Calcbench

Financial Ratio Analysis

Ahmet Kurt, PhD Assistant Professor, Accounting Suffolk University Getting Financial Ratios with Calcbench

- 3 alternative methods:
 - 1. Create a dynamic financial ratio spreadsheet using Calcbench Excel Add-In (works best in PC).
 - 2. Display selected ratios within the webpage using the Multi-Company tool.
 - 3. Download all the ratios using the Bulk Data query.

1. Create a Dynamic Spreadsheet

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2. Multi-Company





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CALCBENCH

Company Detail Multi-Company Disclosures Analytics Data Breakouts XBRL Filer Portal Ahmet Kurt -

PEER GROUP - UNSAVED PEER GROUP - COST, KR, TGT, WMT

INDUSTRY SECTORS ?	Indexes	Current Peer Group	
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CONSTRUCTION		× TGT Target Corp	more
MANUFACTURING	Peer Group Name Save	× WMT Walmart Inc.	more
TRANSPORTATION, COMMUNICATIONS, ELECTRIC, GAS, AND SANITARY SERVICES	Email me when these companies file		
WHOLESALE TRADE	My Peer Groups / Portfolios ?		
RETAIL TRADE			
FINANCE, INSURANCE, AND REAL ESTATE			
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PUBLIC ADMINISTRATION	After you selected the focal company and three peer firms, click here.		Ŷ
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		Company Detail	Multi-Company Disclosures	Analytics Data Breakouts XBRL	Filer Portal Ahmet Kurt 🗸 🧿 🧕		
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Ticker	CurrentRatio			QuickRatio	QuickRatio	QuickRatio	<u></u>						
	Y-2017 Average : 0.87	Y-2016 Average : 0.90	Y-2015 Average : 0.96	Y-2017 Average : 0.23	Y-2016 Average : 0.23	Y-2015 Average : 0.29							
Costco Wholesale Corp /NEW (COST) 0.99		0.98	1.01	0.41	0.38	0.46	^						
Kroger Co (KR)	(KR) 0.78		0.76	0.14	0.15	0.16							
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Walmart Inc. (WMT)	0.76	0.86	0.93	0.16	0.19	0.22							
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2. Download Ratios



CALCBENCH Company Detail Multi-Company Disclosures Analytics Data Breakouts XBRL Filer Portal Ahmet Kurt 🗸 🧿 😰 Data Query Tool Tutorial Period Type: Annual @ Quarterly O Combined O? Whole Universe I Choose Companies | Individual Company: Company name or tick Looking at: Unsaved Peer Group - COST Date Range Type: All History TWMT Filter Companies: (expand) Select Metrics Standard Export | aggregated: Sum Average Count StDev Face Financials and Entity Metrics Entity Information: ALL: Income Statement: ALL: Balance Sheet: ALL: Cash Flow: Standard Industrial Classification Revenue Operating Assets □ NAICS Revenue, Adjusted Cash & Cash Equivalents Depreciation & Amortization Ticker Excise And Sales Taxes Restricted Cash And Investments, Current Increase or Decrease in Inventory 🖂 Central Index Key Net Interest Income (Financial Companies) Available For Sale Securities Increase or Decrease in Receivables City Non-Interest Income (Financial Companies) Short Term Investments Increase or Decrease in Accounts Payable Country Provision For Loan Loss (Financial Companies) Long Term Investments Increase or Decrease in Accrued Liabilities State Cost Of Revenue Total Investments Share Based Compensation 🗌 Zip Gross Profit Accounts Receivable Operating Cash Flow Fiscal Year End Date Research & Development Expense Inventory IFRS Filing Investing Selling, General & Administrative Expense LIFO Inventory Reserve Inline XBRL Filing Total Operating Expenses Capital Expenditure Payments (Gross) Loans Held For Sale Tag Count Asset Impairment Charge Proceeds from Sale of Productive Assets Deferred Tax Assets, Current Fact Count Restructuring Charge Capital Expenditures, Net Current Assets Extension Count Operating Expense Extraordinary Items Acquisition & Divestitures Property, Plant & Equipment Extension Fact Count Depreciation & Amortization Expense (If reported on Income Statement) Investing Cash Flow Accumulated Depreciation Revision Count Lease Impairment Loss Financing Accrued Income Taxes Filer Category Operating Income Total Loans Receivable Payments Of Dividends Scale Error Count Earnings Before Interest & Taxes (EBIT) Loans Receivable, Commercial Payments Of Dividends, Common Stock Sign Switch Count Interest & Investment Income Loans Receivable, Consumer Payments Of Dividends, Preferred Stock Document Entity Information (DEI) Error Count Interest Expense Allowance for Loan Loss Payments Of Dividends, Noncontrolling Interest Link To Filing At sec.gov Earnings Before Interest, Taxes, Depreciation and Amortization (EBITDA) Finance Lease Right Of Use Asset Financing Cash Flow Earnings Release Date Earnings Before Taxes Operating Lease Right Of Use Asset Effect Of Exchange Rate On Cash And Cash Equivalents Proxy Filing Date Income Tax Provision Goodwill Total Cash Increase/Decrease For Period Link To Earnings Release Noncontrolling Interest Income/Loss Intangible Assets Excluding Goodwill Link To Proxy Statement Net Income, Discontinued Operations Deferred Tax Assets, Noncurrent Period End Date Net Income, Continuing Operations Assets Period Start Date Net Income Filing Date Liabilities Net Income Attributable to Common Stockholders Shares Outstanding At End Of Period Earnings Per Share, Basic Deposits Stock Price At End Of Period Earnings Per Share, Diluted Accounts Payable Entity Public Float Average Common Shares Outstanding, Basic Short Term Debt Average Common Shares Outstanding, Diluted Current Portion Of Long-Term Debt

