

information paper
on
business statistics

**RE-BASING OF THE RETAIL SALES AND
FOOD & BEVERAGE SERVICES INDICES
(2014 = 100)**

Singapore Department of Statistics
March 2015

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**RE-BASING OF THE RETAIL SALES AND
FOOD & BEVERAGE SERVICES INDICES (2014 = 100)**

I Introduction

1. Since 1985, the Department of Statistics has been compiling the Retail Sales Index (RSI) and Food & Beverage Services Index (FSI) to measure the short-term performance of retail trade and food & beverage (F&B) services industries.
2. Retail establishments refer to those selling merchandise directly to the consumers. F&B services establishments are those selling prepared food and drinks for in-premises consumption or on a take-away basis.
3. The RSI and FSI are re-based at regular intervals to reflect changes in the structure of retail trade and F&B services industries. During the re-basing exercise, the methodology, coverage and weights are reviewed and updated. The re-basing of the RSI and FSI series from reference year 2010 to 2014 is the 6th re-basing done on the series.
4. This information paper provides details on the rebased RSI and FSI, such as the data sources, methodology adopted, the formula used for index computation and a comparison of the re-based series and old series. Detailed weights for activities in retail and F&B services industries and the re-based index series for January 2014 to December 2014 are presented in the Annexes.

II What RSI and FSI Measure

5. The RSI measures the monthly movements in retail sales while the FSI measures the monthly movements in F&B sales. The two indices are presented at both current prices and constant prices. The indices at current prices measure the changes of sales values which can result from changes in both price and quantity. By removing the price effect, the indices at constant prices measure the changes in the volume of economic activity.

6. Both the RSI and FSI indices are seasonally adjusted to remove the seasonal effects so as to better reflect the underlying trend of the monthly sales. The indices show seasonal effects as there are usually intra-year periodic variations that repeat during the fixed period of time every year.

III Data Sources

7. The data used for the compilation of the RSI and FSI are primarily obtained from the Monthly Retail Sales Survey (RSS) and Monthly Food & Beverage Services Survey (FSS) conducted by the Department. The RSS covers retail establishments in the two-digit division of “47” of the Singapore Standard Industrial Classification 2010 (SSIC 2010) while the FSS covers F&B services establishments in the two-digit division of “56”. Hawkers and stall-holders which do not register with the Accounting & Corporate Regulatory Authority (ACRA) are excluded.

8. To reduce reporting burden administrative records from the Land Transport Authority (LTA) are also used in the estimation of the retail sales of motor vehicles and motorcycles & scooters.

IV Index Computation

9. The sales indices at current prices are computed from the sales value using the following formula:

$$I_{0n} = \sum_i W_i \frac{V_{in}}{V_{i0}} \times 100$$

where

I_{0n} is the index of the overall retail/F&B services industry for the current period n compared to the base period 0 (the base year being 2014);

V_{in} is the sales value of i^{th} industry during the current period n ;

V_{i0} is the sales value of i^{th} industry during the base period 0 ;

W_i is the weight assigned to the i^{th} industry, i.e. its share in terms of retail/F&B sales with respect to the overall retail/F&B services industry;

\sum_i is the summation of all industries in the retail/F&B services industry.

10. The overall sales index at current prices is a weighted average of indices from detailed industry level. To derive the sales index at detailed industry level, the monthly sales for that industry is divided by the average monthly sales for the same industry in the base year (which is 2014). The overall RSI/FSI is then computed by combining the sales indices of the detailed industries, using weights which measure each industry's relative importance in the overall retail/F&B services industry.

11. To derive the indices at constant prices, the sales indices at current prices at detailed industry level are first deflated by appropriate price indices. These component indices at constant prices are then weighted and aggregated to derive the overall indices at constant prices.

V The Re-based RSI and FSI Series

Sampling Methodology

12. The RSS and FSS use a stratified random sampling design. The sampling frame is obtained from the Department's Business Register which contains basic information of enterprises and establishments registered in Singapore. The data in the Business Register are primarily sourced from the registration records of the ACRA, which is the agency in charge of the registration of companies and businesses in Singapore.

13. The sampling frame was first stratified by industry group. Each industry group was then further stratified by size of operating receipts into three size strata (large, medium and small). The Lavallée-Hidiroglou (1988) algorithm was then applied within each industry group to determine the size stratum boundaries and the optimal sample size for a required level of precision. All enterprises in the large size stratum were selected with certainty whereas the enterprises in the medium and small size strata were selected using simple random sampling.

