup>P</sup>	Contribution
Retail Sales Index	1000.0	95.5	97.8	93.9	92.2	93.9	93.3	96.3	-
Year-on-year	-	-0.8	-0.4	-1.7	-2.4	-1.9	-0.7	-1.5	-
- Department stores	119.3	10.1	10.9	-4.2	1.0	2.1	-4.9	-13.5	-1.46
- Large discount stores	114.6	-4.3	-4.7	-6.1	-8.5	-4.4	-7.8	-3.2	-0.29
- Duty-free shops	-	-	-	-	-	-	-	-	-
- Supermarkets, convenient stores and other retail sale in non-specialized stores	170.4	-7.2	-3.8	-2.4	0.6	-2.7	-3.0	-4.5	-0.82
- Passenger cars & fuel stores	261.4	-2.0	-7.4	0.0	-10.2	-6.4	5.0	12.1	3.61
- Specialized stores	333.4	2.5	7.1	-0.6	4.7	2.7	-1.0	-8.0	-2.56

## 8. Gyeonggi

### Index of Services

- In the fourth quarter of 2022, the Index of Services for Gyeonggi went up by 3.6% year-on-year, which was 3.3%p lower compared to a 6.9% increase in the third quarter of 2022.

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

	Weight	2020	4Q	2022 <sup>P</sup>	1Q	2Q	3Q	4Q <sup>P</sup>	Contribution
Index of Services	1000.0	114.0	120.0	120.6	114.1	123.5	120.3	124.3	-
Year-on-year	-	4.3	6.2	5.8	5.6	7.0	6.9	3.6	-
- Wholesale and retail trade	229.6	3.8	3.1	4.0	3.5	3.7	5.2	3.5	0.73
- Transportation and storage	69.9	10.6	9.4	1.4	3.7	3.9	1.4	-3.2	-0.22
- Accommodation and food service activities	68.9	1.9	19.7	20.4	17.1	24.1	29.5	11.0	0.58
- Information and communication	82.4	6.1	10.6	7.6	9.1	9.5	8.4	4.2	0.49
- Financial and insurance activities	65.8	6.7	7.6	10.1	6.3	9.4	10.1	14.3	1.13
- Real estate activities	33.9	7.1	0.1	-4.8	-4.2	-2.7	-4.6	-7.5	-0.34
- Professional, scientific and technical activities	103.1	3.1	5.6	3.0	5.4	4.5	4.1	-1.2	-0.12
- Business facilities management and business support services; rental and leasing activities	42.8	0.5	1.2	0.7	3.6	2.1	-0.3	-2.6	-0.10
- Education	122.6	1.9	3.4	0.4	2.5	-0.9	0.5	-0.7	-0.07
- Human health and social work activities	102.0	3.9	5.5	10.6	9.3	14.7	10.6	7.9	0.99
- Arts, sports and recreation related services	29.7	4.3	21.7	32.6	30.9	34.3	45.8	19.9	0.40
- Membership organizations, repair and other personal services	35.5	0.1	6.1	5.4	-0.5	6.2	8.5	6.8	0.20
- Water supply; sewage, waste management, materials recovery	13.9	2.0	-0.9	-5.0	-3.4	-4.5	-7.5	-4.4	-0.06

### Retail Sales Index

- In the fourth quarter of 2022, the Retail Sales Index of Gyeonggi fell by 0.4% year-on-year, which remained the same as the third quarter of 2022 (-0.4%).

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

	Weight	2021	4Q	2022 <sup>P</sup>	1Q	2Q	3Q	4Q <sup>P</sup>	Contribution
Retail Sales Index	1000.0	110.6	112.8	110.5	106.2	111.8	111.6	112.4	-
Year-on-year	-	2.9	2.0	-0.1	1.3	-0.7	-0.4	-0.4	-
- Department stores	67.3	21.6	22.4	7.6	13.2	13.1	11.5	-4.7	-0.39
- Large discount stores	116.2	0.2	-3.6	-3.6	-3.1	-4.1	-4.4	-2.9	-0.30
- Duty-free shops	-	-	-	-	-	-	-	-	-
- Supermarkets, convenient stores and other retail sale in non-specialized stores	182.1	-2.6	0.4	-0.6	-0.3	-0.6	-2.2	0.9	0.16
- Passenger cars & fuel stores	266.3	0.9	-6.9	-1.2	-6.9	-7.9	1.8	8.0	2.29
- Specialized stores	367.9	5.4	9.0	0.9	9.1	4.0	-2.4	-6.2	-2.12

## 9. Gangwon

### Index of Services

- In the fourth quarter of 2022, the Index of Services for Gangwon went up by 4.3% year-on-year, which was 1.8%p lower compared to a 6.1% increase in the third quarter of 2022.

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

	Weight	2020	4Q	2022 <sup>P</sup>	1Q	2Q	3Q	4Q <sup>P</sup>	Contribution
Index of Services	1000.0	105.7	110.4	111.5	103.5	112.9	114.5	115.1	-
Year-on-year	-	3.8	6.8	5.5	5.9	5.7	6.1	4.3	-
- Wholesale and retail trade	174.9	2.8	6.6	1.4	2.7	1.0	2.3	0.2	0.03
- Transportation and storage	71.3	1.6	6.8	9.6	6.7	9.7	12.7	9.1	0.63
- Accommodation and food service activities	107.5	0.9	20.9	17.3	20.9	21.2	18.0	10.3	0.93
- Information and communication	54.7	3.7	4.1	3.2	6.8	7.7	0.8	-2.1	-0.12
- Financial and insurance activities	70.6	7.0	2.0	2.9	-0.9	0.9	2.4	8.9	0.81
- Real estate activities	20.6	10.0	16.7	3.6	17.0	10.7	-1.9	-8.5	-0.27
- Professional, scientific and technical activities	33.1	6.7	7.0	1.4	9.7	-2.1	5.1	-3.5	-0.13
- Business facilities management and business support services; rental and leasing activities	50.3	3.3	5.8	6.0	9.5	2.8	7.8	4.4	0.24
- Education	165.7	1.3	1.5	0.6	0.1	0.3	0.7	1.4	0.20
- Human health and social work activities	117.4	2.6	4.8	6.0	4.7	8.1	5.1	6.3	0.89
- Arts, sports and recreation related services	74.3	25.7	27.9	19.5	32.9	15.5	21.6	12.7	0.67
- Membership organizations, repair and other personal services	40.7	-0.8	0.4	5.2	-1.6	6.8	8.0	6.9	0.27
- Water supply; sewage, waste management, materials recovery	18.8	3.6	-1.4	-2.1	-3.5	-7.6	0.2	2.3	0.05