INDUSTRY	SECTORS	2		Indexes			Current Peer Group					
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				S&P 500				Add Compa	ny	Enter Ticker List	4 Compani	
ind Peers	or Company	/ Search SIC	C Sectors	IFRS Filer	500			Ticker	Con	pany Name	Clear All	
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Related Party Usclosures O Restructuring & Discontinued Operations O Retail & Related O Revenue From Contracts O Segment O Tax O Utilities O Captive Finance O Other Non-XBRL O			
Ratios			
 ALL: Profitability Ratios: Asset Turnover Enterprise Value To EBITDA Gross Profit Margin Net Profit Margin Operating Cash Flow Per Share Price Earnings Ratio (PE Ratio) Return On Assets (ROA) Return On Invested Capital (ROIC) Return On Equity (ROE) 	 ALL: Liquidity Ratios: Accounts Receivable Turnover Cash Ratio Cash To Cash Cycle Current Ratio Days Inventory Held Days Payables Out Days Sales Outstanding Inventory Turn Operating Cash Flow Ratio Payables Turnover Quick Ratio Working Capital Turnover 	 ALL: Solvency Ratios: Debt Ratio Debt To EBITDA Ø Debt To Equity Ø Times Interest Earned Assets To Equity 	 ALL: Other Calculations: Free Cash Flow Working Capital Enterprise Value At End Of Period Market Cap At End Of Period Income Tax Rate % (Implied)
EXPORT TO EXCEL Include Trace Links? Export periods in rows	● or columns ○ (results are restricted to 500000 rows)		
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Inventory Investments, Available For Sale Securites Investments, Equity & Cost Method Non-GAAP Metrics Non-GAAP Operating Metrics Oil, Gas & Energy Operating Leases Prepaid Expenses Protet Equity Product Warranty Product Warranty Proyey Metrics Real Estate Investment Trusts Related Party Disclosures Retail & Related Revenue From Contracts	Opening Calcbench Data Query Export.xlsx You have chosen to open: Calcbench Data Query Export.xlsx which is: Microsoft Excel Worksheet from: https://www.calcbench.com What should Firefox do with this file? © Open with Microsoft Excel (default) O Save File Do this gutomatically for files like this from now on.	×	
Segment O Tax O Utilities O Captive Finance O Other Non-XBRL O	OK Can	el	
ALL: Profitability Ratios: Asset Turnover Enterprise Value To EBITDA Gross Profit Margin Net Profit Margin Operating Cash Flow Per Share Price Earnings Ratio (PE Ratio) Return On Assets (ROA) Return On Equity (ROE)	ALL: Liquidity Ratios: Accounts Receivable Turnover Cash Ratio Cash To Cash Cycle Current Ratio Days Inventory Held Days Payables Out Days Sales Outstanding Inventory Turn Operating Cash Flow Ratio Payables Turnover Quick Ratio Working Capital Turnover	 ALL: Solvency Ratios: Debt Ratio Debt To EBITDA Ø Debt To Equity ✓ Times Interest Earned Assets To Equity 	ALL: Other Calculations: Free Cash Flow Working Capital Enterprise Value At End Of Period Market Cap At End Of Period Income Tax Rate % (Implied)