14. The RSS and FSS cover about 4,060 retail establishments and 970 F&B services establishments respectively.

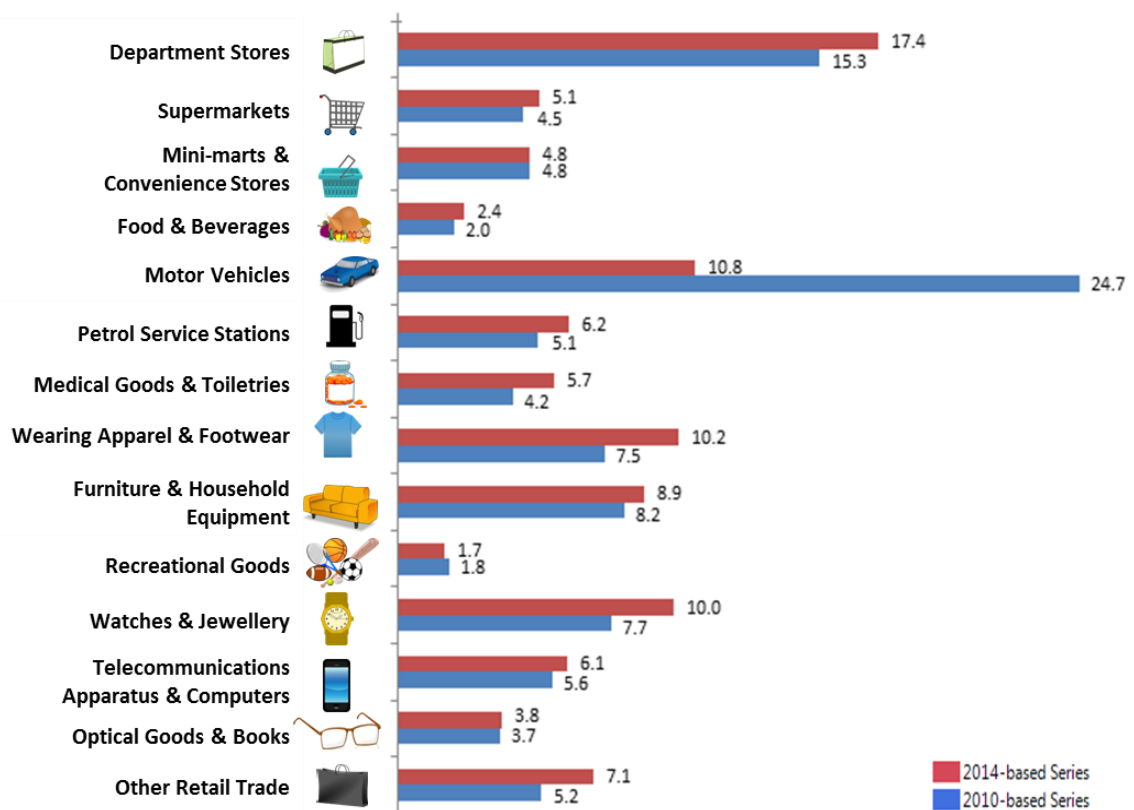
Weighting Pattern

15. The weight for each industry reflects its relative importance in the overall retail trade or F&B services industry. The weights are computed based on the retail/F&B sales of the respective industries obtained from the Annual Surveys of Retail Trade/Food & Beverage Services for reference year 2013. With effect from reference year 2010, taxes on motor vehicles and motorcycles, i.e. Certificates of Entitlement (COE) and Additional Registration Fee (ARF) were excluded from the

operating receipts and/or operating expenditure computed from the Annual Surveys data.

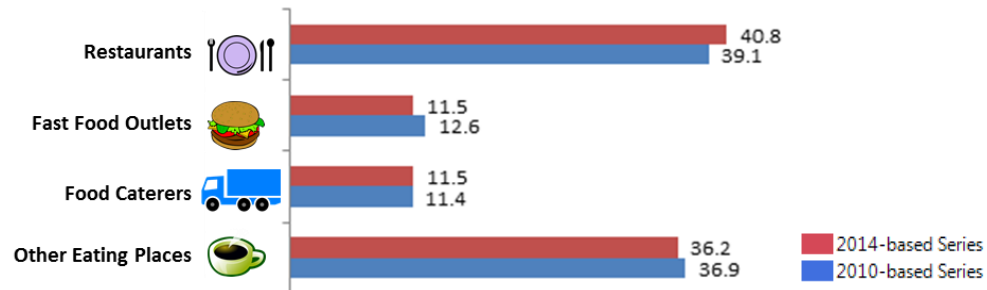
16. Chart 1 compares the old and new weights for RSI categories. The most significant change in weights occurs in the “Motor Vehicles” category which reduced from 24.7% of total retail trade to 10.8%. The reduction in weights is due to the exclusion of taxes on motor vehicles as well as lower motor vehicle sales. The weights of most of the other retail categories increased, for instance, “Wearing Apparel & Footwear” (+2.7 percentage points), “Watches & Jewellery” (+2.3 percentage points) and “Department Stores” (+2.1 percentage points).

Chart 1: Weighting Pattern of RSI in 2010-Based & 2014-Based Series



17. Chart 2 presents the old and new weights for FSI categories. The weights of the various F&B services categories generally remained at similar levels. The weights for “Restaurants” increased by 1.7 percentage points while the weights for “Fast Food Outlets” and “Other Eating Places” declined.

Chart 2: Weighting Pattern of FSI in 2010-Based & 2014-Based Series



VI Linking of Historical Series

18. To facilitate the time series analysis of the RSI and FSI series, the 2010-based series was linked to the 2014-based series using the following approach:

Linked 2014-based index = 2010-based index × Linking Coefficient

where the Linking Coefficient is the ratio of the average value of the 2014-based index in 2014 to the average value of the 2010-based index in 2014.

Example:

Average value of the 2010-based index in 2014 = 101.8

Average value of the 2014-based index in 2014 = 100

Linking Coefficient = 100/101.8

2010-based index in Jan 2013 = 114.1

2014-based index in Jan 2013 = 114.1 × (100/101.8) = 112.1

VII Comparison of 2010-based and 2014-based Series

19. Charts 3 and 4 compare the overall RSI and FSI at current prices of the 2010-based and 2014-based series during January to December 2014. Both series generally exhibit a similar trend. The differences observed are due to updates in the weighting pattern and the sample.