### Retail Sales Index

- In the fourth quarter of 2022, the Retail Sales Index of Gangwon fell by 1.2% year-on-year, which turned into a decrease from a 0.4% increase in the third quarter of 2022.

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

	Weight	2021	4Q	2022 <sup>P</sup>	1Q	2Q	3Q	4Q <sup>P</sup>	Contribution
Retail Sales Index	1000.0	109.3	113.5	108.6	99.6	108.1	114.6	112.1	-
Year-on-year	-	3.3	9.2	-0.6	0.1	-1.8	0.4	-1.2	-
- Department stores	-	-	-	-	-	-	-	-	-
- Large discount stores	84.2	3.2	1.6	-3.4	0.5	-1.6	-5.8	-6.4	-0.47
- Duty-free shops	-	-	-	-	-	-	-	-	-
- Supermarkets, convenient stores and other retail sale in non-specialized stores	240.0	-2.9	2.4	1.6	1.3	1.4	1.9	1.2	0.30
- Passenger cars & fuel stores	294.7	4.8	6.9	-0.6	-5.6	-6.7	2.7	6.7	2.21
- Specialized stores	363.1	6.9	18.8	-2.1	4.4	0.1	-2.2	-9.5	-3.20

## 10. Chungbuk

### Index of Services

- In the fourth quarter of 2022, the Index of Services for Chungbuk rose by 2.9%, which was 1.1%p lower compared to a 4.0% increase in the third quarter of 2022.

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

	Weight	2020	4Q	2022 <sup>P</sup>	1Q	2Q	3Q	4Q <sup>P</sup>	Contribution
Index of Services	1000.0	108.4	113.2	112.7	107.1	114.9	112.3	116.5	-
Year-on-year	-	3.0	5.2	4.0	4.4	4.8	4.0	2.9	-
- Wholesale and retail trade	190.3	3.3	4.2	0.1	1.1	0.8	-0.2	-1.1	-0.20
- Transportation and storage	85.9	1.6	8.5	8.5	6.4	8.4	10.6	8.4	0.64
- Accommodation and food service activities	81.4	1.3	17.7	22.4	13.2	23.2	32.1	19.5	1.42
- Information and communication	48.4	4.6	3.6	2.7	5.9	6.2	1.2	-2.2	-0.11
- Financial and insurance activities	76.6	6.4	6.1	6.4	2.6	4.6	5.9	12.1	1.13
- Real estate activities	20.0	10.7	12.2	0.1	-0.8	6.8	-1.7	-3.9	-0.10
- Professional, scientific and technical activities	48.4	0.0	1.0	-0.4	4.9	0.6	-1.4	-5.9	-0.29
- Business facilities management and business support services; rental and leasing activities	57.9	1.3	1.7	0.7	4.2	1.7	-2.3	-0.5	-0.03
- Education	162.6	1.8	2.7	0.2	3.5	0.4	-1.2	-2.1	-0.32
- Human health and social work activities	126.0	2.1	3.3	5.1	6.0	7.4	3.3	3.9	0.59
- Arts, sports and recreation related services	29.8	4.6	8.4	5.6	4.9	9.3	8.4	-0.7	-0.02
- Membership organizations, repair and other personal services	42.6	4.5	7.7	5.2	4.4	4.6	4.7	6.8	0.29
- Water supply; sewage, waste management, materials recovery	30.3	4.4	0.6	0.5	6.7	-1.0	-1.2	-1.1	-0.04

### Retail Sales Index

- In the fourth quarter of 2022, the Retail Sales Index of Chungbuk fell by 1.4% year-on-year, which was 0.6%p higher compared to a 2.0% decrease in the third quarter of 2022.

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

	Weight	2021	4Q	2022 <sup>P</sup>	1Q	2Q	3Q	4Q <sup>P</sup>	Contribution
Retail Sales Index	1000.0	105.5	110.1	103.5	98.6	103.6	103.3	108.6	-
Year-on-year	-	2.6	3.8	-1.9	-2.1	-2.0	-2.0	-1.4	-
- Department stores	-	-	-	-	-	-	-	-	-
- Large discount stores	71.8	-3.8	-6.1	-5.6	-8.2	-8.6	-5.0	-0.1	-0.01
- Duty-free shops	-	-	-	-	-	-	-	-	-
- Supermarkets, convenient stores and other retail sale in non-specialized stores	196.5	-2.3	-2.5	-0.3	1.0	0.7	-1.9	-0.9	-0.20
- Passenger cars & fuel stores	328.4	3.5	0.8	-0.3	-6.5	-4.4	3.2	6.4	2.42
- Specialized stores	367.7	6.2	13.5	-4.2	2.1	-0.2	-7.6	-9.8	-3.17

## 11. Chungnam

### Index of Services

- In the fourth quarter of 2022, the Index of Services for Chungnam went up by 4.8% year-on-year, which was 0.7%p higher compared to a 4.1% increase in the third quarter of 2022.

