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RETAIL TRADE AUSTRALIA, JANUARY 1991

PHONE INQUIRIES

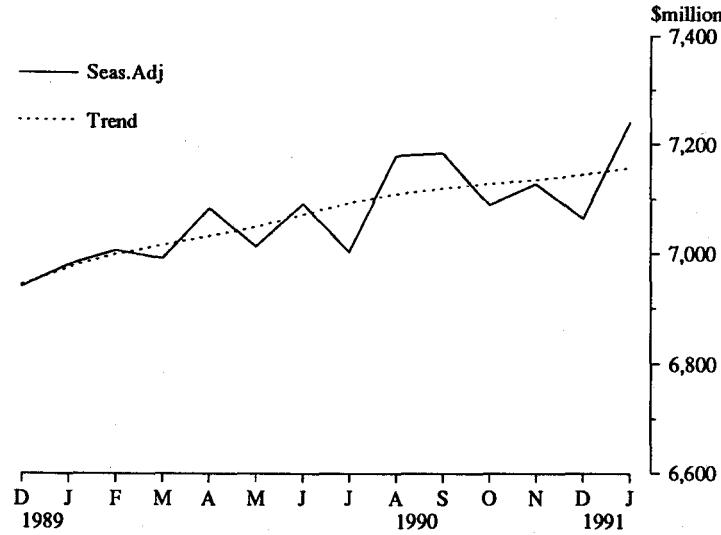
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- *about the constant price estimates* — contact Mr Alan Tryde on Canberra (06) 252 6801
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MAIL INQUIRIES**ELECTRONIC SERVICES**

Trend estimates for the most recent months may be revised as data for subsequent months become available. For example, if the February seasonally adjusted estimate shows a 1.0 per cent rise, then the movement in the trend estimate for February would be 0.3 per cent. January and December would both be revised upwards by 0.2 percentage points. A 1.0 per cent fall in the seasonally adjusted estimate would produce a movement in the trend estimate for February of 0.1 per cent. January and December would remain at 0.2 per cent and 0.1 per cent respectively. See paragraphs 23 and 24 of the Explanatory Notes.

SUMMARY OF FINDINGS

CHART 1: TURNOVER OF RETAIL AND SELECTED SERVICE ESTABLISHMENTS, MONTHLY ESTIMATES, AUSTRALIA

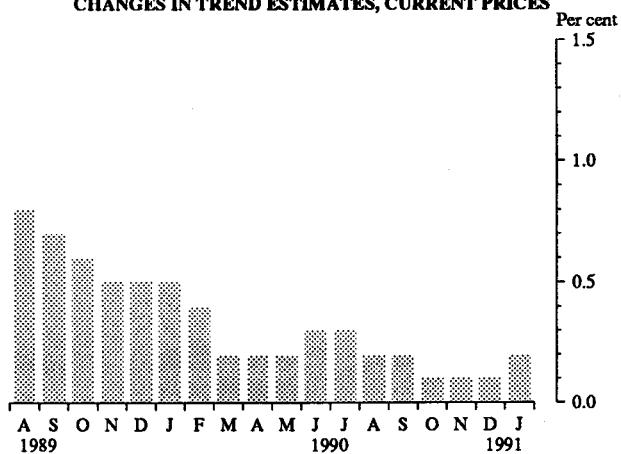


Australian estimates

Turnover for retail (excluding motor vehicle dealers, service stations, etc.) and selected service establishments covered by the survey shows very weak growth, with trend estimates increasing by an average of 0.1 per cent per month for the last three months. The annual growth rate (January 1991 over January 1990) is 2.6 per cent, an average monthly increase of 0.2 per cent.

In seasonally adjusted terms the estimate for January 1991 rose 2.5 per cent on the relatively low December 1990 figure. In original terms the estimate of turnover for retail and selected service establishments fell 25.7 per cent, a little less than the fall recorded a year earlier.

CHART2: TURNOVER OF RETAIL AND SELECTED SERVICE ESTABLISHMENTS, AUSTRALIA, MONTHLY PERCENTAGE CHANGES IN TREND ESTIMATES, CURRENT PRICES



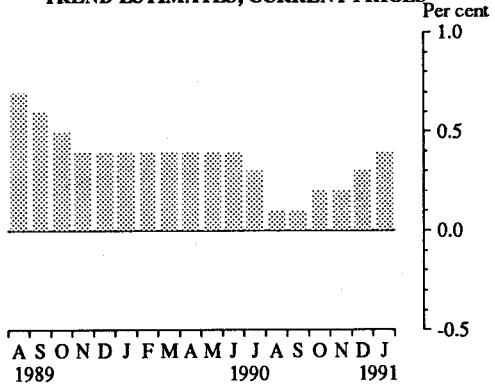
Industry trends

The trend estimates show that, of the large industries, the Grocery and Clothing industries are showing moderate to strong growth over the past 3 months. However Department stores and Hotels, liquor stores and licensed clubs remain in decline. Of the remaining industries Footwear stores and Electrical goods stores are showing strong growth, while the rest are showing either weak growth or are in decline.

PERCENTAGE CHANGE IN TREND ESTIMATES OF TURNOVER

Industry	Average monthly increase for 3 months to January 1991	Average monthly increase for 12 months to January 1991
Grocers	1.0	0.8
Hotels, liquor stores, licensed clubs	-1.0	0.1
Department and general stores	-0.3	0.1
Clothing and fabrics stores	1.0	0.3
Total all industries	0.1	0.2

CHART3: TURNOVER OF RETAIL ESTABLISHMENTS, AUSTRALIA, MONTHLY PERCENTAGE CHANGES IN TREND ESTIMATES, CURRENT PRICES



Analysis of the *retail only* industries in total shows growth averaging 0.3 per cent per month over the last 3 months. Over the past year (January 1991 over January 1990) the *retail* industries have shown growth in turnover of 3.6 per cent, which is 1.0 percentage points higher than the all industries growth rate over the same period.

State trends

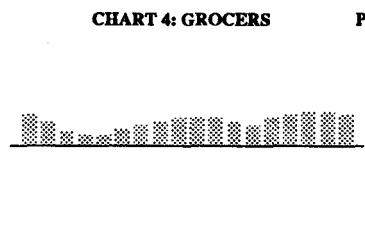
Trend estimates for South Australia showed an average growth rate of 0.9 per cent for the three months ended January 1991.

Victoria showed an average increase of 0.2 per cent per month over the latest 3 months following nearly a year of decline. Trend estimates for New South Wales have declined slightly over the last 3 months while the remaining States are showing weak or no growth.

NOTE: Explanatory Notes are at the back of this publication.

TURNOVER OF RETAIL AND SELECTED SERVICE ESTABLISHMENTS, AUSTRALIA

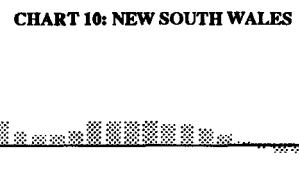
**TREND ESTIMATES, MONTHLY CHANGES
CURRENT PRICES, SELECTED INDUSTRIES**
Percentage change from preceding month



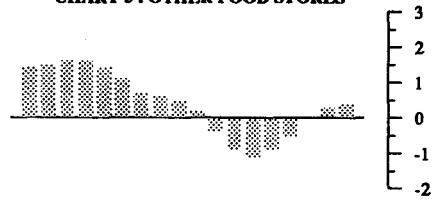
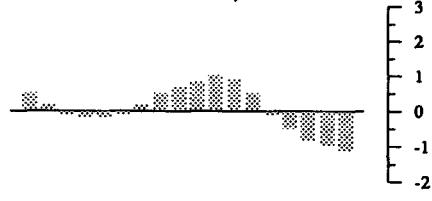
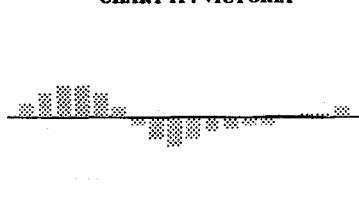
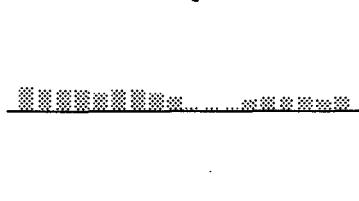
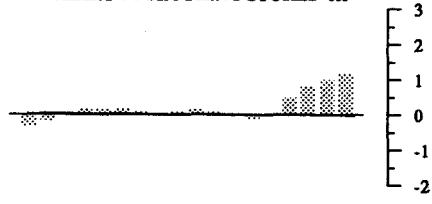
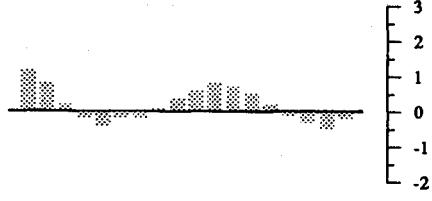
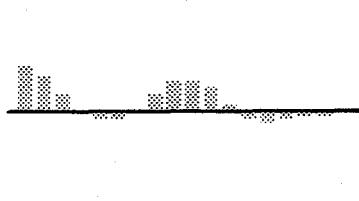
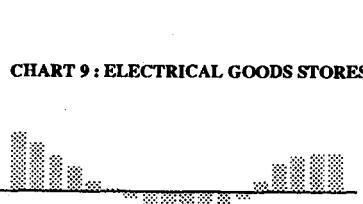
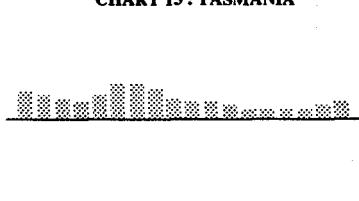
Per cent

TURNOVER OF RETAIL AND SELECTED SERVICE ESTABLISHMENTS

**TREND ESTIMATES, MONTHLY CHANGES
CURRENT PRICES, STATES**
Percentage change from preceding month



Per cent

CHART 5 : OTHER FOOD STORES**CHART 6 : HOTELS, CLUBS etc****CHART 11 : VICTORIA****CHART 12 : QUEENSLAND**3
2
1
0
-1
-2**CHART 7 : CLOTHING STORES etc****CHART 8 : DEPARTMENT STORES****CHART 13 : SOUTH AUSTRALIA**3
2
1
0
-1
-2**CHART 15 : TASMANIA**3
2
1
0
-1
-2