Chart 3: Retail Sales Index at Current Prices (2014=100)

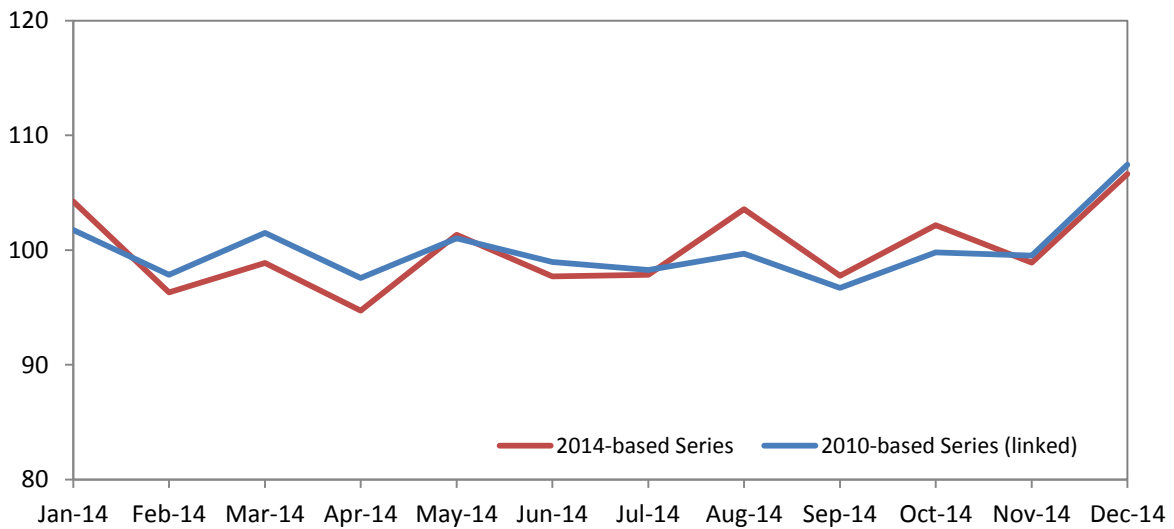
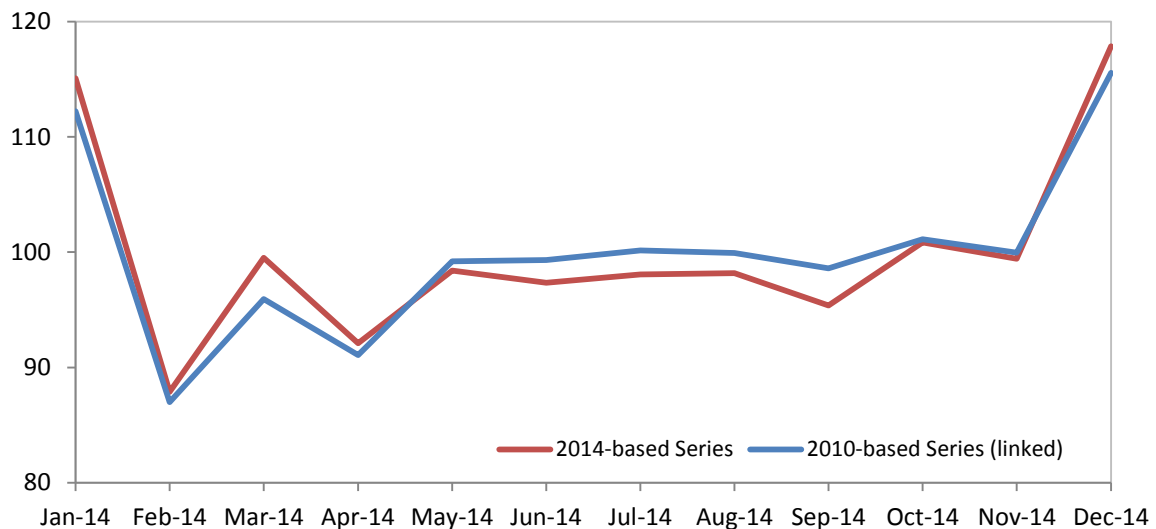


Chart 4: Food & Beverage Services Index at Current Prices (2014=100)



VIII Data Dissemination

20. The 2014-based series will be released with effect from the January 2015 Monthly Retail Sales and Food & Beverage Services Indices report. The monthly report and index series are available at the Department's website (<http://www.singstat.gov.sg>). The RSI and FSI are also published in the Monthly Digest of Statistics and Yearbook of Statistics.

Singapore Department of Statistics

March 2015

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WEIGHTS OF RETAIL TRADE CATEGORY BY ACTIVITY

SSIC 2010	Description of Activity	Weight
47	Total Retail Trade	10000
	Department Stores	1,738
47191	Department stores	748
47192	Department stores cum supermarkets (including hypermarkets)	990
47111	Supermarkets	511
47112	Mini-marts & Convenience Stores	478
	Food & Beverages	239
47211	Fruits and vegetables	33
47212	Meat, poultry, eggs and seafood	15
47213	Confectionery and bakery products (not manufactured on site)	76
47214	Health supplements	42
47219	Food nec	57
47220	Beverages	14
47230	Tobacco products	2
47311	Motor Vehicles	1,077
47320	Petrol Service Stations	621
	Medical Goods & Toiletries	566
47721	Cosmetics and toiletries	347
47722	Pharmacies and drug stores (Western)	109
47723	Chinese medicine shops	100
47729	Pharmaceutical and medical goods nec (eg Jamu shops)	10
	Wearing Apparel & Footwear	1,016
47711	Wearing apparel for adults	707
47712	Children and infants' wear (including products and accessories for infants)	27
47713	Footwear	117
47714	Bags, luggages and travel accessories	148
47715	Sewing and clothing accessories (eg button, thread, lace, zip)	2
47719	Clothing, footwear and leather articles nec	15
	Furniture & Household Equipment	894
47420	Audio and video equipment (eg radio and television sets, sound reproducing and recording equipment)	158
47510	Textiles	21
47531	Furniture (including mattresses, cushions)	395
47532	Furnishings (eg curtains, carpets, pillow cases)	34

