

Estimated Measures of Sampling Variability for Annual Sales, End-of-Year Inventories, Purchases, Expenses, and Gross Margin of U.S. Retail, Accommodations, and Food Services Firms by Kind of Business: 2007

[Estimates are shown as percents and are based on data from the 2007 Annual Retail Trade Survey. Estimates have been adjusted using results of the 2002 Economic Census]

NAICS Code	Kind of business	Coefficients of variation for					Standard errors for	
		Sales	End of year inventories	Purchases	Expenses ¹	Gross margin	Gross margin as percentage of sales	
	Retail and food services, total	0.5	NP	NP	NA	NP	NP	
	Total (excl. motor vehicle and parts dealers)	0.4	NP	NP	NA	NP	NP	
	Retail, total	0.6	0.5	0.7	NA	0.5	0.1	
	Retail, total (excl. motor vehicle and parts dealers)	0.6	0.6	0.7	NA	0.4	0.1	
	GAFO²	0.3	NP	0.3	NA	0.4	0.1	
441	Motor vehicle and parts dealers	1.1	1.1	1.1	NA	1.7	0.2	
4411, 4412	Automobile and other motor vehicle dealers	1.2	NP	NP	NA	NP	NP	
4411	Automobile dealers	1.3	NP	1.2	NA	2.2	0.2	
44111	New car dealers	1.2	NP	NP	NA	NP	NP	
44112	Used car dealers	4.1	NP	NP	NA	NP	NP	
4413	Auto parts, access., and tire stores	3.2	NP	3.4	NA	3.6	0.7	
442, 443	Furniture, home furnishings, electronics and appliance stores	0.8	NP	NP	NA	NP	NP	
442	Furniture and home furnishings stores	0.9	2.1	1.1	NA	1.2	0.3	
4421	Furniture stores	1.5	NP	NP	NA	NP	NP	
4422	Home furnishings stores	2.2	NP	NP	NA	NP	NP	
44221	Floor covering stores.....	4.4	NP	NP	NA	NP	NP	
442299	All other home furnishings stores.....	2.3	NP	NP	NA	NP	NP	
443	Electronics and appliance stores	1.3	1.3	1.3	NA	1.6	0.2	
44311	Appl., TV, and other elect. stores	1.6	NP	NP	NA	NP	NP	
443111	Household appliance stores	2.0	NP	NP	NA	NP	NP	
443112	Radio, TV, and other elect. stores	2.0	NP	NP	NA	NP	NP	
44312	Computer and software stores	2.6	NP	NP	NA	NP	NP	
444	Building mat. and garden equip. and supplies dealers	1.0	1.8	1.2	NA	1.4	0.3	
4441	Building mat. and supplies dealers	0.6	NP	0.9	NA	1.0	0.3	
44412	Paint and wallpaper stores.....	3.0	NP	NP	NA	NP	NP	
44413	Hardware stores	3.3	NP	NP	NA	NP	NP	
445	Food and beverage stores	0.9	1.0	0.8	NA	1.1	0.1	
4451	Grocery stores	1.0	NP	0.9	NA	1.2	0.1	
44511	Supermarkets and other grocery (except convenience) stores.....	0.9	NP	NP	NA	NP	NP	
4453	Beer, wine, and liquor stores	2.0	NP	2.0	NA	2.3	0.2	
446	Health and personal care stores	1.4	1.7	1.2	NA	2.0	0.3	
44611	Pharmacies and drug stores	1.3	NP	1.2	NA	1.9	0.2	
447	Gasoline stations	3.6	4.1	3.6	NA	4.0	0.1	
448	Clothing and clothing access. stores	1.0	1.9	1.2	NA	1.1	0.3	
4481	Clothing stores	1.3	NP	1.4	NA	1.2	0.2	
44811	Mens' clothing stores	2.7	NP	3.2	NA	2.9	0.6	
44812	Women's clothing stores	1.2	NP	1.3	NA	1.3	0.2	
44814	Family clothing stores	2.1	NP	2.2	NA	2.0	0.1	
44819	Other clothing stores	6.9	NP	NP	NA	NP	NP	
4482	Shoe stores	3.1	NP	3.2	NA	3.2	0.4	
44831	Jewelry stores	4.3	NP	NP	NA	NP	NP	
451	Sporting goods, hobby, book, and music stores	1.8	2.2	1.7	NA	2.2	0.3	
45111	Sporting goods stores	3.4	NP	NP	NA	NP	NP	
45112	Hobby, toy, and game stores	2.6	NP	NP	NA	NP	NP	
451211	Book stores	2.3	NP	NP	NA	NP	NP	
452	General merchandise stores	0.2	0.3	0.2	NA	0.3	Z	
4521	Department stores (excl. L.D.)	0.0	0.0	0.0	NA	0.0	0.0	
452111	Department stores (except discount dept. stores)	0.0	NP	0.0	NA	0.0	0.0	
452112	Discount dept. stores	0.0	NP	0.0	NA	0.0	0.0	
4521	Department stores (incl. L.D.) ³	0.0	NP	NP	NA	NP	NP	
452111	Department stores (except discount dept. stores)	0.0	NP	NP	NA	NP	NP	
452112	Discount dept. stores	0.0	NP	NP	NA	NP	NP	
4529	Other general merchandise stores	0.3	NP	0.3	NA	0.5	Z	
45291	Warehouse clubs and superstores	0.0	NP	0.0	NA	0.0	0.0	
45299	All other general merchandise stores	2.6	NP	2.8	NA	2.7	0.2	
453	Miscellaneous store retailers	1.6	1.9	1.5	NA	2.6	0.6	
4532	Office supplies, stationery, and gift stores.....	2.1	NP	NP	NA	NP	NP	
45321	Office supplies and stationery stores.....	2.1	NP	NP	NA	NP	NP	
45322	Gift, novelty, and souvenir stores.....	3.8	NP	NP	NA	NP	NP	
4533	Used merchandise stores.....	6.4	NP	NP	NA	NP	NP	
454	Nonstore retailers	1.5	2.3	1.5	NA	2.1	0.4	
4541	Electronic shopping and mail-order houses	1.2	NP	1.3	NA	1.5	0.3	
45431	Fuel dealers	2.7	NP	NP	NA	NP	NP	
72	Accommodation and food services, total	1.2	NP	NP	NA	NP	NP	
721	Accommodation	1.4	NP	NP	NA	NP	NP	
7211	Traveler accommodation	1.4	NP	NP	NA	NP	NP	
7212	RV parks and recreational camps	4.7	NP	NP	NA	NP	NP	
7213	Rooming and boarding houses	5.0	NP	NP	NA	NP	NP	
722	Food services and drinking places	1.5	NP	NP	NA	NP	NP	
7221	Full-service restaurants	2.3	NP	NP	NA	NP	NP	
7222	Limited-service eating places	2.6	NP	NP	NA	NP	NP	
7224	Drinking places	4.6	NP	NP	NA	NP	NP	

Z Estimate is less than 0.05.

NP Not Published.

NA Not Available. Coefficients of variation for expenses will be published in July 2009 with detailed expenses data from the 2007 Business Expenses Supplement.

¹Estimates include data only for businesses with paid employees.

²GAFO represents stores classified in the following NAICS codes: 442, 443, 448, 451, 452, and 4532. NAICS code 4532 includes office supplies, stationery, and gift stores.

³Includes data for leased departments operated within department stores. Data for this line not included in any aggregate kind-of-business totals.

Note: Information on confidentiality protection, sampling error, nonsampling error, sample design, and definitions can be found on the Internet at <www.census.gov/mrts/www/nrely.html>.