A S O N D J F M A M J J A S O N D J
1989 1990 1991

A S O N D J F M A M J J A S O N D J
1989 1990 1991

**TABLE 1. TURNOVER OF RETAIL AND SELECTED SERVICE ESTABLISHMENTS,
MONTHLY ESTIMATES, AT CURRENT PRICES, AUSTRALIA (a)**

Month	Original		Seasonally adjusted		Trend estimates (b)	
	\$m	% change from preceding month	% change from corresponding month of previous year	\$m	% change from preceding month	\$m
		% change from corresponding month of previous year	% change from preceding month			
1989—						
November	7,198.5	7.1	10.7	6,944.2	1.9	6,913.0
December	9,364.9	30.1	6.6	6,940.7	-0.1	6,944.2
1990—						
January	6,681.7	-28.7	8.9	6,981.4	0.6	6,976.4
February	6,153.7	-7.9	8.3	7,007.1	0.4	7,001.3
March	6,914.1	12.4	7.0	6,993.1	-0.2	7,018.1
April	6,617.6	-4.3	6.5	7,083.5	1.3	7,033.5
May	7,014.9	6.0	7.9	7,014.1	-1.0	7,050.6
June	6,873.2	-2.0	5.0	7,092.3	1.1	7,073.4
July	6,687.2	-2.7	3.8	7,003.8	-1.2	7,093.7
August	6,986.3	4.5	6.5	7,180.4	2.5	7,109.6
September	6,792.3	-2.8	0.9	7,184.8	0.1	7,120.9
October	7,147.6	5.2	6.3	7,089.9	-1.3	7,129.7
November	7,473.0	4.6	3.8	7,127.6	0.5	7,137.3
December	9,395.1	25.7	0.3	7,064.8	-0.9	7,145.5
1991—						
January	6,979.6	-25.7	4.5	7,241.9	2.5	7,158.0
<i>Standard error (c) of</i>						
Latest month	66.9					
Change from previous month	46.2	0.5				

(a) Excludes motor vehicle dealers, petrol stations, etc. (b) Subject to revision — see from paragraph 21 of Explanatory Notes. (c) See paragraphs 9 to 13 of Explanatory Notes.

**TABLE 2. TURNOVER OF RETAIL AND SELECTED SERVICE ESTABLISHMENTS,
QUARTERLY ESTIMATES, AUSTRALIA (a)**

Quarter	Original		Seasonally adjusted					
	\$m	% change from preceding quarter	% change from corresponding quarter of previous year	\$m	% change from preceding quarter			
		% change from corresponding quarter of previous year	% change from preceding quarter					
AT CURRENT PRICES								
1989—								
December	23,285.4	18.0	8.4	20,701.3	1.3	9.5		
1990—								
March	19,749.5	-15.2	8.1	20,981.6	1.4	7.0		
June	20,505.7	3.8	6.4	21,189.9	1.0	6.7		
September	20,465.8	-0.2	3.7	21,369.0	0.8	4.6		
December	24,015.7	17.3	3.1	21,282.3	-0.4	2.8		
AT CONSTANT (AVERAGE 1984-85) PRICES								
1989—								
December	16,694.6	16.9	2.7	14,853.9	0.3	3.7		
1990—								
March	14,014.2	-16.1	2.4	14,841.4	-0.1	1.4		
June	14,299.0	2.0	1.1	14,796.0	-0.3	1.4		
September	14,212.9	-0.6	-0.5	14,857.7	0.4	0.4		
December	16,479.6	15.9	-1.3	14,619.5	-1.6	-1.6		

(a) Excludes motor vehicle dealers, petrol stations, etc.

TABLE 3. TURNOVER OF RETAIL AND SELECTED SERVICE ESTABLISHMENTS,
MONTHLY ESTIMATES BY INDUSTRY, AT CURRENT PRICES, AUSTRALIA (a)

Month	Grocers, confectioners, tobac- co-mis-	Hotels, liquor stores; licensed clubs	Cafes and restau- rants	Clothing and fabrics stores	Depart- ment and general stores	Domestic hardware stores, jewellers	Electri- cal goods stores	Furni- ture stores	Floor- cover- ings stores	Pharma- cies	News- agents	Other stores	Total
	Butchers	Other food stores	Butchers	Other licensed stores	Footwear stores	Jewellers							
ORIGINAL \$ million													
1989—													
November	1,928.8	167.3	457.6	950.9	327.2	549.2	908.4	95.8	257.0	437.0	165.0	66.8	249.0
December	2,249.0	213.8	500.8	1,193.3	412.0	727.3	1,544.1	116.6	408.8	590.5	176.0	61.5	350.1
1990—													
January	1,878.3	172.3	492.1	944.5	341.8	459.0	667.2	97.7	196.5	400.8	141.1	49.5	263.6
February	1,814.1	166.3	429.2	849.6	308.6	385.7	576.4	74.5	179.1	374.9	130.6	53.3	244.3
March	2,034.1	188.0	466.6	932.8	348.9	461.3	715.1	87.5	196.8	405.9	146.0	59.5	279.4
April	1,895.2	172.7	452.9	896.5	323.3	493.4	731.8	95.0	174.8	387.5	131.2	52.2	268.9
May	1,962.8	185.1	451.8	884.6	324.0	557.6	801.9	100.0	191.9	441.0	151.1	62.5	296.0
June	1,963.1	194.5	457.8	876.0	308.1	518.5	821.1	103.6	173.3	423.3	148.3	62.7	272.3
July	1,914.1	186.5	454.9	889.8	319.8	503.2	700.6	91.6	172.7	404.5	151.6	56.3	276.0
August	2,066.0	191.2	460.4	905.9	320.9	492.3	749.0	84.6	181.2	423.3	146.5	62.5	264.3
September	1,943.2	180.2	432.5	937.9	334.2	490.4	737.0	93.5	181.7	384.6	141.1	59.3	263.5
October	2,056.4	184.4	458.7	965.5	326.6	527.6	782.1	98.3	181.2	411.2	155.4	64.2	327.7
November	2,141.6	181.4	455.7	995.0	337.1	554.7	922.8	94.0	222.2	426.7	155.4	64.2	311.9
December	2,380.6	198.8	516.6	1,187.6	372.1	748.1	1,549.6	131.0	351.3	591.3	161.8	55.6	363.8
1991—													
January	2,162.3	169.1	479.6	951.9	329.1	482.1	697.2	108.2	185.8	413.1	139.8	45.2	274.4
Standard error (b) of Level	26.1	11.0	24.8	33.5	18.6	20.6	0.0	5.2	7.1	18.6	8.0	2.8	15.1
Change	11.1	4.9	12.9	19.2	10.8	22.2	0.0	2.7	10.3	11.6	6.0	2.2	12.7
TREND ESTIMATES (c) \$ million													
1989—													
November	1,911.4	172.1	449.2	919.4	n.p.	510.8	806.1	94.1	216.0	430.0	147.2	58.9	270.4
December	1,917.7	176.2	455.3	917.7	n.p.	511.7	803.2	95.0	213.1	431.4	148.6	58.7	273.9
1990—													
January	1,927.4	180.2	460.2	917.2	n.p.	512.8	801.5	95.6	210.7	431.8	149.4	58.9	277.6
February	1,939.4	183.5	463.6	918.8	n.p.	513.3	799.9	95.3	209.6	431.1	149.8	59.4	281.4
March	1,953.6	185.8	466.3	923.1	n.p.	513.5	800.3	94.4	209.4	429.1	150.0	59.7	284.3
April	1,969.7	187.1	468.6	929.8	n.p.	514.2	803.6	93.6	210.0	426.2	150.1	59.7	286.0
May	1,985.8	187.6	469.5	937.7	n.p.	515.1	808.8	93.4	210.7	422.7	150.2	59.6	287.6
June	2,001.7	187.8	467.6	946.7	n.p.	515.8	814.9	93.3	210.9	419.3	150.1	59.5	290.3
July	2,015.9	187.5	463.3	954.8	n.p.	515.7	820.5	93.2	209.7	416.7	149.0	59.3	294.5
August	2,029.0	186.3	458.1	959.4	n.p.	515.2	824.5	93.7	206.8	416.0	147.1	58.9	299.0
September	2,044.7	184.4	453.9	958.8	n.p.	515.2	826.3	94.9	202.6	417.4	145.1	58.3	302.4
October	2,063.1	182.0	451.7	953.8	n.p.	517.6	825.5	96.8	197.9	420.6	143.6	57.5	303.4
November	2,083.7	179.4	451.7	946.0	n.p.	521.9	822.7	99.1	193.4	424.8	142.6	56.6	301.6
December	2,104.4	177.0	452.9	936.8	n.p.	527.1	818.5	101.7	189.7	429.4	142.1	55.7	298.0
1991—													
January	2,124.3	175.0	454.9	926.6	n.p.	533.2	817.1	104.4	187.0	434.3	142.2	55.2	293.1

See footnotes at end of table.

TABLE 3. TURNOVER OF RETAIL AND SELECTED SERVICE ESTABLISHMENTS,
MONTHLY ESTIMATES BY INDUSTRY, AT CURRENT PRICES, AUSTRALIA (a) —continued