WEIGHTS OF RETAIL TRADE CATEGORY BY ACTIVITY

SSIC 2010	Description of Activity	Weight
47533	Lighting and lighting accessories	25
47534	Crockery, cutlery and kitchen utensils	19
47535	Household electrical appliances and equipment (eg vacuum cleaners, washing machines, refrigerators)	162
47536	Musical instruments and scores	17
47537	Security and fire-fighting equipment	3
47539	Household appliances, furniture, lighting equipment and other household articles nec	60
	Recreational Goods	168
47620	Music and video recordings (eg record albums, compact discs, VCDs, DVDs)	17
47630	Sporting equipment (including bicycles, boats and healthcare equipment)	120
47640	Games and toys	31
	Watches & Jewellery	995
47731	Jewellery	569
47732	Costume jewellery	35
47733	Watches and clocks	381
47739	Personal effects nec	10
	Telecommunications Apparatus & Computers	614
47411	Pagers, handphones and other telecommunications apparatus	291
47412	Computer hardware and accessories and computer software (except games)	292
47413	Computer games (including electronic games and video game consoles)	16
47414	Computer and office equipment consumables (eg printer cartridges)	15
	Optical Goods & Books	377
47610	Books, newspaper and stationery (including newsvendors)	202
47751	Spectacles and other optical goods	92
47752	Cameras and other photographic goods	81
47759	Optical and photographic goods nec	2
	Others	706
47199	Retail sale in other non-specialised stores nec	105
47312	Motorcycles and scooters	43
47313	Tyres and batteries	55
47314	Spare parts and accessories for motor vehicles	89
47521	Paints	8
47522	Hardware (eg chains, changkols, axes)	30
47529	Hardware, paint and glass nec (eg wood, glass, sanitary ware, Do-It-Yourself materials)	20
47741	Antiques and works of art	33
47742	Handicrafts, collectibles and gifts	71
47743	Cut flowers (including wreaths)	26
47744	Artificial flowers and plants	2

WEIGHTS OF RETAIL TRADE CATEGORY BY ACTIVITY

SSIC 2010	Description of Activity	Weight
47745	Aquarium fishes (including food and accessories)	9
47746	Pet birds and animals (including food and accessories)	26
47749	Handicrafts and fancy goods, flowers, plants and pet animals nec	12
47761	Joss paper and other ceremonial products	21
47762	Liquefied Petroleum Gas (LPG)	48
47769	Specific commodities nec (eg jute bags)	3
47770	Retail sale of second-hand goods in stores	23
47910	Retail sale via mail order houses or via internet	49
47990	Other retail sale not in stores, stalls or markets (eg sale via door-to-door canvassing and vending machines)	33

WEIGHTS OF FOOD & BEVERAGE SERVICES CATEGORY BY ACTIVITY

SSIC 2010	Description of Activity	Weight
56	Total Food & Beverage Services	1,000
56111	Restaurants	408
56112	Fast Food Outlets	115
56201	Food Caterers	115
	Other Eating Places	362
56121	Cafes, coffee houses and snack bars	115
56122	Food courts, coffee shops, and eating houses (with mainly food and beverage income)	119
56130	Pubs (including bars)	26
56190	Other restaurants, cafes and bars	64
56202	Canteens	38

TABLE 1 RETAIL SALES INDEX
(2014 = 100)