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

	Weight	2020	4Q	2022 <sup>P</sup>	1Q	2Q	3Q	4Q <sup>P</sup>	Contribution
Index of Services	1000.0	108.6	111.7	113.0	106.6	114.0	114.3	117.1	-
Year-on-year	-	3.9	4.0	4.1	3.3	4.1	4.1	4.8	-
- Wholesale and retail trade	190.9	2.3	2.3	1.7	0.6	1.6	2.6	2.2	0.39
- Transportation and storage	89.2	5.6	7.8	3.7	5.2	5.5	4.8	-0.3	-0.02
- Accommodation and food service activities	82.3	2.5	16.7	19.9	10.2	17.7	20.4	28.2	1.92
- Information and communication	41.7	6.3	6.3	5.0	7.8	6.5	3.6	2.0	0.09
- Financial and insurance activities	69.0	6.0	6.8	8.4	5.5	7.9	8.4	11.9	1.10
- Real estate activities	22.2	12.2	10.8	2.0	9.9	5.6	-1.6	-4.8	-0.15
- Professional, scientific and technical activities	40.4	7.3	5.6	2.8	0.0	0.9	7.3	3.5	0.16
- Business facilities management and business support services; rental and leasing activities	53.2	2.4	1.3	5.7	4.6	4.0	5.3	8.3	0.38
- Education	192.1	0.1	-3.6	-1.3	-0.1	-2.8	-0.5	-2.1	-0.36
- Human health and social work activities	124.3	2.3	3.7	3.9	4.2	5.8	1.0	5.0	0.75
- Arts, sports and recreation related services	23.9	10.2	19.1	18.7	20.0	21.3	23.9	10.3	0.21
- Membership organizations, repair and other personal services	43.0	3.6	7.6	9.5	4.5	10.9	10.1	11.5	0.47
- Water supply; sewage, waste management, materials recovery	27.9	18.5	-1.4	-8.4	-9.7	-8.4	-10.6	-4.5	-0.15

### Retail Sales Index

- In the fourth quarter of 2022, the Retail Sales Index of Chungnam went up by 0.8% year-on-year, which turned into an increase from a 0.2% decrease in the third quarter of 2022.

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

	Weight	2021	4Q	2022 <sup>P</sup>	1Q	2Q	3Q	4Q <sup>P</sup>	Contribution
Retail Sales Index	1000.0	108.7	111.3	107.7	100.7	108.4	109.5	112.2	-
Year-on-year	-	1.1	1.6	-0.9	-2.5	-1.7	-0.2	0.8	-
- Department stores	-	-	-	-	-	-	-	-	-
- Large discount stores	77.4	-0.1	-1.9	-3.7	-4.5	-4.4	-7.3	1.9	0.13
- Duty-free shops	-	-	-	-	-	-	-	-	-
- Supermarkets, convenient stores and other retail sale in non-specialized stores	214.4	-4.4	-2.6	-2.3	-1.4	-1.6	-4.0	-2.0	-0.42
- Passenger cars & fuel stores	328.5	2.0	-0.5	-0.2	-4.9	-5.5	3.5	6.1	2.27
- Specialized stores	344.1	3.5	6.5	-0.7	-0.9	2.3	-0.6	-3.7	-1.14

## 12. Jeonbuk

### Index of Services

- In the fourth quarter of 2022, the Index of Services for Jeonbuk went up by 4.1% year-on-year, which remained the same as the third quarter of 2022 (4.1%).

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

	Weight	2020	4Q	2022 <sup>P</sup>	1Q	2Q	3Q	4Q <sup>P</sup>	Contribution
Index of Services	1000.0	106.2	109.5	110.4	104.4	111.6	111.5	114.0	-
Year-on-year	-	2.5	4.6	4.0	3.2	4.4	4.1	4.1	-
- Wholesale and retail trade	191.7	2.5	4.1	1.9	3.7	1.7	1.3	0.9	0.16
- Transportation and storage	77.7	1.2	6.7	6.4	4.8	9.0	8.1	3.8	0.26
- Accommodation and food service activities	75.7	0.8	18.9	20.0	12.2	18.9	26.9	20.4	1.13
- Information and communication	40.5	2.7	2.9	3.2	6.2	7.3	2.6	-2.7	-0.12
- Financial and insurance activities	106.2	5.2	4.1	6.2	1.5	5.9	7.2	10.0	1.40
- Real estate activities	21.0	3.9	4.3	2.4	7.4	6.1	-0.9	-2.3	-0.06
- Professional, scientific and technical activities	43.2	5.8	5.3	2.3	-3.0	0.4	5.3	6.2	0.26
- Business facilities management and business support services; rental and leasing activities	38.4	2.7	4.8	-0.8	1.3	0.4	-2.9	-1.8	-0.07
- Education	160.8	0.2	-1.2	0.2	0.0	-0.5	0.9	0.2	0.03
- Human health and social work activities	151.2	1.9	3.5	3.6	4.1	5.9	0.5	4.0	0.70
- Arts, sports and recreation related services	24.6	7.9	16.6	6.7	6.2	1.5	7.6	11.8	0.30
- Membership organizations, repair and other personal services	45.1	2.1	7.6	5.5	2.2	7.9	5.7	6.1	0.25
- Water supply; sewage, waste management, materials recovery	24.0	2.1	4.4	-1.5	3.6	-3.9	1.8	-6.1	-0.15

### Retail Sales Index

- In the fourth quarter of 2022, the Retail Sales Index of Jeonbuk fell by 0.7% year-on-year, which was 1.1%p higher compared to a 1.8% decrease in the third quarter of 2022.