1	А	В	С	D	E	F	G	Н	1	J	K	L	М	N	0	P	Q
1	Exported from Calcbench: 10/2	5/2018 2:23:14	PM ES	т													
2	**For more features, download	the Calcbench	Excel	Add-in at ww	w.calcbench	.com/excel											
3	Period: all yearly																
4																	
5	Company	calendar_yeat	ticker	СІК	period_end	SharesOutstandi	EndOfPeriodStockPric	AssetTurn	GrossProfitMargin	NetProfitMargin	PERatio	ROIC	ROE	AcctReceivableTurn	CashToCashCycle	CurrentRatio	DaysInventoryHeld
6	Costco Wholesale Corp /NEW	2018 (COST	0000909832	9/1/2018	438,189,000	\$233.14	3.67	13.01%	2.21%	32.87	24.33%	25.92%	91.31	3.72	1.02	30.93
7	Costco Wholesale Corp /NEW	2017 (COST	0000909832	9/2/2017	437,204,000	\$151.28	3.71	13.29%	2.08%	24.90	21.26%	22.89%	96.14	4.79	0.99	30.67
8	Costco Wholesale Corp /NEW	2016 (COST	0000909832	8/27/2016	437,524,000	\$167.75	3.59	13.32%	1.98%	31.50	17.45%	20.28%	95.90	8.66	0.98	31.71
9	Costco Wholesale Corp /NEW	2015 (COST	0000909832	8/29/2015	437,952,000	\$143.71	3.54	13.02%	2.05%	26.77	20.46%	20.35%	97.98	3.47	1.01	31.36
10	Costco Wholesale Corp /NEW	2014 (COST	0000909832	8/30/2014	437,683,000	\$121.62	3.58	12.59%	1.83%	26.15	18.21%	17.49%	95.90	3.59	1.22	30.31
11	Costco Wholesale Corp /NEW	2013 (COST	0000909832	8/31/2013	436,839,000	\$112.24	3.66	12.56%	1.94%	24.25	18.72%	17.33%	94.44	4.26	1.19	29.75
12	Costco Wholesale Corp /NEW	2012 (COST	0000909832	9/1/2012	432,350,000	\$94.74	3.68	12.42%	1.72%	24.36	17.62%	13.62%	99.59	2.91	1.10	28.87
13	Costco Wholesale Corp /NEW	2011 (COST	0000909832	8/27/2011	434,266,000	\$74.36	3.52	12.57%	1.64%	22.54	15.09%	12.44%	96.18	4.40	1.14	28.82
14	Costco Wholesale Corp /NEW	2010 0	COST	0000909832	8/28/2010	433,510,000	\$55.01	3.40	12.77%	1.67%	18.83	14.15%	12.39%	90.74	2.48	1.16	29.64
15	Costco Wholesale Corp /NEW	2009 (COST	0000909832	8/29/2009	435,974,000	\$47.91	3.35	12.72%	1.52%	19.43	12.73%	11.21%		4.00	1.11	
16	Costco Wholesale Corp /NEW	2008 0	COST	0000909832	8/30/2008		\$66.25		12.39%	1.77%	22.94	19.05%			0.00		
17	Kroger Co	2017	KR	0000056873	2/2/2018	854,098,314	\$29.49	3.33	22.01%	1.55%	13.98	11.98%	28.01%	74.66	7.45	0.78	24.98
18	Kroger Co	2016 H	KR	0000056873	1/27/2017	914,240,326	\$34.91	3.28	22.40%	1.71%	16.93	11.28%	29.24%	68.19	8.25	0.80	25.96