		Total	Total (excl Motor Vehicles)	Dept Stores	Super- markets	Mini-marts & Conv Stores	Food & Beverages	Motor Vehicles	Petrol Service Stations	Medical Goods & Toiletries	Wearing Apparel & Footwear	Furniture & Household Equipment	Recreational Goods	Watches & Jewellery	Telecomm. Apparatus & Computers	Optical Goods & Books	Others
Weights		10,000	8,923	1,738	511	478	239	1,077	621	566	1,016	894	168	995	614	377	706
Period		At Current Prices															
2010		98.2	90.1	86.6	88.0	89.3	82.2	135.7	81.9	76.3	95.6	104.6	100.8	84.9	91.9	101.1	97.5
2011		102.6	97.1	92.7	88.8	95.0	88.2	128.0	94.3	83.7	101.4	107.3	104.3	100.9	103.3	99.0	103.6
2012		104.9	99.6	94.1	95.4	98.2	92.2	129.5	98.6	92.6	103.4	109.0	105.5	101.3	107.1	96.6	104.8
2013		99.6	100.5	97.6	99.5	100.2	96.9	95.5	99.6	96.2	103.9	104.2	106.1	102.1	99.2	100.5	105.6
2014		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2014	Jan	115.1	117.6	122.5	122.5	109.5	174.4	94.0	107.3	110.2	132.4	116.2	109.3	114.9	96.0	107.0	114.1
	Feb	87.9	89.0	85.0	87.0	83.6	83.1	78.9	90.6	90.9	91.6	78.2	92.3	108.5	82.5	92.1	88.2
	Mar	99.5	97.9	97.1	99.5	102.6	92.0	113.1	105.2	107.0	94.3	95.9	101.8	94.4	97.9	95.2	96.5
	Apr	92.1	92.9	90.5	95.0	98.9	90.8	85.3	102.1	93.5	88.3	94.4	92.5	91.1	87.8	98.3	94.3
	May	98.4	97.6	101.3	99.0	100.1	96.2	105.1	105.2	93.2	92.5	94.8	108.5	99.9	85.9	103.4	95.2
	Jun	97.3	96.8	96.3	94.9	96.7	88.5	101.5	99.4	105.9	98.3	105.2	97.8	89.2	91.5	97.8	95.2
	Jul	98.1	97.7	98.1	102.3	102.3	92.5	101.2	107.0	92.0	96.0	112.4	94.8	92.7	75.1	99.8	98.4
	Aug	98.2	97.7	98.6	104.3	105.5	101.6	101.8	105.6	98.1	92.9	92.0	99.7	97.4	81.4	103.0	102.6
	Sep	95.4	93.9	92.6	95.2	99.7	88.0	107.6	101.9	102.8	85.6	94.0	89.9	90.5	98.1	88.7	96.6
	Oct	100.8	100.5	98.3	99.7	103.5	94.4	103.4	99.6	95.5	92.4	98.5	96.9	100.4	130.1	93.3	104.9
	Nov	99.4	99.3	99.3	97.4	99.5	92.7	100.4	91.9	93.7	98.8	97.3	93.3	98.8	117.4	99.2	103.5
	Dec	117.8	119.1	120.4	103.2	98.2	105.6	107.7	84.1	117.3	136.8	121.2	123.3	122.1	156.4	122.1	110.6
		At Constant Prices															
2010		100.9	92.9	90.4	96.8	97.4	92.1	136.6	97.3	79.5	96.0	101.4	98.1	84.1	85.2	105.0	100.7
2011		102.9	97.9	95.7	94.8	101.1	95.6	125.1	100.3	85.6	101.8	105.0	103.2	90.8	100.2	101.5	105.0
2012		104.2	99.6	95.8	99.9	102.4	97.6	125.0	101.6	93.7	102.4	108.9	105.2	88.5	107.4	97.9	104.3
2013		99.7	100.7	98.4	102.2	102.9	100.3	95.2	100.3	96.4	102.6	104.4	106.9	98.1	99.5	100.8	104.5
2014		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2014	Jan	115.2	117.8	122.4	123.1	111.6	175.7	93.6	106.7	111.1	130.9	117.4	108.5	116.1	95.4	107.0	113.3
	Feb	88.1	89.5	86.0	88.0	85.2	84.3	77.3	90.1	90.9	93.0	79.4	92.1	107.2	82.3	92.2	88.7
	Mar	98.9	97.2	96.6	100.3	103.2	92.9	112.3	103.4	107.3	92.2	96.8	101.3	91.4	98.2	95.2	95.7
	Apr	91.6	92.3	89.8	95.2	99.0	91.2	85.4	99.9	92.9	86.4	95.2	92.0	90.4	87.7	98.4	93.6
	May	98.0	97.1	101.0	99.0	99.8	96.4	104.7	102.3	93.3	92.0	94.5	108.1	99.4	85.8	103.5	94.9
	Jun	97.5	97.1	97.1	95.0	96.6	88.6	100.5	96.2	106.5	100.6	105.0	97.4	89.4	91.0	97.9	96.1
	Jul	97.9	97.5	98.3	102.1	102.0	92.3	101.1	103.2	91.5	96.9	111.4	94.5	92.1	76.5	100.3	98.7
	Aug	97.6	97.1	97.8	104.0	105.4	101.1	102.0	104.2	97.3	91.4	91.1	99.1	97.0	82.5	103.5	101.8
	Sep	95.9	94.2	92.9	95.0	99.0	87.6	109.5	101.0	102.8	86.6	93.5	89.5	92.2	99.9	89.1	97.0
	Oct	100.8	100.4	98.0	99.1	102.3	93.7	104.6	101.0	94.8	92.7	98.1	96.9	101.3	129.0	92.8	104.8
	Nov	99.7	99.7	99.2	96.8	98.6	91.8	100.0	96.8	93.9	98.8	96.9	93.9	101.3	116.6	98.6	103.5
	Dec	118.9	120.0	121.0	102.4	97.3	104.4	109.0	95.1	117.9	138.4	120.6	126.6	122.3	155.2	121.5	111.7