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

	Weight	2021	4Q	2022 <sup>P</sup>	1Q	2Q	3Q	4Q <sup>P</sup>	Contribution
Retail Sales Index	1000.0	103.4	105.7	102.6	98.2	103.0	104.1	105.0	-
Year-on-year	-	1.1	3.3	-0.8	0.9	-1.5	-1.8	-0.7	-
- Department stores	-	-	-	-	-	-	-	-	-
- Large discount stores	77.4	-4.5	-10.9	-5.5	-6.2	-7.1	-4.3	-4.9	-0.26
- Duty-free shops	-	-	-	-	-	-	-	-	-
- Supermarkets, convenient stores and other retail sale in non-specialized stores	177.0	-0.9	4.2	-1.1	1.0	2.1	-3.9	-3.0	-0.52
- Passenger cars & fuel stores	303.8	0.2	-1.4	-1.7	-6.9	-7.5	0.8	6.5	2.21
- Specialized stores	416.7	2.6	8.8	0.5	8.6	2.3	-3.0	-5.3	-2.13

### 13. Jeonnam

#### Index of Services

- In the fourth quarter of 2022, the Index of Services for Jeonnam went up by 3.0% year-on-year, which was 1.0%p lower compared to a 4.0% increase in the third quarter of 2022.

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

	Weight	2020	4Q	2022 <sup>P</sup>	1Q	2Q	3Q	4Q <sup>P</sup>	Contribution
Index of Services	1000.0	108.2	111.8	112.1	106.8	113.4	113.1	115.1	-
Year-on-year	-	2.5	4.7	3.6	3.4	3.9	4.0	3.0	-
- Wholesale and retail trade	182.5	2.3	3.8	1.3	1.6	1.5	2.0	0.2	0.03
- Transportation and storage	110.3	1.2	6.1	1.8	4.6	2.1	-0.2	0.9	0.09
- Accommodation and food service activities	75.6	1.1	17.3	19.8	13.8	20.7	26.1	17.3	1.20
- Information and communication	46.4	3.8	2.4	1.9	3.1	5.8	0.7	-1.4	-0.07
- Financial and insurance activities	80.5	5.4	4.7	8.7	5.1	8.0	8.7	13.0	1.40
- Real estate activities	18.2	3.0	4.5	0.0	6.0	-0.5	0.2	-5.5	-0.13
- Professional, scientific and technical activities	36.0	0.7	-0.9	2.0	-0.3	2.4	4.1	1.9	0.06
- Business facilities management and business support services; rental and leasing activities	48.8	1.6	2.1	4.7	-0.2	1.3	10.9	6.9	0.31
- Education	155.2	1.4	1.8	0.6	1.8	0.4	0.5	-0.2	-0.03
- Human health and social work activities	150.0	1.9	3.2	2.9	2.9	5.4	0.2	3.1	0.51
- Arts, sports and recreation related services	28.6	3.8	8.5	6.0	8.4	3.0	12.6	1.1	0.03
- Membership organizations, repair and other personal services	40.3	-0.5	4.4	4.5	2.9	7.8	3.5	3.2	0.12
- Water supply; sewage, waste management, materials recovery	27.9	11.6	12.0	-8.1	0.9	-12.7	-5.3	-14.2	-0.50

#### Retail Sales Index

- In the fourth quarter of 2022, the Retail Sales Index of Jeonnam went down by 2.0% year-on-year, which was 1.0%p lower from a 1.0% decrease in the third quarter of 2022.

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

	Weight	2021	4Q	2022 <sup>P</sup>	1Q	2Q	3Q	4Q <sup>P</sup>	Contribution
Retail Sales Index	1000.0	110.2	112.7	108.4	104.2	110.1	108.8	110.4	-
Year-on-year	-	4.2	7.2	-1.6	-2.8	-0.8	-1.0	-2.0	-
- Department stores	-	-	-	-	-	-	-	-	-
- Large discount stores	68.8	0.3	0.5	-6.7	-5.5	-5.9	-7.1	-8.4	-0.45
- Duty-free shops	-	-	-	-	-	-	-	-	-
- Supermarkets, convenient stores and other retail sale in non-specialized stores	205.2	-2.1	2.0	-2.5	-0.9	0.1	-2.0	-7.1	-1.47
- Passenger cars & fuel stores	324.4	12.2	12.6	-0.4	-9.8	-1.3	3.7	5.6	2.22
- Specialized stores	392.6	0.1	5.8	-1.6	5.2	0.0	-4.8	-6.7	-2.23

## 14. Gyeongbuk

### Index of Services

- In the fourth quarter of 2022, the Index of Services for Gyeongbuk went up by 1.4% year-on-year, which was 1.2%p lower compared to a 2.6% increase in the third quarter of 2022.

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

	Weight	2020	4Q	2022 <sup>P</sup>	1Q	2Q	3Q	4Q <sup>P</sup>	Contribution
Index of Services	1000.0	104.1	107.7	106.9	102.9	108.3	107.1	109.2	-
Year-on-year	-	3.5	4.7	2.7	3.4	3.2	2.6	1.4	-
- Wholesale and retail trade	187.9	3.2	3.6	2.2	2.6	1.8	3.3	1.5	0.26
- Transportation and storage	98.0	7.1	9.6	-0.8	2.4	3.4	-0.1	-8.6	-0.78
- Accommodation and food service activities	79.5	5.6	16.4	13.4	9.4	15.6	17.8	10.1	0.74
- Information and communication	40.9	3.6	3.5	2.4	6.2	6.2	0.4	-2.8	-0.13
- Financial and insurance activities	76.7	4.0	3.0	5.9	0.5	4.2	5.9	12.8	1.22
- Real estate activities	18.8	9.3	3.6	-1.6	3.1	-2.7	-3.7	-3.4	-0.07
- Professional, scientific and technical activities	46.3	4.2	3.7	3.6	10.2	2.8	-1.5	3.4	0.17
- Business facilities management and business support services; rental and leasing activities	43.5	2.0	-0.8	-0.4	3.3	1.4	-4.5	-1.7	-0.07
- Education	176.0	2.1	3.0	0.1	4.3	-1.0	-2.0	-0.9	-0.15
- Human health and social work activities	125.8	2.3	3.6	3.0	3.3	4.7	3.7	0.2	0.04
- Arts, sports and recreation related services	31.0	7.4	11.0	6.6	10.2	5.1	8.6	3.8	0.11
- Membership organizations, repair and other personal services	40.7	3.1	6.5	4.3	-0.7	5.7	5.3	6.1	0.24
- Water supply; sewage, waste management, materials recovery	34.9	-0.8	-2.7	-5.6	-7.1	-4.0	-6.6	-5.1	-0.17