Month	Grocers, confectioners, tobacconists	Butchers	Other food stores	Hotels, liquor stores, licensed clubs	Cafes and restau- rants	Clothing and fabrics stores	Depart- ment and general stores	Footwear stores	Domestic hardware stores, jewellers	Electri- cal goods stores	Furni- ture stores	Floor cover- ings stores	Pharma- cies	News- agents	Other stores	Total
TREND ESTIMATES (c) percentage change from preceding month																
1989 —																
November	0.3	1.8	1.6	-0.2	n.p.	0.2	-0.2	1.0	-1.5	0.7	1.6	0.0	1.2	-0.1	n.p.	0.5
December	0.3	2.4	1.4	-0.2	n.p.	0.2	-0.4	1.0	-1.3	0.3	1.0	-0.3	1.3	0.2	n.p.	0.5
1990 —																
January	0.5	2.3	1.1	-0.1	n.p.	0.2	-0.2	0.6	-1.1	0.1	0.5	0.3	1.4	0.4	n.p.	0.5
February	0.6	1.8	0.7	0.2	n.p.	0.1	-0.2	-0.3	-0.5	-0.2	0.3	0.8	1.4	0.5	n.p.	0.4
March	0.7	1.3	0.6	0.5	n.p.	0.0	0.1	-0.9	-0.1	-0.5	0.1	0.5	1.0	0.5	n.p.	0.2
April	0.8	0.7	0.5	0.7	n.p.	0.1	0.4	-0.8	0.3	-0.7	0.1	0.0	0.6	0.4	n.p.	0.2
May	0.8	0.3	0.2	0.8	n.p.	0.2	0.6	-0.2	0.3	-0.8	0.1	-0.2	0.6	0.2	n.p.	0.2
June	0.8	0.1	-0.4	1.0	n.p.	0.1	0.8	-0.1	0.1	-0.8	-0.1	-0.2	0.9	0.1	n.p.	0.3
July	0.7	-0.2	-0.9	0.9	n.p.	0.0	0.7	-0.1	-0.6	-0.6	-0.7	-0.3	1.4	-0.2	n.p.	0.3
August	0.6	-0.6	-1.1	0.5	n.p.	-0.1	0.5	0.5	-1.4	-0.2	-1.3	-0.7	1.5	-0.6	n.p.	0.2
September	0.8	-1.0	-0.9	-0.1	n.p.	0.0	0.2	1.3	-2.0	0.3	-1.4	-1.0	1.1	-1.5	n.p.	0.2
October	0.9	-1.3	-0.5	-0.5	n.p.	0.5	-0.1	2.0	-2.3	0.8	-1.0	-1.4	0.3	-2.1	n.p.	0.1
November	1.0	-1.4	0.0	-0.8	n.p.	0.8	-0.3	2.4	-2.3	1.0	-0.7	-1.6	-0.6	-2.3	n.p.	0.1
December	1.0	-1.3	0.3	-1.0	n.p.	1.0	-0.5	2.6	-1.9	1.1	-0.4	-1.6	-1.2	-2.1	n.p.	0.1
1991 —																
January	0.9	-1.1	0.4	-1.1	n.p.	1.2	-0.2	2.7	-1.4	1.1	0.1	-0.9	-1.6	-1.9	n.p.	0.2
TREND ESTIMATES (c) percentage change from corresponding month of previous year																
1989 —																
November	9.4	6.6	15.3	11.8	n.p.	-4.2	4.5	13.8	1.0	19.5	9.0	-4.5	14.5	12.1	n.p.	9.4
December	8.4	7.6	16.4	11.3	n.p.	-4.7	4.1	15.3	-2.6	17.5	9.4	-3.6	15.1	9.5	n.p.	8.7
1990 —																
January	7.9	8.6	16.7	10.3	n.p.	-4.9	4.3	16.6	-6.2	15.3	8.7	-1.7	15.5	7.5	n.p.	8.2
February	7.8	9.0	16.4	8.9	n.p.	-4.8	4.6	15.9	-8.9	13.2	7.5	0.7	15.9	5.8	n.p.	7.7
March	8.0	9.1	15.5	7.2	n.p.	-4.2	4.9	13.1	-10.6	11.1	6.3	2.2	15.8	4.7	n.p.	7.2
April	8.2	9.0	14.6	5.8	n.p.	-3.0	5.0	9.3	-11.1	9.0	5.6	2.2	15.3	3.8	n.p.	6.7
May	8.2	9.1	13.5	4.7	n.p.	-1.4	4.9	6.3	-10.9	6.7	5.5	1.2	14.8	2.9	n.p.	6.2
June	8.1	9.6	11.9	4.3	n.p.	-0.1	4.6	4.1	-10.1	4.1	5.8	0.0	14.6	2.1	n.p.	5.7
July	7.9	10.3	9.6	4.2	n.p.	0.6	3.9	2.5	-9.6	1.6	5.4	-0.7	14.8	1.4	n.p.	5.2
August	7.7	10.6	6.9	4.2	n.p.	0.8	3.2	2.1	-9.3	-0.3	4.0	-1.0	14.9	0.7	n.p.	4.6
September	7.8	9.8	4.3	3.9	n.p.	1.0	2.6	2.6	-9.4	-1.3	1.7	-1.4	14.6	-0.4	n.p.	4.1
October	8.3	7.7	2.1	3.5	n.p.	1.5	2.2	3.9	-9.8	-1.5	-0.9	-2.4	13.5	-2.2	n.p.	3.6
November	9.0	4.2	0.6	2.9	n.p.	2.2	2.1	5.3	-10.5	-1.2	-3.1	-3.9	11.5	-4.3	n.p.	3.2
December	9.7	0.5	-0.5	2.1	n.p.	3.0	1.9	7.1	-11.0	-0.5	-4.4	-5.1	8.8	-6.6	n.p.	2.9
1991 —																
January	10.2	-2.9	-1.2	1.0	n.p.	4.0	1.9	9.2	-11.2	0.6	-4.8	-6.3	5.6	-8.8	n.p.	2.6

(a) Excludes motor vehicle dealers, petrol stations, etc. (b) The standard error of the estimates for the latest month and of the latest month from the preceding month — see paragraphs 9 to 13 of Explanatory Notes. (c) Subject to revision — see from paragraph 21 of Explanatory Notes.

TABLE 4. TURNOVER OF RETAIL AND SELECTED SERVICE ESTABLISHMENTS,
QUARTERLY ESTIMATES BY INDUSTRY, AT CONSTANT (AVERAGE 1984-85) PRICES, AUSTRALIA (a)

Quarter	Grocers, confec- tioners, tobac- conists	Hotels, liquor stores, licensed clubs	Cafes and res- taurants	Clothing and fabrics	men- tality and general Footwear	Domestic hardware stores,	Elec- trical goods	Furni- ture stores	Floor cover- ings	Pharma- cies	News- agents	Other stores	Total			
	Depart- ments	Depart- ments	Depart- ments	Depart- ments	Depart- ments	Depart- ments	Depart- ments	Depart- ments	Depart- ments	Depart- ments	Depart- ments	Depart- ments	Depart- ments			
ORIGINAL \$ million																
1989— December	4,305.1	405.5	921.5	2,131.3	753.8	1,225.5	2,294.6	218.4	680.9	1,209.0	353.8	123.3	668.9	533.0	870.1	16,694.6
1990— March	4,061.8	384.6	912.4	1,863.5	697.5	896.4	1,399.7	187.7	447.1	997.0	293.8	105.0	576.7	507.8	683.2	14,014.2
June	4,049.7	395.0	864.4	1,788.8	653.8	1,056.4	1,655.6	213.7	414.7	1,058.0	294.2	114.0	607.3	463.6	669.8	14,299.0
September	4,109.2	403.4	880.3	1,811.8	660.9	994.2	1,527.5	192.2	414.1	1,017.4	298.8	112.9	626.8	475.4	688.0	14,212.9
December	4,508.4	412.6	922.1	2,040.3	689.7	1,204.0	2,242.2	222.5	592.4	1,193.2	313.1	115.8	700.5	484.5	838.5	16,479.6
SEASONALLY ADJUSTED ESTIMATES \$ million																
1989— December	4,107.0	378.9	880.1	1,919.8	n.p.	1,054.8	1,749.9	205.7	496.8	1,079.5	319.5	113.3	608.6	497.5	n.p.	14,853.9
1990— March	4,105.7	399.9	908.4	1,880.7	n.p.	1,049.6	1,696.9	204.6	494.4	1,092.1	312.7	115.3	612.8	507.6	n.p.	14,841.4
June	4,136.8	405.4	892.5	1,894.1	n.p.	1,054.0	1,726.8	202.2	483.6	1,073.0	309.0	117.7	629.7	487.7	n.p.	14,796.0
September	4,226.7	407.5	904.7	1,908.9	n.p.	1,029.9	1,718.2	202.1	482.6	1,052.2	301.8	109.6	633.5	492.9	n.p.	14,857.7
December	4,271.3	388.4	875.9	1,840.8	n.p.	1,024.9	1,706.0	207.4	438.6	1,057.4	279.0	106.6	638.2	450.5	n.p.	14,619.5
percentage change from preceding quarter																
1989— December	-0.1	0.1	7.2	-1.7	n.p.	-1.3	0.2	3.5	-7.1	1.8	3.4	-8.8	3.8	-3.2	n.p.	0.3
1990— March	0.0	5.5	3.2	-2.0	n.p.	-0.5	-3.0	-0.5	-0.5	1.2	-2.1	1.7	0.7	2.0	n.p.	-0.1
June	0.8	1.4	-1.7	0.7	n.p.	0.4	1.8	-1.2	-2.2	-1.7	-1.2	2.1	2.8	-3.9	n.p.	-0.3
September	2.2	0.5	1.4	0.8	n.p.	-2.3	-0.5	0.0	-0.2	-1.9	-2.4	-6.9	0.6	1.1	n.p.	0.4
December	1.1	-4.7	-3.2	-3.6	n.p.	-0.5	-0.7	2.6	-9.1	0.5	-7.5	-2.7	0.7	-8.6	n.p.	-1.6
percentage change from corresponding quarter of previous year																
1989— December	2.2	-1.4	6.8	4.5	n.p.	-6.3	-0.2	10.1	-1.4	18.2	2.6	-13.0	11.2	9.1	n.p.	3.7
1990— March	0.3	1.0	9.8	0.4	n.p.	-11.7	-1.1	10.5	-9.8	12.8	2.1	-0.7	9.4	4.6	n.p.	1.4
June	2.2	3.0	9.2	-2.4	n.p.	-5.5	1.9	5.4	-12.7	5.9	-4.9	-4.8	9.8	-3.1	n.p.	1.4
September	2.8	7.6	10.1	-2.3	n.p.	-3.7	-1.6	1.7	-9.7	-0.8	-2.4	-11.8	8.1	-4.1	n.p.	0.4
December	4.0	2.5	-0.5	-4.1	n.p.	-2.8	-2.5	0.8	-11.7	-2.0	-12.7	-6.0	4.9	-9.4	n.p.	-1.6

(a) Excludes motor vehicle dealers, petrol stations, etc.

TABLE 5. TURNOVER OF RETAIL AND SELECTED SERVICE ESTABLISHMENTS,
MONTHLY ESTIMATES, AT CURRENT PRICES, AUSTRALIA, STATES AND TERRITORIES (a)