**TABLE 2 PERCENTAGE CHANGE IN RETAIL SALES INDEX OVER PREVIOUS MONTH
(2014 = 100)**

		Total	Total (excl Motor Vehicles)	Dept Stores	Super- markets	Mini-marts & Conv Stores	Food & Beverages	Motor Vehicles	Petrol Service Stations	Medical Goods & Toiletries	Wearing Apparel & Footwear	Furniture & Household Equipment	Recreation al Goods	Watches & Jewellery	Telecomm. Apparatus & Computers	Optical Goods & Books	Others	
Weights		10,000	8,923	1,738	511	478	239	1,077	621	566	1,016	894	168	995	614	377	706	
Period																		
At Current Prices																		
2014	Jan	2.1	-1.2	1.9	17.1	8.9	65.8	13.2	10.8	-1.8	-8.7	-8.4	-19.9	-5.7	-23.8	-17.3	1.7	
	Feb	-23.6	-24.4	-30.6	-29.0	-23.7	-52.3	-16.0	-15.6	-17.5	-30.8	-32.7	-15.6	-5.6	-14.1	-13.9	-22.7	
	Mar	13.2	10.0	14.2	14.4	22.7	10.7	43.4	16.1	17.7	2.9	22.6	10.4	-13.0	18.7	3.4	9.4	
	Apr	-7.5	-5.1	-6.8	-4.6	-3.6	-1.3	-24.6	-3.0	-12.6	-6.3	-1.6	-9.2	-3.5	-10.3	3.3	-2.3	
	May	6.9	5.1	11.9	4.3	1.2	6.0	23.2	3.0	-0.3	4.7	0.4	17.3	9.7	-2.2	5.2	0.9	
	Jun	-1.1	-0.8	-5.0	-4.2	-3.4	-8.0	-3.5	-5.5	13.6	6.3	11.0	-9.8	-10.8	6.5	-5.5	0.1	
	Jul	0.7	0.9	1.9	7.8	5.8	4.6	-0.3	7.7	-13.1	-2.4	6.9	-3.1	3.9	-17.8	2.1	3.4	
	Aug	0.1	0.0	0.5	2.0	3.1	9.9	0.6	-1.3	6.6	-3.2	-18.2	5.1	5.1	8.3	3.2	4.2	
	Sep	-2.9	-3.9	-6.1	-8.7	-5.4	-13.4	5.7	-3.5	4.8	-7.8	2.2	-9.7	-7.1	20.6	-13.9	-5.9	
	Oct	5.7	7.1	6.1	4.7	3.7	7.2	-3.9	-2.2	-7.1	7.9	4.8	7.7	11.0	32.5	5.1	8.6	
	Nov	-1.4	-1.2	1.1	-2.3	-3.8	-1.8	-2.9	-7.8	-1.8	6.9	-1.3	-3.7	-1.6	-9.7	6.4	-1.3	
	Dec	18.5	19.9	21.2	5.9	-1.3	13.9	7.2	-8.5	25.2	38.5	24.6	32.1	23.6	33.2	23.0	6.9	
At Constant Prices																		
2014	Jan	1.3	-2.2	0.7	15.6	8.8	63.3	11.7	9.7	-1.6	-8.8	-7.6	-20.8	-7.3	-23.1	-17.5	2.0	
	Feb	-23.5	-24.0	-29.8	-28.5	-23.7	-52.0	-17.4	-15.6	-18.2	-29.0	-32.4	-15.1	-7.6	-13.8	-13.9	-21.7	
	Mar	12.2	8.7	12.4	13.9	21.2	10.3	45.3	14.8	18.1	-0.9	22.0	9.9	-14.8	19.3	3.3	7.9	
	Apr	-7.4	-5.1	-7.1	-5.1	-4.1	-1.9	-24.0	-3.4	-13.4	-6.3	-1.7	-9.2	-1.1	-10.6	3.3	-2.2	
	May	7.0	5.2	12.5	4.0	0.8	5.7	22.6	2.4	0.4	6.4	-0.7	17.6	10.0	-2.2	5.2	1.4	
	Jun	-0.5	0.0	-3.8	-4.0	-3.2	-8.1	-4.0	-5.9	14.1	9.3	11.0	-9.9	-10.0	6.1	-5.5	1.2	
	Jul	0.4	0.3	1.2	7.4	5.6	4.2	0.6	7.2	-14.1	-3.6	6.2	-3.0	3.0	-15.9	2.5	2.7	
	Aug	-0.2	-0.4	-0.5	1.9	3.3	9.5	0.9	1.0	6.4	-5.7	-18.2	4.8	5.3	7.8	3.2	3.1	
	Sep	-1.8	-3.0	-5.1	-8.7	-6.0	-13.3	7.3	-3.1	5.6	-5.2	2.6	-9.6	-4.9	21.0	-13.9	-4.8	
	Oct	5.2	6.5	5.5	4.4	3.3	6.9	-4.5	0.0	-7.8	7.0	4.9	8.3	9.8	29.2	4.2	8.1	
	Nov	-1.1	-0.7	1.2	-2.4	-3.7	-2.1	-4.4	-4.1	-0.9	6.6	-1.2	-3.2	0.1	-9.7	6.2	-1.2	
	Dec	19.2	20.4	21.9	5.9	-1.3	13.8	9.1	-1.8	25.5	40.0	24.5	34.9	20.7	33.1	23.2	7.9	