19	Kroger Co	2015	KR	0000056873	1/29/2016	962,480,228	\$37.85	3.41	22.16%	1.86%	18.19	12.73%	33.32%	73.22	7.64	0.76	25.31
20	Kroger Co	2014 H	KR	0000056873	1/30/2015	491,106,583	\$67.00	3.63	21.16%	1.59%	38.50	12.34%	31.89%	91.07	6.97	0.78	24.20
21	Kroger Co	2013 H	KR	0000056873	1/31/2014	510,765,637	\$36.43	3.65	20.57%	1.54%	24.94	11.21%	31.62%	90.79	7.74	0.82	25.22
22	Kroger Co	2012	KR	0000056873	2/1/2013	520,863,025	\$27.66	4.02	20.59%	1.55%	9.92	14.09%	36.60%	96.62	7.12	0.72	24.40
23	Kroger Co	2011	KR	0000056873	1/27/2012	560,267,228	\$24.12	3.84	20.92%	0.67%	23.76	7.57%	13.00%	100.63	7.85	0.80	25.77
24	Kroger Co	2010	KR	0000056873	1/28/2011	620,635,423	\$21.51	3.52	22.24%	1.36%	12.30	11.53%	21.83%	93.56	7.99	0.94	28.32
25	Kroger Co	2009 H	KR	0000056873	1/29/2010	646,221,726	\$21.59	3.30	23.18%	0.09%	200.48	0.84%	1.37%	82.69	10.81	0.97	30.52
26	Kroger Co	2008 H	KR	0000056873	1/30/2009		\$24.76		23.12%	1.64%	13.04	11.88%	24.28%		11.28	0.95	15.39
27	Kroger Co	2007 H	KR	0000056873	2/1/2008		\$26.64		23.64%	1.72%	15.36	32.39%			0.22		
28	Target Corp	2017	TGT	0000027419	2/2/2018	541,681,670	\$76.89	1.85	28.87%	4.05%	14.52	16.97%	25.83%		(0.57)	0.96	60.35
29	Target Corp	2016	TGT	0000027419	1/27/2017	556,156,228	\$66.85	1.79	29.28%	3.94%	14.23	15.81%	22.93%		7.85	0.94	62.80
30	Target Corp	2015	TGT	0000027419	1/29/2016	602,226,517	\$67.59	1.81	29.20%	4.56%	12.72	17.21%	24.95%		8.27	1.12	58.98
31	Target Corp	2014 1	TGT	0000027419	1/30/2015	640,213,987	\$73.95	1.69	29.39%	-2.25%	(28.93)	12.37%	-10.82%		3.72	1.16	58.94
32	Target Corp	2013	TGT	0000027419	1/31/2014	632,930,740	\$58.98	1.54	29.80%	2.77%	19.21	11.52%	12.02%		6.88	0.91	59.01
33	Target Corp	2012	TGT	0000027419	2/1/2013	645,294,423	\$61.04	1.55	31.01%	4.09%	13.50	11.26%	18.52%		6.11	1.17	57.10
34	Target Corp	2011	TGT	0000027419	1/27/2012	669,292,929	\$49.87	1.55	31.50%	4.19%	11.64	10.76%	18.71%	5.58	74.51	1.15	59.16
35	Target Corp	2010	TGT	0000027419	1/28/2011	704,038,218	\$54.53	1.53	32.15%	4.33%	13.62	11.56%	18.94%	5.14	74.40	1.71	58.97
36	Target Corp	2009 1	TGT	0000027419	1/29/2010	744,644,454	\$50.72	1.47	32.58%	3.81%	15.39	12.21%	17.12%	4.34	83.34	1.63	57.51
27	Target Corp	2000	TGT	0000027410	1/20/2000	752 712 464	\$24.14		22.01%	2 419/	11.02	10 56%	15 26%		02.00	1 66	