Month	New South Wales	Victoria	Queensland	South Australia	Western Australia	Tasmania	Northern Territory	Australian Capital Territory	Australia
ORIGINAL \$ million									
1989—									
November	2,586.6	1,824.1	1,195.0	577.1	647.2	177.5	66.5	124.6	7,198.5
December	3,334.5	2,494.2	1,537.3	711.3	821.0	231.4	78.0	157.2	9,364.9
1990—									
January	2,357.6	1,724.0	1,152.8	523.5	587.2	164.4	59.5	112.7	6,681.7
February	2,197.8	1,581.9	1,038.9	473.2	539.7	158.3	57.9	105.9	6,153.7
March	2,476.0	1,745.8	1,162.1	546.3	618.4	179.2	66.1	120.2	6,914.1
April	2,375.7	1,668.1	1,097.0	529.5	596.1	167.4	65.2	118.4	6,617.6
May	2,519.0	1,742.0	1,188.8	559.7	624.7	180.1	72.5	128.1	7,014.9
June	2,456.2	1,685.9	1,192.7	541.9	620.6	173.1	74.5	128.2	6,873.2
July	2,424.5	1,621.7	1,147.1	529.5	594.0	166.2	79.0	125.2	6,687.2
August	2,523.5	1,692.3	1,217.2	553.1	616.1	176.6	80.5	127.0	6,986.3
September	2,477.3	1,631.3	1,171.8	543.7	596.0	170.6	76.3	125.3	6,792.3
October	2,594.8	1,722.5	1,232.2	584.0	626.3	180.0	77.5	130.3	7,147.6
November	2,716.5	1,806.7	1,270.5	624.0	652.9	191.5	74.8	136.2	7,473.0
December	3,383.8	2,346.6	1,578.6	763.9	831.5	236.2	84.1	170.3	9,395.1
1991—									
January	2,504.9	1,691.9	1,224.0	578.5	608.9	183.6	64.9	122.9	6,979.6
TREND ESTIMATES (c) \$ million									
Standard error (b) of Level Change	50.4	31.7	23.9	14.5	10.9	4.7	1.2	2.8	66.9
	34.5	25.7	12.0	7.5	9.3	2.5	0.9	2.5	46.2
1989—									
November	2,433.0	1,773.5	1,168.3	541.1	616.2	170.7	n.p.	120.5	6,913.0
December	2,463.9	1,785.5	1,174.4	543.8	614.8	171.9	n.p.	121.0	6,944.2
1990—									
January	2,480.0	1,790.8	1,181.3	546.6	613.8	173.6	n.p.	121.7	6,976.4
February	2,496.7	1,787.5	1,188.5	549.2	614.5	175.3	n.p.	122.6	7,001.3
March	2,513.4	1,776.3	1,194.8	551.2	617.5	176.8	n.p.	123.6	7,018.1
April	2,530.3	1,762.8	1,199.3	552.6	622.8	177.9	n.p.	124.7	7,033.5
May	2,545.5	1,751.6	1,201.0	554.0	628.6	178.8	n.p.	126.1	7,050.6
June	2,560.2	1,744.5	1,201.9	556.4	632.8	179.7	n.p.	127.5	7,073.4
July	2,571.8	1,739.4	1,203.7	560.3	634.1	180.4	n.p.	128.6	7,093.7
August	2,578.4	1,735.2	1,207.0	566.1	633.0	180.9	n.p.	129.4	7,109.6
September	2,580.0	1,731.9	1,211.9	573.2	631.0	181.4	n.p.	129.9	7,120.9
October	2,576.9	1,731.3	1,217.3	580.6	629.5	182.0	n.p.	130.4	7,129.7
November	2,571.5	1,732.6	1,222.4	587.0	628.6	182.6	n.p.	131.1	7,137.3
December	2,566.2	1,735.1	1,226.3	592.0	628.1	183.3	n.p.	131.9	7,145.5
1991—									
January	2,563.3	1,740.9	1,231.1	596.2	628.6	184.2	n.p.	133.0	7,158.0

See footnotes at end of table.

TABLE 5. TURNOVER OF RETAIL AND SELECTED SERVICE ESTABLISHMENTS,
MONTHLY ESTIMATES, AT CURRENT PRICES, AUSTRALIA, STATES AND TERRITORIES (a)—*continued*

Month	New South Wales	Victoria	Queensland	South Australia	Western Australia	Tasmania	Northern Territory	TREND ESTIMATES (c)		Australian Capital Territory	Australia	
								Percentage change from preceding month				
<i>1989 —</i>												
November	0.3	0.9	0.6	0.6	0.0	0.5	0.5	0.5	0.8	0.5	0.5	
December	0.4	0.7	0.5	0.5	-0.2	0.7	0.7	n.p.	0.4	0.5	0.5	
<i>1990 —</i>												
January	0.7	0.3	0.6	0.5	-0.2	1.0	1.0	n.p.	0.6	0.5	0.5	
February	0.7	-0.2	0.6	0.5	0.1	1.0	1.0	n.p.	0.7	0.4	0.4	
March	0.7	-0.6	0.5	0.4	0.5	0.9	0.9	n.p.	0.8	0.2	0.2	
April	0.7	-0.8	0.4	0.3	0.9	0.6	0.6	n.p.	0.9	0.2	0.2	
May	0.6	-0.6	0.1	0.3	0.9	0.5	0.5	n.p.	1.1	0.3	0.3	
June	0.6	-0.4	0.1	0.4	0.7	0.5	0.5	n.p.	1.1	0.3	0.3	
July	0.5	-0.3	0.1	0.7	0.2	0.4	0.4	n.p.	0.9	0.3	0.3	
August	0.3	-0.2	0.3	1.0	-0.2	0.3	0.3	n.p.	0.6	0.2	0.2	
September	0.1	-0.2	0.4	1.3	-0.3	0.3	0.3	n.p.	0.4	0.2	0.2	
October	-0.1	0.0	0.4	1.3	-0.2	0.3	0.3	n.p.	0.4	0.1	0.1	
November	-0.2	0.1	0.4	1.1	-0.1	0.3	0.3	n.p.	0.5	0.1	0.1	
December	-0.2	0.1	0.3	0.9	-0.1	0.4	0.4	n.p.	0.6	0.1	0.1	
<i>1991 —</i>												
January	-0.1	0.3	0.4	0.7	0.1	0.5	0.5	n.p.	0.8	0.2	0.2	
<i>1989 —</i>												
November	11.4	6.5	11.1	5.3	10.8	8.8	8.8	n.p.	6.4	9.4	9.4	
December	10.2	6.8	11.0	4.7	8.7	8.0	8.0	n.p.	5.9	8.7	8.7	
<i>1990 —</i>												
January	9.5	6.6	10.6	4.5	7.2	7.8	7.8	n.p.	6.2	8.2	8.2	
February	9.0	6.0	9.9	4.7	6.6	7.9	7.9	n.p.	7.3	7.7	7.7	
March	8.6	4.9	9.1	5.1	6.7	8.3	8.3	n.p.	8.7	7.2	7.2	
April	8.1	3.5	8.2	5.4	7.1	8.7	8.7	n.p.	10.0	6.7	6.7	
May	7.6	2.4	7.2	5.7	7.3	8.9	8.9	n.p.	11.0	6.2	6.2	
June	7.2	1.6	6.3	6.0	7.0	8.9	8.9	n.p.	11.4	5.7	5.7	
July	6.6	1.0	5.6	6.3	5.8	8.5	8.5	n.p.	11.0	5.2	5.2	
August	6.2	0.3	5.1	6.8	4.2	7.9	7.9	n.p.	10.3	4.6	4.6	
September	5.8	-0.6	4.9	7.3	2.9	7.5	7.5	n.p.	9.5	4.1	4.1	
October	5.4	-1.5	4.8	8.0	2.2	7.2	7.2	n.p.	9.0	3.6	3.6	
November	4.8	-2.3	4.6	8.5	2.0	7.0	7.0	n.p.	8.8	3.2	3.2	
December	4.2	-2.8	4.4	8.9	2.2	6.6	6.6	n.p.	9.0	2.9	2.9	
<i>1991 —</i>												
January	3.4	-2.8	4.2	9.1	0.2	6.1	6.1	n.p.	9.3	2.6	2.6	

(a) Excludes motor vehicle dealers, petrol stations, etc. (b) The standard error of the estimates for the latest month and of the latest month from the preceding month — see paragraphs 9 to 13 of Explanatory Notes. (c) Subject to revision — see from paragraph 21 of Explanatory Notes.

TABLE 6. TURNOVER OF RETAIL AND SELECTED SERVICE ESTABLISHMENTS,
QUARTERLY ESTIMATES, AT CONSTANT (AVERAGE 1984-85) PRICES, AUSTRALIA, STATES AND TERRITORIES (a)

Quarter	New South Wales	Victoria	Queensland	South Australia	Western Australia	Tasmania	Northern Territory	Australian Capital Territory	Australia
ORIGINAL \$ million									
1989 —									
December	6,036.9	4,254.8	2,775.1	1,304.5	1,472.7	406.7	149.9	294.0	16,694.6
1990 —									
March	5,025.3	3,548.0	2,378.5	1,107.7	1,223.0	354.6	131.1	245.9	14,014.2
June	5,174.6	3,498.9	2,424.8	1,152.3	1,268.1	363.3	148.8	268.2	14,299.0
September	5,208.7	3,381.5	2,461.2	1,136.8	1,237.0	355.9	163.9	267.9	14,212.9
December	6,046.3	3,967.7	2,800.0	1,350.6	1,431.2	414.8	161.4	307.7	16,479.6
SEASONALLY ADJUSTED ESTIMATES \$ million									
1989 —									
December	5,342.3	3,751.4	2,497.2	1,172.4	1,322.4	363.6	n.p.	264.5	14,853.9
1990 —									
March	5,344.9	3,736.4	2,526.1	1,175.2	1,282.4	370.9	n.p.	267.2	14,841.4
June	5,372.7	3,634.7	2,529.9	1,184.5	1,303.8	375.2	n.p.	273.7	14,796.0
September	5,443.9	3,568.6	2,502.2	1,180.4	1,302.1	377.4	n.p.	274.7	14,857.7
December	5,328.8	3,497.9	2,518.9	1,210.9	1,276.6	368.8	n.p.	274.4	14,619.5
percentage change from preceding quarter									
1989 —									
December	0.5	0.5	0.7	1.1	0.4	-0.3	n.p.	0.4	0.3
1990 —									
March	0.0	-0.4	1.2	0.2	-3.0	2.0	n.p.	1.0	-0.1
June	0.5	-2.7	0.2	0.8	1.7	1.2	n.p.	2.5	-0.3
September	1.3	-1.8	-1.1	-0.3	-0.1	0.6	n.p.	0.3	0.4
December	-2.1	-2.0	0.7	2.6	-2.0	-2.3	n.p.	-0.1	-1.6
percentage change from corresponding quarter of previous year									
1989 —									
December	5.9	0.0	5.1	0.2	5.9	3.5	n.p.	0.3	3.7
1990 —									
March	2.8	-0.5	4.6	0.0	0.0	1.8	n.p.	1.9	1.4
June	1.7	-2.7	2.9	2.6	2.1	4.4	n.p.	7.1	1.4
September	2.4	-4.4	0.9	1.8	-1.1	3.4	n.p.	4.3	0.4
December	-0.3	-6.8	0.9	3.3	-3.5	1.4	n.p.	3.7	-1.6

(a) Excludes motor vehicle dealers, petrol stations, etc.