**TABLE 3 PERCENTAGE CHANGE IN RETAIL SALES INDEX OVER CORRESPONDING PERIOD OF PREVIOUS YEAR
(2014 = 100)**

		Total	Total (excl Motor Vehicles)	Dept Stores	Super- markets	Mini-marts & Conv Stores	Food & Beverages	Motor Vehicles	Petrol Service Stations	Medical Goods & Toiletries	Wearing Apparel & Footwear	Furniture & Household Equipment	Recreation al Goods	Watches & Jewellery	Telecomm. Apparatus & Computers	Optical Goods & Books	Others
Weights		10,000	8,923	1,738	511	478	239	1,077	621	566	1,016	894	168	995	614	377	706
Period		At Current Prices															
2011		4.4	7.8	7.1	0.8	6.5	7.4	-5.7	15.1	9.7	6.1	2.5	3.4	18.8	12.4	-2.1	6.3
2012		2.3	2.6	1.5	7.5	3.3	4.5	1.1	4.6	10.6	1.9	1.6	1.1	0.4	3.7	-2.5	1.1
2013		-5.1	0.9	3.7	4.3	2.1	5.1	-26.3	1.0	3.8	0.5	-4.4	0.6	0.9	-7.4	4.1	0.8
2014		0.4	-0.5	2.5	0.5	-0.2	3.2	4.8	0.4	4.0	-3.8	-4.0	-5.8	-2.1	0.8	-0.5	-5.3
2014	Jan	2.6	9.9	17.2	18.6	4.9	54.4	-30.6	6.3	12.6	5.1	-3.5	11.5	11.6	-2.1	1.1	4.2
	Feb	-8.8	-9.7	-12.7	-16.5	-16.7	-33.6	-8.4	-2.7	-8.9	-15.0	-10.2	-6.1	2.3	-11.2	6.3	-5.3
	Mar	-0.3	-1.4	2.8	2.0	2.1	3.5	10.3	2.3	7.4	0.2	-6.2	-4.1	-3.4	-3.6	-8.2	-14.6
	Apr	-8.0	-1.9	3.3	0.0	2.1	3.6	-31.5	4.7	5.7	-0.7	-3.4	-10.1	-15.9	0.2	-0.1	-11.2
	May	-6.6	-1.6	4.1	-0.6	0.2	5.4	-21.4	6.4	0.8	-1.2	-0.6	1.8	-9.5	-14.8	6.9	-10.8
	Jun	-1.6	-3.0	0.3	-2.4	-2.2	-0.5	7.3	4.6	3.1	-4.6	-0.5	-13.9	-9.7	-12.4	1.0	-9.0
	Jul	3.3	-1.4	5.4	4.0	-2.3	-0.2	33.6	2.0	3.3	-5.8	2.9	-8.4	-8.0	-15.1	-2.3	-8.0
	Aug	3.5	-2.1	-0.1	-1.1	1.8	4.3	40.8	1.6	8.9	-7.6	-11.3	-13.5	-2.7	-3.3	7.1	-4.6
	Sep	2.1	-0.7	2.1	-0.2	2.4	-3.5	21.8	0.7	5.8	-2.4	-5.7	-8.3	0.1	2.0	-3.0	-6.3
	Oct	8.0	3.7	3.5	2.2	4.4	3.6	34.1	-2.6	3.8	-2.8	-2.0	-0.3	5.9	31.4	0.5	1.4
	Nov	6.0	0.9	4.0	1.9	3.0	2.5	39.2	-5.6	0.9	-3.9	-4.5	-4.4	5.6	5.5	-6.2	2.3
	Dec	4.6	0.0	0.1	-1.4	-2.3	0.4	29.7	-13.2	4.5	-5.7	-4.4	-9.7	0.2	24.2	-5.7	-1.4
		At Constant Prices															
2011		2.0	5.4	5.8	-2.1	3.8	3.8	-8.4	3.1	7.7	6.0	3.6	5.2	8.0	17.6	-3.3	4.2
2012		1.3	1.7	0.2	5.3	1.3	2.1	0.0	1.3	9.4	0.6	3.7	1.9	-2.5	7.1	-3.5	-0.6
2013		-4.4	1.1	2.7	2.4	0.6	2.8	-23.9	-1.4	2.9	0.2	-4.1	1.7	10.9	-7.3	2.9	0.2
2014		0.3	-0.7	1.6	-2.2	-2.9	-0.3	5.1	-0.3	3.7	-2.5	-4.2	-6.5	1.9	0.5	-0.8	-4.3
2014	Jan	3.8	10.3	15.5	15.5	3.3	49.5	-27.9	3.3	13.3	4.5	-2.5	11.1	27.7	-2.8	0.5	4.2
	Feb	-6.9	-8.4	-12.6	-17.5	-17.9	-34.7	-5.2	-0.9	-9.3	-13.2	-9.5	-6.1	14.1	-11.7	6.4	-4.4
	Mar	-0.5	-1.0	2.1	-0.8	-0.3	-0.1	7.3	1.1	7.7	1.8	-6.7	-3.9	4.5	-3.3	-8.0	-13.6
	Apr	-7.9	-2.6	1.6	-3.1	-0.7	-0.4	-29.2	-0.4	5.0	-1.0	-3.5	-10.9	-11.4	0.0	-0.5	-10.8
	May	-7.2	-2.6	2.8	-3.5	-2.9	1.4	-20.7	-1.2	0.2	-0.2	-1.0	0.8	-6.0	-16.9	6.4	-10.0
	Jun	-2.2	-4.0	-1.0	-5.1	-4.7	-4.2	8.3	-1.7	3.3	-4.0	-0.8	-15.9	-6.7	-14.6	0.7	-8.4
	Jul	2.8	-2.2	4.6	1.1	-5.0	-3.8	34.2	-1.1	2.8	-4.0	2.6	-10.4	-9.2	-15.2	-2.0	-6.9
	Aug	2.8	-2.5	-1.4	-4.0	-0.9	0.4	37.6	0.9	8.0	-7.1	-11.9	-15.8	-0.3	-2.8	7.3	-3.9
	Sep	1.5	-0.6	1.4	-3.0	-0.9	-6.9	17.6	1.0	5.4	-0.6	-6.9	-9.8	4.5	3.0	-2.7	-5.1
	Oct	7.4	3.4	2.6	-0.8	1.1	-0.2	31.6	-1.0	3.3	-1.4	-2.1	-1.4	6.5	31.7	-0.1	2.6
	Nov	5.8	1.2	3.9	-1.0	0.0	-1.5	33.4	-1.3	0.8	-0.8	-4.5	-3.7	7.1	6.0	-7.0	4.4
	Dec	4.5	-0.3	-0.5	-3.8	-5.2	-2.9	30.1	-2.2	4.4	-3.6	-5.1	-7.7	-2.4	25.0	-6.3	0.7

TABLE 4 FOOD & BEVERAGE SERVICES INDEX
(2014 = 100)

Weights		Total	Restaurants	Fast Food Outlets	Food Caterers	Other Eating Places
		1,000	408	115	115	362
Period		At Current Prices				
2010		87.1	89.2	85.2	85.0	86.4
2011		92.9	93.3	93.6	92.4	92.4
2012		97.1	96.9	96.2	100.2	96.6
2013		99.1	100.2	98.4	103.3	96.8
2014		100.0	100.0	100.0	100.0	100.0
2014	Jan	104.2	107.9	103.0	108.1	99.2
	Feb	96.3	101.5	89.8	103.6	90.2
	Mar	98.9	95.9	102.7	97.5	101.5
	Apr	94.7	92.1	97.4	91.5	97.8
	May	101.3	102.9	104.0	93.9	101.1
	Jun	97.7	95.5	102.5	95.6	99.3
	Jul	97.8	96.1	94.8	99.2	100.3
	Aug	103.6	101.3	101.1	118.5	102.2
	Sep	97.8	96.5	97.3	96.4	99.7
	Oct	102.2	102.9	102.8	94.7	103.5
	Nov	98.9	98.9	100.4	98.1	98.8
	Dec	106.6	108.6	104.3	102.9	106.3
		At Constant Prices				
2010		95.5	99.6	90.7	88.7	95.3
2011		99.3	101.3	97.7	95.2	99.1
2012		101.4	101.7	100.5	102.4	101.1
2013		101.5	102.6	101.8	104.6	99.4
2014		100.0	100.0	100.0	100.0	100.0
2014	Jan	105.0	108.4	103.9	109.4	100.3
	Feb	96.9	101.8	90.5	104.8	90.9
	Mar	99.4	96.1	103.5	98.7	102.1
	Apr	95.0	92.5	97.6	91.1	98.2
	May	101.5	103.3	104.3	93.5	101.2
	Jun	97.8	95.8	102.6	95.2	99.3
	Jul	97.8	96.3	94.6	98.8	100.2
	Aug	103.5	101.5	100.9	118.0	102.1
	Sep	97.6	96.5	96.9	96.0	99.5
	Oct	101.5	102.2	102.2	94.3	102.8
	Nov	98.2	98.0	99.8	97.7	98.0
	Dec	105.7	107.6	103.1	102.4	105.4