### Retail Sales Index

- In the fourth quarter of 2022, the Retail Sales Index of Gyeongbuk rose by 0.5% year-on-year, which was 0.7%p lower compared to a 1.2% increase in the third quarter of 2022.

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

	Weight	2021	4Q	2022 <sup>P</sup>	1Q	2Q	3Q	4Q <sup>P</sup>	Contribution
Retail Sales Index	1000.0	101.9	105.2	101.7	96.7	100.9	103.4	105.7	-
Year-on-year	-	2.1	3.4	-0.2	-0.6	-1.8	1.2	0.5	-
- Department stores	-	-	-	-	-	-	-	-	-
- Large discount stores	80.2	2.2	-1.0	-6.1	-3.4	-4.4	-7.6	-8.7	-0.55
- Duty-free shops	-	-	-	-	-	-	-	-	-
- Supermarkets, convenient stores and other retail sale in non-specialized stores	208.7	-1.8	3.0	-0.2	1.2	1.1	0.5	-3.5	-0.75
- Passenger cars & fuel stores	345.9	2.4	-2.1	-1.9	-8.6	-7.9	1.2	7.4	2.83
- Specialized stores	350.2	4.2	11.9	3.1	8.9	4.1	3.8	-3.5	-1.13

## 15. Gyeongnam

### Index of Services

- In the fourth quarter of 2022, the Index of Services for Gyeongnam went up by 2.7% year-on-year, which was 3.3%p lower compared to a 6.0% increase in the third quarter of 2022.

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

	Weight	2020	4Q	2022 <sup>P</sup>	1Q	2Q	3Q	4Q <sup>P</sup>	Contribution
Index of Services	1000.0	105.0	109.2	109.7	104.7	110.9	111.1	112.1	-
Year-on-year	-	2.5	4.2	4.5	4.0	5.5	6.0	2.7	-
- Wholesale and retail trade	200.9	2.7	3.1	2.8	3.4	3.0	2.5	2.3	0.44
- Transportation and storage	94.8	6.0	9.1	4.5	7.2	5.5	7.3	-1.4	-0.13
- Accommodation and food service activities	79.8	1.4	16.3	18.7	12.0	21.4	29.7	10.6	0.67
- Information and communication	40.4	3.1	3.1	2.4	5.7	5.8	0.5	-2.1	-0.09
- Financial and insurance activities	103.3	2.3	2.2	7.8	2.0	8.2	8.6	12.4	1.43
- Real estate activities	26.4	6.3	4.5	-1.2	3.7	2.5	-1.1	-9.3	-0.29
- Professional, scientific and technical activities	49.3	1.9	0.8	2.3	2.1	0.4	7.6	-0.3	-0.01
- Business facilities management and business support services; rental and leasing activities	42.6	2.4	3.1	0.0	2.3	0.9	-0.7	-2.1	-0.08
- Education	139.9	2.2	2.2	1.8	2.7	2.2	1.7	0.7	0.09
- Human health and social work activities	136.7	2.0	3.5	5.1	5.2	7.2	5.6	2.6	0.44
- Arts, sports and recreation related services	24.3	0.9	16.1	14.9	13.2	17.1	22.2	6.7	0.14
- Membership organizations, repair and other personal services	39.9	-1.2	3.8	2.9	-1.0	2.9	4.1	5.0	0.18
- Water supply; sewage, waste management, materials recovery	21.7	-1.1	-3.7	-5.5	-5.6	-7.3	-4.2	-4.9	-0.12

### Retail Sales Index

- In the fourth quarter of 2022, the Retail Sales Index of Gyeongnam grew by 5.8% year-on-year, which was 3.0%p higher compared to a 2.8% increase in the third quarter of 2022.

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

	Weight	2021	4Q	2022 <sup>P</sup>	1Q	2Q	3Q	4Q <sup>P</sup>	Contribution
Retail Sales Index	1000.0	102.7	106.9	105.1	98.9	103.5	105.0	113.1	-
Year-on-year	-	0.4	-0.1	2.3	-1.0	1.6	2.8	5.8	-
- Department stores	42.5	11.1	23.4	10.0	11.9	12.9	17.5	0.8	0.03
- Large discount stores	76.8	-1.3	-2.6	1.6	-6.8	-4.4	5.7	12.4	0.76
- Duty-free shops	-	-	-	-	-	-	-	-	-
- Supermarkets, convenient stores and other retail sale in non-specialized stores	203.2	-4.5	-1.4	-2.5	1.2	-1.8	-4.6	-4.8	-0.87
- Passenger cars & fuel stores	346.5	0.1	-7.9	4.8	-9.9	1.7	8.8	18.4	7.42
- Specialized stores	331.0	3.7	10.6	1.5	10.1	3.3	-1.5	-4.9	-1.52

## 16. Jeju

### Index of Services

- In the fourth quarter of 2022, the Index of Services for Jeju went up by 4.6% year-on-year, which was 3.9%p lower compared to an 8.5% increase in the third quarter of 2022.