TABLE 7. TURNOVER OF RETAIL AND SELECTED SERVICE ESTABLISHMENTS,
MONTHLY ESTIMATES, AT CURRENT PRICES, BY INDUSTRY, STATES AND ACT (a)

See footnotes at end of table

TABLE 7. TURNOVER OF RETAIL AND SELECTED SERVICE ESTABLISHMENTS,
MONTHLY ESTIMATES, AT CURRENT PRICES, BY INDUSTRY, STATES AND ACT (a)—continued

Month	Grocers, confec- tioners, tobacc- oists	Hotels, liquor stores, licensed clubs	Cafes and rest- aurants	Clothing and fabrics stores	Depart- ment and general stores	Footwear stores	Domestic hardware stores, jewellers	Electri- cal goods stores	Furni- ture stores	Floor- cover- ings	Pharma- cies	News- agents	Other stores	Total
	Butchers	Other food stores	Butchers	Other food stores	Cafes and rest- aurants	Clothing and fabrics stores	Footwear stores	Domestic hardware stores, jewellers	Electri- cal goods stores	Furni- ture stores	Floor- cover- ings	Pharma- cies	News- agents	Other stores
ORIGINAL \$ million														
1989—														
November	547.4	34.0	119.2	185.3	89.2	144.6	208.8	22.4	76.5	116.2	44.7	18.6	63.1	89.0
December	645.2	53.8	126.6	248.0	116.0	209.9	390.8	28.1	132.2	157.9	42.1	16.9	85.5	89.2
1990—														
January	544.5	45.1	114.1	185.8	88.9	118.2	151.3	21.8	71.4	106.5	34.4	12.5	65.7	76.2
February	515.0	41.6	101.1	169.0	85.4	106.2	135.3	18.8	61.1	100.2	30.4	14.6	59.7	69.6
March	583.2	50.5	106.6	176.9	102.3	119.3	165.7	19.9	66.3	102.4	32.1	13.4	65.7	57.3
April	538.2	45.8	100.6	163.8	86.3	131.3	177.6	23.2	59.9	105.0	29.9	11.7	62.8	49.9
May	561.2	48.5	155.3	87.9	143.9	188.1	24.0	65.5	114.4	33.6	13.6	67.7	57.7	83.1
June	544.2	48.5	100.1	152.0	81.3	139.5	195.9	22.7	58.6	109.1	30.9	14.5	58.1	52.5
July	518.7	44.2	100.1	150.8	91.3	137.1	156.5	21.1	61.6	103.7	34.8	11.3	56.7	77.9
August	563.6	46.2	99.2	152.4	84.7	131.2	171.7	18.6	63.2	108.5	35.3	12.8	62.1	55.2
September	533.5	45.4	91.1	172.8	88.2	123.1	163.5	19.2	61.5	94.8	30.9	10.0	60.1	49.9
October	575.7	45.3	94.3	172.9	86.2	132.9	177.8	21.5	67.5	98.2	33.1	12.6	63.4	49.9
November	598.3	43.6	94.5	183.9	82.7	140.3	213.4	22.3	74.8	99.7	35.0	11.0	60.4	52.2
December	665.1	48.1	115.0	237.5	87.8	199.9	375.7	34.4	123.1	135.1	38.5	11.9	73.1	94.6
1991—														
January	593.9	43.5	102.3	166.7	79.3	117.5	154.0	29.4	65.7	98.0	33.8	8.1	57.6	62.3
Standard error (b) of Level Change	15.0	6.3	9.8	12.5	8.1	7.6	0.0	2.6	4.7	12.7	4.2	1.0	5.9	7.4
	6.9	3.4	7.4	15.8	4.6	7.9	0.0	0.5	6.7	5.5	3.3	1.1	2.6	6.3
TREND ESTIMATES (c) \$ million														
percentage change from preceding month														
1990—														
August	561.5	45.6	98.5	171.2	n.p.	136.4	190.0	21.2	69.9	104.6	32.3	11.9	62.1	55.0
September	565.1	45.5	96.6	172.6	n.p.	135.4	191.2	21.9	69.2	102.7	32.2	11.3	61.4	54.3
October	570.5	45.3	95.5	173.1	n.p.	134.7	192.0	23.0	68.4	101.2	32.3	10.8	60.6	53.6
November	576.6	45.1	95.5	172.4	n.p.	134.3	192.2	24.5	67.7	100.2	32.6	10.4	59.5	53.4
December	582.3	45.0	96.2	170.7	n.p.	134.3	191.6	26.1	67.2	99.7	33.2	10.2	58.4	53.7
1991—														
January	587.9	45.0	97.4	168.4	n.p.	134.6	191.3	27.7	66.9	99.8	33.8	10.1	57.3	54.1
Standard error (b) of Level Change	15.0	6.3	9.8	12.5	8.1	7.6	0.0	2.6	4.7	12.7	4.2	1.0	5.9	7.4
	6.9	3.4	7.4	15.8	4.6	7.9	0.0	0.5	6.7	5.5	3.3	1.1	2.6	6.3
1990—														
August	0.3	-0.7	-2.0	0.8	n.p.	-0.4	0.6	1.0	-0.6	-1.9	-1.2	-4.0	-1.1	-0.9
September	0.6	-0.2	-1.9	0.8	n.p.	-0.7	0.6	3.3	-1.0	-1.8	-0.3	-5.0	-1.1	-1.3
October	1.0	-0.4	-1.1	0.3	n.p.	-0.5	0.4	5.0	-1.2	-1.5	0.3	-4.4	-1.3	-n.p.
November	1.1	-0.4	0.0	-0.4	n.p.	-0.3	0.1	6.5	-1.0	-1.0	0.9	-3.7	-1.8	-0.4
December	1.0	-0.2	0.7	-1.0	n.p.	0.0	-0.3	6.5	-0.7	-0.5	1.8	-1.9	-1.8	0.6
1991—														
January	1.0	0.0	1.2	-1.3	n.p.	0.2	-0.2	6.1	-0.4	0.1	1.8	-1.0	-1.9	0.7
Standard error (b) of Level Change	15.0	6.3	9.8	12.5	8.1	7.6	0.0	2.6	4.7	12.7	4.2	1.0	5.9	7.4
	6.9	3.4	7.4	15.8	4.6	7.9	0.0	0.5	6.7	5.5	3.3	1.1	2.6	6.3

See footnotes at end of table.

TABLE 7. TURNOVER OF RETAIL AND SELECTED SERVICE ESTABLISHMENTS,
MONTHLY ESTIMATES, AT CURRENT PRICES, BY INDUSTRY, STATES AND ACT (a) —continued

Month	Grocers, confectioners, tobacconists	Hotels, liquor stores, licensed clubs	Other food stores	Cafes and restau- rants	Clothing and fabrics stores	Footwear stores	Domestic hardware stores, jewellers	Electri- cal goods stores	Furni- ture stores	Floor cover- ings stores	Pharma- cies	News- agents	Other stores	Total
1989 —														
November	326.3	38.1	80.7	152.1	38.5	107.6	140.0	18.8	34.0	81.8	21.4	9.9	41.1	43.9
December	375.7	38.4	85.8	193.5	53.7	130.2	235.3	20.9	54.2	115.9	27.7	9.6	54.9	50.3
1990 —														
January	321.0	31.4	92.2	154.7	53.4	90.8	111.8	19.9	30.9	75.7	23.0	7.3	39.1	45.7
February	314.1	29.9	76.9	133.7	38.9	71.0	95.0	13.2	27.7	74.8	21.8	8.6	35.2	43.8
March	348.8	33.9	84.7	142.0	49.0	84.7	117.5	16.9	31.7	74.6	26.5	9.8	43.1	39.9
April	327.2	31.3	81.1	134.0	47.6	86.8	110.8	16.5	27.6	68.4	20.5	8.7	40.7	39.2
May	342.3	33.4	80.9	135.6	48.6	101.8	125.5	17.9	28.9	78.2	26.1	10.7	46.7	43.2
June	339.0	35.5	84.9	134.9	45.9	102.7	138.4	19.9	24.7	80.5	28.2	10.2	43.9	42.3
July	337.7	35.4	85.0	133.5	49.7	92.5	107.6	16.1	22.8	73.9	28.2	10.4	47.3	43.7
August	354.9	34.7	86.8	140.9	52.0	98.0	123.1	15.7	24.5	79.9	25.6	12.5	53.3	44.8
September	334.5	32.0	85.3	143.3	44.9	97.9	125.4	19.1	26.2	71.5	25.7	11.3	50.2	42.0
October	355.8	33.2	86.8	147.4	46.4	105.3	128.7	16.1	28.3	77.6	27.9	12.5	53.4	45.3
November	362.7	32.7	85.1	153.8	47.6	110.6	147.9	15.9	33.1	83.9	28.6	12.9	47.4	42.9
December	397.7	35.0	94.2	183.8	54.4	137.5	239.4	21.5	52.1	116.7	27.9	10.7	56.5	50.4
1991 —														
January	372.9	31.0	94.9	147.4	53.0	96.8	117.1	19.8	31.8	83.5	21.5	9.9	42.3	42.7
<i>Standard error (b) of</i>														
Level	7.2	4.3	10.2	9.6	8.0	8.6	0.0	1.5	3.3	4.7	2.7	1.2	5.5	6.2
Change	1.3	1.4	1.6	5.3	1.6	4.8	0.0	0.5	3.1	1.8	1.3	0.7	2.7	2.3
TREND ESTIMATES (c)														
\$ million														
percentage change from preceding month														
1990 —														
August	349.5	33.1	86.0	141.4	n.p.	96.2	131.7	16.7	28.3	77.6	26.7	11.3	49.2	45.9
September	352.1	32.3	85.6	143.2	n.p.	96.4	132.7	16.8	28.2	78.2	26.3	11.5	49.7	45.4
October	354.8	31.8	85.2	144.9	n.p.	97.7	133.3	17.0	28.6	79.5	25.7	11.6	49.3	44.2
November	357.7	31.5	84.9	146.4	n.p.	99.4	133.4	17.3	29.1	81.2	25.1	11.6	48.4	42.9
December	360.4	31.4	84.7	147.4	n.p.	101.1	133.1	17.5	29.6	83.0	24.3	11.5	47.3	41.4
1991 —														
January	362.9	31.5	84.6	148.3	n.p.	103.0	133.1	17.8	30.1	84.9	23.6	11.4	46.0	40.1
1990 —														
August	0.6	-2.6	-0.6	1.0	n.p.	-0.8	0.8	-1.2	-2.1	-0.3	-0.7	3.7	2.3	0.7
September	0.7	-2.4	-0.5	1.3	n.p.	0.2	0.8	0.6	-0.4	0.8	-1.5	1.8	1.0	-1.1
October	0.8	-1.5	-0.5	1.2	n.p.	1.3	0.5	1.2	1.4	1.7	-2.3	0.9	-0.8	-2.6
November	0.8	-0.9	-0.4	1.0	n.p.	1.7	0.1	1.8	1.7	2.1	-2.3	0.0	-1.8	-2.9
December	0.8	-0.3	-0.2	0.7	n.p.	1.7	-0.2	1.2	1.7	2.2	-3.2	-0.9	-2.3	-3.5
1991 —														
January	0.7	0.3	-0.1	0.6	n.p.	1.9	0.0	1.7	1.7	2.3	-2.9	-0.9	-2.7	-3.1

See footnotes at end of table.