TABLE 5 PERCENTAGE CHANGE IN FOOD & BEVERAGE SERVICES INDEX OVER PREVIOUS MONTH
(2014 = 100)

		Total	Restaurants	Fast Food Outlets	Food Caterers	Other Eating Places
Weights		1,000	408	115	115	362
Period		At Current Prices				
2014	Jan	-1.2	-0.8	0.5	-0.8	-2.7
	Feb	-7.6	-6.0	-12.8	-4.2	-9.0
	Mar	2.7	-5.5	14.4	-5.9	12.5
	Apr	-4.2	-3.9	-5.2	-6.2	-3.6
	May	7.0	11.7	6.8	2.6	3.3
	Jun	-3.6	-7.2	-1.4	1.8	-1.7
	Jul	0.1	0.6	-7.6	3.8	1.0
	Aug	5.9	5.4	6.7	19.5	1.9
	Sep	-5.6	-4.7	-3.7	-18.7	-2.4
	Oct	4.5	6.6	5.6	-1.7	3.7
	Nov	-3.2	-3.9	-2.3	3.6	-4.5
	Dec	7.8	9.8	3.9	4.8	7.7
		At Constant Prices				
2014	Jan	-1.7	-1.5	-0.1	-0.7	-3.1
	Feb	-7.7	-6.1	-12.8	-4.2	-9.3
	Mar	2.6	-5.5	14.3	-5.9	12.3
	Apr	-4.4	-3.8	-5.7	-7.7	-3.8
	May	6.8	11.6	6.8	2.6	3.0
	Jun	-3.6	-7.2	-1.6	1.8	-1.8
	Jul	0.0	0.5	-7.7	3.8	0.9
	Aug	5.8	5.4	6.7	19.5	1.8
	Sep	-5.8	-4.9	-4.0	-18.7	-2.5
	Oct	4.1	5.9	5.5	-1.7	3.4
	Nov	-3.3	-4.1	-2.3	3.6	-4.7
	Dec	7.6	9.8	3.3	4.8	7.5

**TABLE 6 PERCENTAGE CHANGE IN FOOD & BEVERAGE SERVICES INDEX
OVER CORRESPONDING PERIOD OF PREVIOUS YEAR
(2014 = 100)**

Weights		Total	Restaurants	Fast Food Outlets	Food Caterers	Other Eating Places
		1,000	408	115	115	362
Period		At Current Prices				
2011		6.6	4.6	9.8	8.8	6.9
2012		4.5	3.9	2.8	8.4	4.6
2013		2.0	3.3	2.3	3.1	0.2
2014		1.0	-0.2	1.7	-3.2	3.3
2014	Jan	7.9	11.1	6.1	6.2	5.4
	Feb	-0.7	-5.4	-1.3	0.3	4.3
	Mar	-1.6	-6.4	2.6	-6.5	4.3
	Apr	-1.2	-4.7	3.5	-4.2	2.2
	May	1.5	1.8	4.8	-6.1	2.5
	Jun	-3.2	-6.6	-1.4	-8.6	1.9
	Jul	-1.9	-3.1	0.0	-4.2	-0.4
	Aug	4.6	5.0	0.6	14.3	2.5
	Sep	0.4	1.1	0.1	-6.8	2.3
	Oct	3.4	5.1	2.6	-9.2	6.2
	Nov	1.2	1.4	0.5	-7.7	4.6
	Dec	1.1	-0.2	1.7	-5.6	4.3
		At Constant Prices				
2011		4.0	1.7	7.8	7.3	4.0
2012		2.1	0.4	2.8	7.5	2.0
2013		0.1	0.9	1.3	2.2	-1.7
2014		-1.5	-2.5	-1.8	-4.4	0.6
2014	Jan	5.2	8.0	2.8	5.7	2.7
	Feb	-3.2	-8.1	-4.4	-0.2	1.5
	Mar	-4.1	-9.1	-0.7	-6.9	1.4
	Apr	-3.8	-7.2	-0.1	-5.8	-0.6
	May	-1.2	-0.8	1.2	-7.8	-0.4
	Jun	-5.8	-8.9	-5.0	-10.1	-1.0
	Jul	-4.3	-5.1	-3.8	-5.7	-3.1
	Aug	2.3	3.2	-3.2	12.6	0.1
	Sep	-1.9	-0.8	-4.1	-8.1	-0.1
	Oct	1.1	3.1	-0.6	-10.5	3.7
	Nov	-1.1	-0.7	-2.6	-9.1	2.0
	Dec	-1.1	-2.2	-0.9	-7.0	1.8

SINGAPORE DEPARTMENT OF STATISTICS INFORMATION DISSEMINATION SERVICES

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