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

	Weight	2020	4Q	2022 <sup>P</sup>	1Q	2Q	3Q	4Q <sup>P</sup>	Contribution
Index of Services	1000.0	108.5	116.0	117.8	111.0	119.5	119.4	121.3	-
Year-on-year	-	2.6	9.0	8.6	9.9	11.6	8.5	4.6	-
- Wholesale and retail trade	189.6	2.9	6.1	2.0	4.5	1.2	3.0	-0.5	-0.08
- Transportation and storage	82.2	1.1	8.5	12.5	7.6	11.1	20.4	11.2	0.88
- Accommodation and food service activities	135.7	5.9	22.2	20.5	32.1	28.4	27.1	2.3	0.29
- Information and communication	117.1	-5.8	6.0	11.6	14.5	26.9	-5.6	13.8	1.59
- Financial and insurance activities	76.5	4.6	4.2	8.9	4.6	8.4	10.3	12.2	1.40
- Real estate activities	16.8	12.3	22.6	6.3	9.1	19.2	-0.6	-1.5	-0.03
- Professional, scientific and technical activities	36.7	2.1	5.2	-0.6	-1.4	2.3	-8.0	3.2	0.12
- Business facilities management and business support services; rental and leasing activities	58.1	17.1	23.7	12.8	27.6	19.0	18.2	-6.6	-0.44
- Education	105.4	-0.6	0.6	1.3	0.1	0.0	2.6	2.6	0.24
- Human health and social work activities	92.5	2.1	4.2	5.8	7.8	8.2	6.7	0.7	0.07
- Arts, sports and recreation related services	49.5	10.9	24.9	17.8	20.4	14.3	35.2	4.7	0.15
- Membership organizations, repair and other personal services	31.4	1.4	8.4	9.2	8.2	11.2	6.9	10.4	0.31
- Water supply; sewage, waste management, materials recovery	8.6	-0.3	-0.6	4.7	2.7	2.9	6.2	6.8	0.06

### Retail Sales Index

- In the fourth quarter of 2022, the Retail Sales Index of Jeju fell by 5.1% year-on-year, which turned into a decrease from a 2.0% increase in the third quarter of 2022.

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

	Weight	2021	4Q	2022 <sup>P</sup>	1Q	2Q	3Q	4Q <sup>P</sup>	Contribution
Retail Sales Index	1000.0	107.9	110.4	107.8	104.7	113.0	108.5	104.8	-
Year-on-year	-	5.9	11.3	-0.1	4.8	-1.7	2.0	-5.1	-
- Department stores	-	-	-	-	-	-	-	-	-
- Large discount stores	80.9	1.4	0.3	-3.5	-2.5	-5.3	-2.1	-4.5	-0.31
- Duty-free shops	195.0	28.2	47.8	0.4	28.3	1.1	6.0	-24.5	-4.43
- Supermarkets, convenient stores and other retail sale in non-specialized stores	188.3	-1.5	3.4	-1.2	3.4	-0.5	-2.0	-5.1	-1.11
- Passenger cars & fuel stores	220.0	5.9	5.8	1.3	-2.9	-6.0	6.2	8.9	2.37
- Specialized stores	315.9	2.5	8.7	-0.2	4.2	1.7	-0.1	-6.1	-1.63

## 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 2022, 'Real estate activities' fell by 26.8% year-on-year.

(Retail Sales Index)

As for the Retail Sales Index of Sejong in the fourth quarter of 2022, 'Large discount stores' rose by 3.8% year-on-year. Whereas, 'Passenger cars & fuel stores' fell by 0.4% year-on-year.

(Year-on-year, %)

		Weight	2021	4Q	2022 <sup>P</sup>	1Q	2Q	3Q	4Q <sup>P</sup>
Index of Services	- Real estate activities	66.8	6.2	15.5	-7.5	5.7	-0.2	-5.2	-26.8
Retail Sales Index	- Large discount stores	155.0	6.6	-0.3	1.8	3.0	1.2	-0.9	3.8
	- Passenger cars & fuel stores	338.3	7.0	-1.2	-1.2	0.3	-4.0	-0.4	-0.4

## The Index of Service and Retail Sales Index by Province in 2022

### 1. Seoul

(Index of Services)

In 2022, the Index of Services for Seoul increased by 4.2% year-on-year due to the rise in 'Transportation and storage' (21.1%), 'Accommodation and food service activities' (25.3%) and 'Wholesale and retail trade' (3.8%) despite the drop in 'Real estate activities' (-9.6%).

(Retail Sales Index)

In 2022, the Retail Sales Index of Seoul went down by 1.0% year-on-year owing to the drop in 'Duty-free shops' (-10.2%) and 'Passenger cars & fuel stores' (-3.5%) in spite of the rise in 'Department stores' (6.9%) and 'Specialized stores' (1.4%).

### 2. Busan

(Index of Services)

In 2022, the Index of Services for Busan increased by 5.5% year-on-year due to the rise in 'Accommodation and food service activities' (25.5%), 'Transportation and storage' (6.9%) and 'Arts, sports and recreation related services' (102.8%) in spite of the drop in 'Real estate activities' (-4.9%).

(Retail Sales Index)

In 2022, the Retail Sales Index of Busan went down by 0.3% year-on-year owing to the drop in 'Specialized stores' (-4.6%) and 'Large discount stores' (-7.4%) despite the rise in 'Department stores' (11.1%) and 'Passenger cars & fuel stores' (1.8%).

### 3. Daegu

(Index of Services)

In 2022, the Index of Services for Daegu went up by 3.3% year-on-year due to the rise in 'Human health and social work activities' (7.3%), 'Financial and insurance activities' (6.3%) and 'Accommodation and food service activities' (14.8%) despite the drop in 'Real estate activities' (-18.1%).