TABLE 7. TURNOVER OF RETAIL AND SELECTED SERVICE ESTABLISHMENTS,
MONTHLY ESTIMATES, AT CURRENT PRICES, BY INDUSTRY, STATES AND ACT (a) —continued

Month	Grocers, confec- tioners, tobac- conists		Hotels, liquor stores, licensed clubs		Depart- ment and general stores		Domestic hardware stores, jewellers		Electri- cal goods		Floor cover- ings		Furni- ture stores		Pharma- cies		News- agents		Other stores		Total
	Butchers	Butchers	Cafes and rest- aurants	Clothing and fabrics stores	Clothing and fabrics stores	Footwear stores	Footwear stores	Jewellers	Domestic hardware stores	Jewellers	Furni- ture stores	Furni- ture stores	Pharma- cies	Furni- ture stores	Pharma- cies	Furni- ture stores	Pharma- cies	Furni- ture stores	Pharma- cies	Total	
SOUTH AUSTRALIA ORIGINAL \$ million																					
1989 —																					
November	161.5	13.2	39.2	66.0	25.8	36.7	102.8	7.8	16.0	30.6	15.0	5.9	21.7	12.1	22.8	14.1	29.5	711.3			
December	183.3	17.2	42.4	79.9	26.2	47.6	147.0	8.6	24.1	42.2	16.8	4.9	23.9	17.8	29.5	13.2	20.8	523.5			
1990 —																					
January	158.1	13.0	39.0	60.9	21.3	35.3	70.4	7.3	13.7	32.6	15.0	4.8	18.1	13.2	19.7	12.5	19.0	473.2			
February	146.4	12.1	34.6	55.3	20.4	27.6	62.8	5.3	12.8	28.6	13.4	5.0	16.7	5.6	14.9	22.6	546.3				
March	170.0	13.6	40.7	62.2	22.0	34.3	73.3	7.4	12.6	33.6	14.5	5.6	19.0	14.9	22.2	12.2	22.2	529.5			
April	158.2	12.6	38.4	62.5	19.7	36.8	77.7	8.5	12.0	32.3	14.0	4.7	17.8	13.8	21.6	12.0	22.2	559.7			
May	167.5	13.4	38.7	57.6	21.0	39.4	85.9	8.7	13.3	37.4	16.0	5.7	19.7	13.8	21.6	12.0	22.2	541.9			
June	162.6	15.5	39.1	55.7	19.5	37.7	79.6	8.4	11.9	37.8	14.5	5.0	19.5	13.6	21.4	12.0	22.2	529.5			
July	155.8	13.5	39.1	53.4	19.5	38.8	80.1	7.6	11.4	36.4	15.3	5.6	18.1	14.2	20.6	12.0	20.6	529.5			
August	171.9	15.0	40.9	55.9	19.6	34.3	80.5	6.9	13.4	36.6	14.9	6.1	20.9	14.7	21.7	12.0	21.7	553.1			
September	161.4	13.7	41.3	59.3	22.2	34.7	77.1	8.1	13.1	32.3	14.7	5.0	20.1	12.9	27.8	12.0	27.8	543.7			
October	175.0	15.2	45.2	62.2	24.1	37.4	85.1	8.7	14.1	34.2	15.1	5.9	23.1	13.4	25.4	12.0	25.4	584.0			
November	181.2	15.0	46.5	64.5	30.0	35.8	103.8	8.4	15.4	35.8	14.8	6.9	22.9	15.6	27.4	12.0	27.4	624.0			
December	201.0	19.2	48.4	80.6	25.8	44.1	154.1	10.3	23.8	46.7	14.1	3.9	30.0	20.0	41.9	12.0	41.9	763.9			
1991 —																					
January	183.7	14.2	44.1	65.8	23.0	35.7	74.0	8.5	12.0	34.9	14.0	4.2	24.6	12.7	27.0	12.0	27.0	578.5			
TREND ESTIMATES (c)																					
Standard error (b) of																					
Level	5.7	2.3	6.4	4.8	3.0	5.3	0.0	0.6	1.2	3.2	1.5	0.4	6.7	0.9	3.3	14.5					
Change	1.8	1.8	1.6	3.1	1.9	3.0	0.0	0.4	1.3	1.6	0.9	0.5	0.8	1.4	4.1	7.5					
Percentage change from preceding month																					
1990 —																					
August	166.9	14.8	41.3	61.3	n.p.	37.4	86.3	8.0	14.3	36.0	14.8	5.6	20.2	14.1	n.p.	566.1					
September	169.2	14.9	42.1	61.6	n.p.	36.5	87.3	8.2	14.0	35.9	14.6	5.5	20.8	14.3	n.p.	573.2					
October	172.2	14.8	42.8	62.0	n.p.	35.7	88.0	8.4	13.7	35.9	14.5	5.4	21.8	14.5	n.p.	580.6					
November	175.5	14.8	43.3	62.1	n.p.	35.2	88.3	8.7	13.4	36.0	14.3	5.3	22.9	14.7	n.p.	587.0					
December	178.6	14.8	43.6	62.0	n.p.	35.1	88.2	8.8	13.0	36.0	14.1	5.1	24.0	14.8	n.p.	592.0					
1991 —																					
January	181.6	14.9	43.8	62.0	n.p.	35.1	88.0	9.0	12.8	36.1	14.0	4.8	24.9	14.9	n.p.	596.2					

See footnotes at end of table.

TABLE 7. TURNOVER OF RETAIL AND SELECTED SERVICE ESTABLISHMENTS,
MONTHLY ESTIMATES, AT CURRENT PRICES, BY INDUSTRY, STATES AND ACT (a) —continued

Month	Grocers, confec- tions, tobac- coists		Hotels, liquor stores, licensed clubs		Cafes and rest- aurants		Clothing and fabrics stores		Depart- ment and general stores		Footwear stores, jewellers		Domestic hardware stores,		Electri- cal goods stores		Furni- ture stores		Floor cover- ings stores		Pharma- ceuticals		News- agents		Other stores		Total		
	Buicchers	Buicists	Other food stores	Food licensed clubs																									
WESTERN AUSTRALIA ORIGINAL \$ million																													
1989 —																													
November	197.8	6.9	39.0	81.0	29.4	41.9	85.2	7.9	20.1	46.5	8.8	8.1	25.9	18.4	30.3	43.3	821.0												
December	225.4	9.7	44.0	96.6	41.2	50.1	139.5	8.7	30.0	57.4	10.9	7.6	36.2	20.4	43.3	43.3	821.0												
1990 —																													
January	193.1	7.1	39.4	73.7	30.1	33.9	63.6	7.9	12.8	38.6	9.1	7.8	23.5	17.6	29.1	587.2													
February	182.3	7.2	34.4	71.6	24.7	27.7	53.1	5.6	13.0	35.5	8.7	8.1	22.7	18.4	26.8	539.7													
March	212.0	7.2	40.8	77.9	28.8	33.0	66.6	6.3	13.2	43.5	9.4	8.0	26.3	18.6	26.9	618.4													
April	198.0	6.4	41.0	71.7	28.9	36.8	70.5	7.3	11.9	38.5	7.7	7.4	24.3	20.3	25.6	596.1													
May	206.7	7.2	42.1	70.6	28.3	39.2	75.5	7.9	13.5	43.9	8.9	8.0	27.8	19.1	25.9	624.7													
June	201.5	6.2	42.9	68.6	30.8	37.5	80.3	7.1	13.8	43.4	8.9	6.9	26.4	21.0	25.2	620.6													
July	198.2	5.9	42.9	67.6	29.5	35.2	64.1	7.2	15.1	39.6	9.7	7.0	26.4	17.7	27.8	594.0													
August	212.5	5.9	43.7	70.1	29.3	35.4	69.9	5.4	14.0	41.7	8.9	6.2	28.1	19.8	25.3	616.1													
September	197.3	5.7	45.7	69.8	32.2	31.6	66.8	6.6	14.3	36.4	8.9	6.6	26.0	18.5	29.6	596.0													
October	205.1	6.1	49.5	71.2	31.9	32.4	73.6	6.9	15.5	38.9	10.1	7.0	28.9	17.5	31.6	626.3													
November	215.1	6.0	48.4	71.9	33.1	33.4	83.9	6.9	16.3	41.6	10.1	7.3	28.6	18.3	31.9	652.9													
December	245.7	6.6	54.8	90.0	39.2	48.5	140.0	8.8	28.8	52.6	10.1	5.3	37.7	23.4	40.1	831.5													
1991 —																													
January	216.7	6.2	47.6	71.7	33.3	30.1	65.9	7.1	13.6	36.9	9.6	4.6	23.4	16.1	26.3	603.9													
Standard error (b) of Level Change	4.5	1.2	4.6	4.5	4.1	2.5	0.0	0.2	1.7	2.5	0.9	0.5	2.8	2.5	2.8	10.9													
	1.6	0.7	3.0	1.4	2.3	2.5	0.0	0.1	1.9	2.7	0.7	0.3	6.5	1.7	2.2	9.3													
TREND ESTIMATES (c) \$ million																													
1990 —																													
August	210.0	5.8	46.0	74.1	n.p.	35.0	77.4	6.6	16.1	40.1	9.2	6.5	27.4	19.5	n.p.	633.0													
September	210.2	5.9	46.6	72.8	n.p.	34.1	76.8	6.5	15.7	40.0	9.2	6.4	27.3	19.1	n.p.	631.0													
October	210.6	6.1	47.3	71.5	n.p.	33.5	76.0	6.6	15.3	40.0	9.2	6.3	27.2	18.7	n.p.	629.5													
November	211.4	6.2	47.9	70.4	n.p.	33.0	75.2	6.7	15.0	40.0	9.2	6.1	27.1	18.2	n.p.	628.6													
December	212.6	6.4	48.5	69.4	n.p.	32.8	74.5	6.9	14.9	39.9	9.2	5.9	26.9	17.6	n.p.	628.1													
1991 —																													
January	213.6	6.5	48.8	68.5	n.p.	32.8	74.3	7.1	14.9	40.0	9.3	5.6	26.7	17.3	n.p.	628.6													
percentage change from preceding month																													
1990 —																													
August	0.3	0.0	1.8	-1.6	n.p.	-2.2	-0.3	-1.5	-0.6	-1.0	0.0	-3.0	-0.7	-2.0	n.p.	-0.2													
September	0.1	1.7	1.3	-1.8	n.p.	-2.6	-0.8	-1.5	-2.5	0.0	0.0	-1.5	-0.4	-2.1	n.p.	-0.3													
October	0.2	3.4	1.5	-1.8	n.p.	-1.8	-1.0	1.5	-2.5	0.0	0.0	-1.6	-0.4	-2.1	n.p.	-0.2													
November	0.4	1.6	1.3	-1.5	n.p.	-1.5	-1.1	1.5	-2.0	0.0	0.0	-3.2	-0.4	-2.7	n.p.	-0.1													
December	0.6	3.2	1.3	-1.4	n.p.	-0.6	-0.9	3.0	-0.7	-0.3	0.0	-3.3	-0.7	-3.3	n.p.	-0.1													
1991 —																													
January	0.5	1.6	0.6	-1.3	n.p.	0.0	-0.3	2.9	0.0	0.3	1.1	-5.1	-0.7	-1.7	n.p.	0.1													

See footnotes at end of table.

TABLE 7. TURNOVER OF RETAIL AND SELECTED SERVICE ESTABLISHMENTS,
MONTHLY ESTIMATES, AT CURRENT PRICES, BY INDUSTRY, STATES AND ACT (a)—continued

Month	Grocers, confectioners, tobacco- onists	Hotels, liquor stores, licensed clubs	Cafes and rest- aurants	Clothing and fabrics stores	Depart- ment and general stores	Domestic hardware stores, jewellers	Furni- ture stores	Floor- cover- ings stores	Pharma- cies	News- agents	Other stores	Total
	Butchers	Other food stores	Butchers	Other food stores	Footwear stores	Footwear stores	Jewellers	Jewellers				
TASMANIA \$ million												
ORIGINAL \$ million												
1989—												
November	56.2	4.1	8.7	25.3	4.7	13.9	20.7	2.6	3.6	9.4	4.0	6.8
December	64.3	5.4	11.8	32.4	6.7	19.0	35.0	3.4	5.7	13.2	4.1	7.1
1990—												
January	52.7	4.2	8.9	26.2	5.6	11.8	15.8	2.6	2.5	8.5	3.1	5.5
February	51.2	4.1	9.0	23.4	5.4	11.4	14.6	2.6	2.4	8.4	3.4	5.4
March	60.1	4.4	8.6	26.5	6.4	13.9	16.2	2.7	2.8	9.3	3.3	6.5
April	55.2	3.8	8.5	24.1	5.4	13.7	17.1	2.9	2.6	8.9	3.0	5.9
May	57.4	4.3	9.1	23.9	5.4	15.3	19.2	3.1	2.6	11.6	3.7	7.7
June	56.0	3.9	9.7	23.9	5.0	14.7	18.4	3.1	2.4	9.9	3.3	6.4
July	54.3	3.9	9.4	23.4	4.9	13.1	15.5	2.7	2.3	10.0	3.4	6.9
August	59.8	4.4	9.7	22.6	4.8	13.1	17.3	2.5	2.9	10.5	3.8	7.1
September	55.4	4.2	10.4	23.6	5.4	11.7	16.5	2.7	3.1	10.1	2.9	7.0
October	57.3	4.8	11.2	24.8	6.1	13.1	17.6	2.6	3.1	9.7	3.2	7.5
November	61.2	4.3	11.1	26.2	5.8	13.6	21.1	2.7	3.5	10.9	3.6	7.5
December	68.2	5.4	12.2	31.6	7.0	16.5	35.8	4.0	6.3	14.1	3.8	8.4
1991—												
January	61.6	4.1	11.8	29.7	5.8	12.1	16.7	2.7	2.9	9.7	3.1	6.9
Standard error (b) of Level Change	1.7	0.9	1.7	3.1	0.7	1.5	0.0	0.2	0.2	0.4	0.1	0.6
	1.0	0.2	0.3	1.3	0.5	0.9	0.0	0.1	0.3	0.6	0.2	0.4
TREND ESTIMATES(c)												
1990—												
August	57.9	4.2	10.3	25.1	n.p.	14.0	18.7	2.9	3.1	10.1	3.3	1.8
September	58.0	4.3	10.6	25.0	n.p.	13.7	18.8	2.9	3.2	10.3	3.3	1.8
October	58.4	4.4	10.8	25.1	n.p.	13.3	18.9	2.9	3.2	10.5	3.3	1.7
November	58.9	4.4	11.0	25.4	n.p.	12.9	19.1	2.9	3.2	10.7	3.3	1.6
December	59.5	4.4	11.1	25.7	n.p.	12.6	19.3	3.0	3.2	10.8	3.3	1.5
1991—												
January	60.2	4.4	11.2	26.1	n.p.	12.5	19.5	3.0	3.2	11.0	3.3	1.4
Percentage change from preceding month												
1990—												
August	-0.2	0.0	4.0	-0.4	n.p.	-2.1	0.0	0.0	3.3	1.0	-2.9	0.0
September	0.2	2.4	2.9	-0.4	n.p.	-2.1	0.5	0.0	3.2	2.0	0.0	1.4
October	0.7	2.3	1.9	0.4	n.p.	-2.9	0.5	0.0	1.9	0.0	-5.6	0.0
November	0.9	0.0	1.9	1.2	n.p.	-3.0	1.1	0.0	1.9	0.0	-5.9	0.0
December	1.0	0.0	0.9	1.2	n.p.	-2.3	1.0	0.3	3.4	0.0	0.9	-6.3
1991—												
January	1.2	0.0	0.9	1.6	n.p.	-0.8	1.0	0.0	0.0	1.9	0.0	-6.7

See footnotes at end of table.

TABLE 7. TURNOVER OF RETAIL AND SELECTED SERVICE ESTABLISHMENTS,
MONTHLY ESTIMATES, AT CURRENT PRICES, BY INDUSTRY, STATES AND ACT (a) —continued

Month	AUSTRALIAN CAPITAL TERRITORY										Other stores	Total	
	Grocers, confectioners, tobacco-wholesalers	Cafes, licensed clubs	Holiday, liquor stores	Clothing and fabrics stores	Department and general stores	Footwear stores	Domestic hardware stores, jewellers	Electrical goods stores	Furniture stores	Floor-coverings stores	Pharmacies	News-agencies	
ORIGINAL \$ million													
1989—													
November	31.8	2.1	6.2	13.6	6.7	10.3	20.5	1.5	4.1	7.2	3.1	1.4	4.3
December	35.1	2.4	7.3	15.4	7.3	11.9	34.3	2.0	6.8	8.3	4.7	1.5	5.2
1990—													
January	30.2	1.9	7.1	11.9	6.7	8.0	15.4	1.8	3.3	6.6	3.9	1.2	4.1
February	30.8	2.0	6.0	10.7	6.4	6.6	12.6	1.4	3.1	6.4	3.8	1.2	4.1
March	32.4	2.0	6.9	13.4	7.5	8.4	16.2	1.7	3.0	7.2	4.0	1.4	4.4
April	31.1	2.0	6.5	12.6	7.1	10.0	17.1	2.0	3.3	6.8	5.1	1.3	4.2
May	33.1	2.0	6.7	13.6	7.5	11.0	18.8	2.0	3.6	9.1	4.7	1.6	4.6
June	34.1	1.8	6.3	13.9	7.7	11.0	18.9	2.0	3.4	7.7	5.5	1.7	3.9
July	33.5	1.7	6.5	13.7	8.2	11.0	17.6	1.9	3.0	7.3	4.6	1.7	3.9
August	36.0	1.8	6.1	14.2	7.7	9.9	16.9	1.9	3.0	7.6	5.1	1.6	4.0
September	33.6	1.8	6.6	14.8	9.8	9.0	16.9	1.9	3.2	6.9	4.5	1.8	4.0
October	35.0	1.9	6.8	14.9	8.8	9.0	18.0	2.0	3.3	7.6	5.2	1.5	4.4
November	36.4	1.8	6.6	15.6	9.2	9.1	21.0	2.0	3.7	7.2	5.3	1.6	4.5
December	40.5	1.8	8.0	18.4	9.0	12.5	36.7	2.6	6.3	8.9	5.2	1.6	4.5
1991—													
January	36.2	1.6	7.6	13.0	7.6	8.4	16.3	2.2	3.4	6.5	4.3	1.5	3.8
Standard error (b) of													
Level Change	1.2	0.3	1.3	1.0	1.4	1.1	0.7	0.0	0.1	0.1	0.5	0.2	0.3
	0.4	0.0	1.1	1.4	1.1	0.8	0.0	0.0	0.1	0.1	0.3	0.0	0.3
TREND ESTIMATES(c)													
1990—													
August	34.6	1.7	6.2	14.4	n.p.	9.8	19.6	2.1	3.7	7.3	4.9	1.6	3.9
September	35.0	1.7	6.3	14.6	n.p.	9.7	19.6	2.1	3.5	7.2	4.8	1.6	3.9
October	35.3	1.7	6.5	14.7	n.p.	9.7	19.5	2.1	3.4	7.3	4.8	1.6	4.0
November	35.7	1.8	6.8	14.8	n.p.	9.7	19.3	2.1	3.3	7.3	4.8	1.7	4.1
December	36.2	1.8	7.1	14.8	n.p.	9.8	19.2	2.2	3.2	7.4	4.8	1.7	4.1
1991—													
January	36.7	1.8	7.4	14.8	n.p.	9.9	19.2	2.1	3.3	7.5	4.8	1.7	4.1
percentage change from preceding month													
1990—													
August	0.9	-5.6	-1.6	2.1	n.p.	-1.0	1.0	5.0	-5.1	-1.4	0.0	6.7	2.6
September	1.2	0.0	1.6	1.4	n.p.	-1.0	0.0	0.0	-5.4	-1.4	-2.0	0.0	2.1
October	0.9	0.0	3.2	0.7	n.p.	0.0	-0.5	0.0	-2.9	1.4	0.0	2.6	0.4
November	1.1	5.9	4.6	0.7	n.p.	0.0	-1.0	0.0	-2.9	0.0	0.0	6.3	2.5
December	1.4	0.0	4.4	0.0	n.p.	1.0	-0.5	4.8	-3.0	1.4	0.0	0.0	0.6
1991—													
January	1.4	0.0	4.2	0.0	n.p.	1.0	0.0	-4.5	3.1	1.4	0.0	0.0	0.8

(a) Excludes motor vehicle dealers, petrol stations, etc. (b) The standard error of the estimates for the latest month and of the latest month from the preceding month — see paragraphs 9 to 13 of Explanatory Notes. (c) Subject to revision — see paragraph 21 of Explanatory Notes.