(Retail Sales Index)

In 2022, the Retail Sales Index of Daegu went down by 0.6% year-on-year owing to the decrease in 'Large discount stores' (-4.2%) and 'Specialized stores' (-0.8%) despite the increase in 'Department stores' (3.0%).

### 4. Incheon

(Index of Services)

In 2022, the Index of Services for Incheon increased by 6.8% year-on-year due to the rise in 'Transportation and storage' (15.0%), 'Human health and social work activities' (8.4%) and 'Accommodation and food service activities' (17.2%) despite the drop in 'Water supply; sewage, waste management, materials recovery' (-4.0%).

(Retail Sales Index)

In 2022, the Retail Sales Index of Incheon went up by 2.2% year-on-year owing to the rise in 'Duty-free shops' (233.3%) and 'Passenger cars & fuel stores' (1.5%) despite the drop in 'Large discount stores' (-7.3%) and 'Specialized stores' (-0.4%).

### 5. Gwangju

(Index of Services)

In 2022, the Index of Services for Gwangju increased by 2.8% year-on-year due to the rise in 'Human health and social work activities' (4.4%), 'Accommodation and food service activities' (10.1%) and 'Financial and insurance activities' (3.7%) despite the drop in 'Real estate activities' (-5.3%).

(Retail Sales Index)

In 2022, the Retail Sales Index of Gwangju decreased by 2.4% year-on-year owing to the drop in 'Specialized stores' (-5.3%) and 'Large discount stores' (-7.5%) despite the rise in 'Department stores' (5.5%) and 'Supermarkets, convenient stores and other retail sale in non-specialized stores' (0.5%).

### 6. Daejeon

(Index of Services)

In 2022, the Index of Services for Daejeon grew by 4.6% year-on-year due to the increase in 'Financial and insurance activities' (12.8%), 'Human health and social work activities' (6.0%) and 'Accommodation and food service activities' (15.7%) despite the decrease in 'Real estate activities' (-2.8%).

(Retail Sales Index)

In 2022, the Retail Sales Index of Daejeon edged up by 0.1% year-on-year owing to the rise in 'Department stores' (32.0%) despite the drop in 'Specialized stores' (-7.3%) and 'Large discount stores' (-6.7%).

## 7. Ulsan

### (Index of Services)

In 2022, the Index of Services for Ulsan rose by 4.1% year-on-year due to the increase in 'Human health and social work activities' (6.5%), 'Accommodation and food service activities' (15.8%) and 'Wholesale and retail trade' (2.6%) despite the decrease in 'Real estate activities' (-6.8%).

### (Retail Sales Index)

In 2022, the Retail Sales Index of Ulsan fell by 1.7% year-on-year owing to the drop in 'Large discount stores' (-6.1%), 'Supermarkets, convenient stores and other retail sale in non-specialized stores' (-2.4%), 'Department stores' (-4.2%) and 'Specialized stores' (-0.6%).

## 8. Gyeonggi

### (Index of Services)

In 2022, the Index of Services for Gyeonggi grew by 5.8% year-on-year due to the rise in 'Human health and social work activities' (10.6%), 'Accommodation and food service activities' (20.4%) and 'Wholesale and retail trade' (4.0%) despite the decrease in 'Real estate activities' (-4.8%).

### (Retail Sales Index)

In 2022, the Retail Sales Index of Gyeonggi went down by 0.1% year-on-year owing to the drop in 'Large discount stores' (-3.6%) and 'Passenger cars & fuel stores' (-1.2%) despite the rise in 'Department stores' (7.6%) and 'Specialized stores' (0.9%).

## 9. Gangwon

### (Index of Services)

In 2022, the Index of Services for Gangwon increased by 5.5% year-on-year due to the rise in 'Accommodation and food service activities' (17.3%), 'Arts, sports and recreation related services' (19.5%) and 'Human health and social work activities' (6.0%) despite the drop in 'Water supply; sewage, waste management, materials recovery' (-2.1%).

### (Retail Sales Index)

In 2022, the Retail Sales Index of Gangwon fell by 0.6% year-on-year owing to the drop in 'Specialized stores' (-2.1%) and 'Large discount stores' (-3.4%) despite the rise in 'Supermarkets, convenient stores and other retail sale in non-specialized stores' (1.6%).

## 10. Chungbuk

### (Index of Services)

In 2022, the Index of Services for Chungbuk increased by 4.0% year-on-year due to the rise in 'Accommodation and food service activities' (22.4%), 'Human health and social work activities' (5.1%) and 'Transportation and storage' (8.5%) despite the drop in 'Professional, scientific and technical activities' (-0.4%).

### (Retail Sales Index)

In 2022, the Retail Sales Index of Chungbuk fell by 1.9% year-on-year owing to the drop in 'Specialized stores' (-4.2%), 'Large discount stores' (-5.6%), 'Passenger cars & fuel stores' (-0.3%) and 'Supermarkets, convenient stores and other retail sale in non-specialized stores' (-0.3%).

## 11. Chungnam

### (Index of Services)

In 2022, the Index of Services for Chungnam grew by 4.1% year-on-year due to the rise in 'Accommodation and food service activities' (19.9%), 'Financial and insurance activities' (8.4%) and 'Human health and social work activities' (3.9%) despite the drop in 'Water supply; sewage, waste management, materials recovery' (-8.4%).

### (Retail Sales Index)

In 2022, the Retail Sales Index of Chungnam decreased by 0.9% year-on-year owing to the drop in 'Supermarkets, convenient stores and other retail sale in non-specialized stores' (-2.3%), 'Large discount stores' (-3.7%), 'Specialized stores' (-0.7%) and 'Passenger cars & fuel stores' (-0.2%).

## 12. Jeonbuk

### (Index of Services)

In 2022, the Index of Services for Jeonbuk rose by 4.0% year-on-year due to the rise in 'Accommodation and food service activities' (20.0%), 'Financial and insurance activities' (6.2%), 'Human health and social work activities' (3.6%) and 'Transportation and storage' (6.4%) despite the drop in 'Water supply; sewage, waste management, materials recovery' (-1.5%).

### (Retail Sales Index)

In 2022, the Retail Sales Index of Jeonbuk fell by 0.8% year-on-year owing to the drop in 'Passenger cars & fuel stores' (-1.7%) and 'Large discount stores' (-5.5%) despite the rise in 'Specialized stores' (0.5%).

## 13. Jeonnam

### (Index of Services)

In 2022, the Index of Services for Jeonnam grew by 3.6% year-on-year due to the rise in 'Accommodation and food service activities' (19.8%), 'Financial and insurance activities' (8.7%) and 'Human health and social work activities' (2.9%) despite the drop in 'Water supply; sewage, waste management, materials recovery' (-8.1%).

### (Retail Sales Index)

In 2022, the Retail Sales Index of Jeonnam fell by 1.6% year-on-year owing to the drop in 'Specialized stores' (-1.6%), 'Supermarkets, convenient stores and other retail sale in non-specialized stores' (-2.5%), 'Large discount stores' (-6.7%) and 'Passenger cars & fuel stores' (-0.4%).

## 14. Gyeongbuk

### (Index of Services)

In 2022, the Index of Services for Gyeongbuk went up by 2.7% year-on-year due to the rise in 'Accommodation and food service activities' (13.4%), 'Financial and insurance activities' (5.9%) and 'Human health and social work activities' (3.0%) in spite of the drop in 'Water supply; sewage, waste management, materials recovery' (-5.6%).

### (Retail Sales Index)

In 2022, the Retail Sales Index of Gyeongbuk declined by 0.2% year-on-year owing to the drop in 'Passenger cars & fuel stores' (-1.9%) and 'Large discount stores' (-6.1%) despite the rise in 'Specialized stores' (3.1%).

## 15. Gyeongnam

### (Index of Services)

In 2022, the Index of Services for Gyeongnam grew by 4.5% year-on-year due to the rise in 'Accommodation and food service activities' (18.7%), 'Financial and insurance activities' (7.8%) and 'Human health and social work activities' (5.1%) despite the drop in 'Water supply; sewage, waste management, materials recovery' (-5.5%).

### (Retail Sales Index)

In 2022, the Retail Sales Index of Gyeongnam grew by 2.3% year-on-year owing to the increase in 'Passenger cars & fuel stores' (4.8%) and 'Specialized stores' (1.5%) despite the decrease in 'Supermarkets, convenient stores and other retail sale in non-specialized stores' (-2.5%).

## 16. Jeju

### (Index of Services)

In 2022, the Index of Services for Jeju grew by 8.6% year-on-year due to the rise in 'Accommodation and food service activities' (20.5%), 'Information and communication' (11.6%) and 'Financial and insurance activities' (8.9%) in spite of the drop in 'Professional, scientific and technical activities' (-0.6%).

### (Retail Sales Index)

In 2022, the Retail Sales Index of Jeju edged down by 0.1% year-on-year owing to the drop in 'Large discount stores' (-3.5%) and 'Supermarkets, convenient stores and other retail sale in non-specialized stores' (-1.2%) in spite of the rise in 'Passenger cars & fuel stores' (1.3%) and 'Duty-free shops' (0.4%).

< Year-on-year percent change by province >

[Year-on-year, %]

Metropolitan cities and provinces	Index of services					Retail Sales Index				
	2018	2019	2020	2021	2022 <sup>P</sup>	2018	2019	2020	2021	2022 <sup>P</sup>
The nation	2.3	1.4	-2.0	4.4	4.8	4.3	2.4	-0.2	5.9	0.2
Seoul	3.6	1.7	1.3	5.8	4.2	5.6	5.2	-8.9	6.6	-1.0
Busan	1.9	0.3	-4.2	4.2	5.5	0.9	0.2	-4.4	6.8	-0.3
Daegu	1.3	0.6	-2.8	3.1	3.3	0.5	-1.0	-3.0	3.0	-0.6
Incheon	2.6	1.2	-9.6	2.6	6.8	3.5	0.5	-8.4	-0.8	2.2
Gwangju	2.1	1.3	-1.5	3.0	2.8	1.3	-1.9	-0.4	2.0	-2.4
Daejeon	1.3	0.7	-2.5	2.8	4.6	0.1	-1.1	0.2	4.4	0.1
Ulsan	0.7	-0.3	-3.2	2.0	4.1	-0.5	-0.8	-0.1	-0.8	-1.7
Gyeonggi	2.6	1.7	-1.0	4.3	5.8	2.3	-0.7	1.6	2.9	-0.1
Gangwon	2.1	0.2	-4.9	3.8	5.5	2.7	-0.6	-0.4	3.3	-0.6
Chungbuk	2.4	0.6	-3.0	3.0	4.0	1.4	-2.4	0.4	2.6	-1.9
Chungnam	1.8	1.3	-3.4	3.9	4.1	1.1	-0.5	1.7	1.1	-0.9
Jeonbuk	0.5	1.1	-1.2	2.5	4.0	-0.3	0.5	0.8	1.1	-0.8
Jeonnam	1.9	1.7	-1.9	2.5	3.6	2.0	-0.8	4.3	4.2	-1.6
Gyeongbuk	1.0	1.0	-4.4	3.5	2.7	-0.5	-1.1	0.5	2.1	-0.2
Gyeongnam	1.2	0.5	-2.3	2.5	4.5	-0.5	0.9	2.1	0.4	2.3
Jeju	2.4	2.2	-10.4	2.6	8.6	11.2	10.6	-26.8	5.9	-0.1