TABLE 8. TURNOVER OF RETAIL AND SELECTED SERVICE ESTABLISHMENTS,
MONTHLY ESTIMATES AT CURRENT PRICES, NORTHERN TERRITORY (a)

Month	<i>Food stores, liquor stores, and licensed clubs (b)</i>		<i>All other stores</i>		<i>Total</i>	
	\$ million	% change from preceding month	\$ million	% change from preceding month	\$ million	% change from preceding month
<i>1989—</i>						
November	44.3	-2.2	22.1	5.2	66.5	0.2
December	46.1	4.1	31.7	43.4	78.0	17.3
<i>1990—</i>						
January	41.0	-11.1	18.6	-41.3	59.5	-23.7
February	40.5	-1.2	17.4	-6.5	57.9	-2.7
March	45.0	11.1	21.2	21.8	66.1	14.2
April	44.9	-0.2	20.4	-3.8	65.2	-1.4
May	49.1	9.4	23.6	15.7	72.5	11.2
June	50.3	2.4	24.3	3.0	74.5	2.8
July	53.8	7.0	25.2	3.7	79.0	6.0
August	54.6	1.5	26.0	3.2	80.5	1.9
September	51.4	-5.9	24.9	-4.2	76.3	-5.2
October	51.8	0.8	25.8	3.6	77.5	1.6
November	49.2	-5.0	25.6	-0.8	74.8	-3.5
December	50.3	2.2	33.8	32.0	84.1	12.4
<i>1991—</i>						
January	45.1	-10.3	19.9	-41.1	64.9	-22.8
<i>Standard error (c) of</i>						
Level	1.1		0.6		1.2	
Change	0.8		0.6		0.9	

(a) Excludes motor vehicle dealers, petrol stations, etc. (b) Includes Grocers, confectioners and tobacconists, Butchers, Other food stores, Hotels, liquor stores, licensed clubs, Cafes and restaurants. (c) The standard error of the estimates for the latest month and of the latest month from the preceding month — see paragraphs 9 to 13 of Explanatory Notes. NOTE: Series is not long enough to provide sufficient information to allow reliable seasonal adjustment estimates.

EXPLANATORY NOTES

Introduction

This publication presents monthly retail trade series based on estimates of the value of turnover of retail establishments classified by industry, and by State. These series replace the statistics based on the value of retail sales published up to June 1988.

2. From June 1988 the series in this publication are based on turnover data obtained from a sample of retail establishments. For the period until June 1988 the series have been adjusted to a turnover basis using movements in the previous retail sales series. Linked historical data are available on AUSSTATS, or can be provided by the ABS. More information on the survey methodology and the procedures used to link statistics for the new series with those for months prior to June 1988 are contained in the Information Paper: *Introduction of Improved Monthly Retail Trade Statistics* (8511.0).

Scope and coverage

3. The estimates of turnover are derived from a survey covering all States and the two Territories. It includes in its scope all retail trade establishments classified to ASIC subdivision 48, *except* motor vehicle dealers, service stations, etc (ASIC classes 4861-4868); milk and bread vendors (4878-4879); shoe repairers (4846); and electrical appliance repairers n.e.c. (4857). *Also included* are cafes and restaurants (9231); hotels, etc. (mainly drinking places) (9232); licensed clubs (9241-9243); and hairdressers (9351-9352).

4. Retail establishments which do not have employees are excluded from the coverage of the survey.

Definition of turnover

5. Turnover includes retail sales; wholesale sales; takings from repairs, meals and hiring of goods (except for rent, leasing and hiring of land and buildings); and commissions from agency activity (e.g. commissions received from collecting dry cleaning, selling lottery tickets, etc).

Industry detail

6. The names of the industries for which statistics are published in this bulletin align with the titles given in ASIC, except for the following groupings:

Other food stores: ASIC classes 4883, 4885, 4886

Hotels, liquor stores, licensed clubs: ASIC classes 9232, 4884, 9241, 9242, 9243

Clothing and fabrics stores: ASIC classes 4843, 4844, 4847

Electrical goods stores: ASIC classes 4855, 4856

Other stores: ASIC classes 4892, 4893, 4895, 4896, 4897, 9351, 9352

Constant price statistics

7. To enable analysis of the movement of retail activity in 'real' terms, estimates of retail turnover at constant (average 1984-85) prices are compiled each quarter. Constant price retail turnover series are derived by deflating the original current price series of retail turnover by specially compiled indexes of price change.

Reliability of estimates

8. Retail trade statistics may be subject to error from various sources, which are usually classified as either sample or non-sample error.

Sample error

9. Since retail turnover is estimated from a survey which includes a sampled component, the estimates are subject to sampling error. That is, they may differ from figures that would have resulted if all enterprises with retail establishments were included in the survey. One measure of the likely difference is given by the standard error. There are about two chances in three that a sample estimate will differ by less than one standard error from the figure that would have been obtained if all inscope units had been included, and about nineteen chances in twenty that the difference will be less than two standard errors.

10. Standard errors of estimates for the latest month and of estimates of change since the preceding month are shown in the tables. An example of the use of these standard errors is given below:

The *estimated change* of \$2415.5 million (25.7 per cent) in the total value of turnover between January 1991 and December 1990 has a standard error of about \$46.2 million (0.5 per cent). Therefore, there are two chances in three that the change which would have been obtained if all units had been included in the survey would be within the range \$2369.3 million to \$2461.7 million (25.2 per cent to 26.2 per cent) and nineteen chances in twenty that the change would be within \$2323.1 million to \$2507.9 million (24.7 per cent to 26.7 per cent).

11. The standard errors for some industries in some States are relatively high and users are advised to exercise caution in interpreting movements for such series. Some users may wish to combine such industries to obtain an estimate of the combined group which is more accurate than the components. The standard error of level of any such combination of industries may be calculated by squaring the standard error for each of the component industries, adding the squared standard errors together, and taking the square root of that sum. For example, suppose the standard error of level for Industry A is \$1.5 million and the standard error for Industry B is \$2.0 million. Then the standard error for the combination of Industries A and B is $\sqrt{(1.5)^2 + (2.0)^2} = \2.5 million.

12. Standard errors of estimates of change between non-consecutive months are not shown in publication tables.

These standard errors are generally much higher than the standard errors of change between consecutive months. For example, the standard error of change between the latest month and the corresponding month of the previous year is, on average, approximately 1.4 times the standard error of level of the latest month.

13. Seasonally adjusted, trend and constant price estimates are also subject to sampling variability. For seasonally adjusted estimates, the standard errors are approximately the same percentage of the estimate as for the unadjusted series. For trend estimates, the standard errors are generally not larger than for the seasonally adjusted estimates and are likely to be smaller. For constant price estimates, the standard errors may be up to 10 per cent higher than those for the corresponding current price estimates because of the sampling variability contained in the prices data used to deflate the current price estimates.

Non-sample error

14. This category includes a number of possible errors that arise in any type of collection, whether or not sampling of units is undertaken. The most significant of these errors are: misreporting of data items; deficiencies in coverage; non-response; and processing errors. In some cases the presence of these errors would, at least in part, be reflected in the size of the standard error.

15. *Reporting error.* Such error may arise because of poor form design, inability by survey respondents to provide requested data, or simply because of clerical error. Every effort is made to minimise reporting error by the careful design and testing of forms, and by examining inconsistencies both between different respondents and between the reports in successive months for each respondent.

16. Turnover is a relatively simple data item to collect accurately because it corresponds closely to total takings by respondents. While some reporting errors will be random and thus cancel out, others may be consistently in one direction and lead to bias in the results.

17. *Under coverage.* Because of limited sources available to identify enterprises with no employees, only enterprises with employees are included in the new survey. Non-employing units are estimated to account for approximately 6% of total turnover but their significance varies substantially from industry to industry. While the exclusion of such units will therefore lead to consistent underestimation of the level of turnover, their exclusion is considered to have a negligible effect on short term movements in Retail Trade.

18. Some error may also arise because of lags in the identification of new businesses. Studies undertaken by the ABS suggest that these lags also have a negligible impact on short term movements but lead to a small consistent underestimation of the level of turnover each month. An improved method of updating new businesses is currently being implemented. Refer to paragraph 26 for more details.

19. *Non-response.* The survey of Retail Trade is a monthly survey conducted to tight timetables so that not all forms are received in time for publication. Extensive telephone follow up is undertaken each month to obtain details for respondents who have not returned forms by the due date. Despite this, it is necessary to impute responses for approximately 5% of selected units (which are, in the main, small retailers). The consequences of this imputation for data quality are also reflected, in part, in the size of the standard error.

20. *Processing errors.* Such errors may arise at any stage of processing. Editing procedures should detect significant errors at data entry stage, while all processing systems are thoroughly tested. Published tables are produced directly from 'camera-ready' computer output to avoid the possibility of clerical transcription errors at the tabulation stage.

Seasonally adjusted and trend estimates

21. Seasonal adjustment is a means of removing the estimated effects of normal seasonal variation from the series so that the effects of other influences can be more clearly recognised.

22. In the seasonal adjustment of the turnover estimates, account has been taken of both normal seasonal factors and 'trading-day' effects (arising from the varying length of each month and the varying numbers of Sundays, Mondays, Tuesdays, etc. in the month). For total turnover for Australia, adjustment has also been made for the effects of change in the date of Easter and Australia Day holidays. Seasonal adjustment does not remove from the series the effect of irregular influences (e.g. abnormal weather, industrial disputes) and the seasonally adjusted estimates still reflect the sampling and non-sampling errors to which the original estimates are subject.

23. The smoothing of seasonally adjusted series to create trend estimates is a means of reducing the impact of the irregular component of the series. The trend estimates are derived by applying a 13-term Henderson-weighted moving average to the respective seasonally adjusted series. These trend series are used to analyse the underlying behaviour of the series over time.

24. While this smoothing technique enables estimates of trend to be produced for the latest month, it does result in revisions to the estimates for the most recent months as data for subsequent months become available. Generally subsequent revisions become smaller and after 3 months have a negligible impact on the series. To illustrate the effect of the seasonally adjusted results on the trend series movement, if the February seasonally adjusted result shows a +1.0 % movement, then the trend movement would be 0.3% for February, 0.4% for January, and 0.3% for December. A -1.0% movement would return a trend movement of 0.1% for February, 0.2% for January, and 0.1% for December.

Coverage adjustment

25. This survey uses as its sampling frame the ABS's register of businesses which is regularly updated to take

account of new businesses and businesses ceasing operation. A major source of information on new businesses is group employer (GE) registrations with the Australian Tax Office. The ABS is developing an improved computerised system which will reduce the delay in new businesses from this source being recorded on the register, while at the same time undertaking an analysis to identify businesses which have been omitted from the register in the past. During the time these improvements to the register are being implemented, it has been necessary to temporarily suspend updating the register from GE registrations. New GE businesses will be represented in the survey result for the period June to February 1991 by including a small allowance (a 'new business provision') which is based on analysis of the contribution of such units in previous periods and taking current changes to economic conditions into consideration. When the improvements to the business register have been completed in 1991 the series in this publication may be revised to correct any deficiencies in the new business provision for surveys from June to February 1991, using information that will then be available concerning new GE businesses.

Related publications

26. Current publications produced by the ABS are listed in the *Catalogue of Publications and Products, Australia* (1101.0). The ABS also issues, on Tuesdays and Fridays, a *Publications Advice* (1105.0) which lists publications to be released in the next few days. The Catalogue and Publications Advice are available from any ABS office.

Symbols and other usages

- | | |
|------|---|
| n.p. | not available for publication, but included in totals |
| ASIC | Australian Standard Industrial Classification |
| r | revised |

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