

User guide

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|--|-------------|--|------------------|-----------|---------------|-----------|-------------|-------------|---------------|---|---|-------------|---|
| A B | | C | | D | E | F | G | H | I | J | K | L | M |
| <div><div><div><div><div></div><div>PitchBook</div></div></div><div><div>Income Statement (TTM)</div><div>Downloaded On: 08-Feb-2023</div><div>Company: Apple (NAS: AAPL)</div></div></div><div>Amounts in Thousands, USD (except Ratios, Multiples & per share items)</div></div> | | <div><div>Summary Stats</div><div><div>Median</div><div>Mean</div><div>Min</div><div>Max</div><div>25th pctile</div><div>75th pctile</div><div>Std. Dev</div><div>Coefficient of Variation</div></div><div><div>Dec-2022</div></div></div> | | | | | | | | | | | |
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| | | | | | | | | | | | | | |
| Gross Profit | | | | | | | | | | | | | |
| Revenue | | | | | | | | | | | | | |
| Business Revenue | | 9,763,000 | 79,283,553 | 47,900 | 394,328,000 | 5,938,000 | 166,895,500 | 112,313,686 | 1.42 | | | 387,537,000 | |
| Total Revenue | | 9,763,000 | 79,283,553 | 47,900 | 394,328,000 | 5,938,000 | 166,895,500 | 112,313,686 | 1.42 | | | 387,537,000 | |
| Cost of Revenue | | | | | | | | | | | | | |
| Cost of Goods and Services | | 20,154,500 | 64,061,783 | 3,991,337 | 223,546,000 | 5,868,250 | 132,811,500 | 70,867,040 | 1.11 | | | 220,666,000 | |
| Total Cost of Revenue | | 9,889,000 | 54,762,935 | 161,500 | 223,546,000 | 4,621,000 | 109,546,000 | 68,903,264 | 1.26 | | | 220,666,000 | |
| Total Gross Profit | | 4,042,000 | 35,505,383 | 173,300 | 170,782,000 | 1,829,500 | 68,840,500 | 47,360,366 | 1.33 | | | 166,871,000 | |
| Peer Group | Key Metrics | Income Statement | income_statement | RAW_DATA | Balance Sheet | Cash Flow | Ratios | Multiples | Estimates ... | | | | |

- | A | B | C | D | E | F | G | H | I | J | K | L | M | N |
|--|----------|----------|---------------|----------|-----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Income Statement (TTM) | | | | | | | | | | | | | |
| Downloaded On: 08-Feb-2023 | | | | | | | | | | | | | |
| Company: | Dec-2022 | Sep-2022 | Jun-2022 | Mar-2022 | Dec-2021 | Sep-2021 | Jun-2021 | Mar-2021 | Dec-2020 | Sep-2020 | Jun-2020 | Mar-2020 | Dec-2019 |
| Amounts in Thousands, USD (except Ratios, Multiples & per share items) | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| Gross Profit | | | | | | | | | | | | | |
| Revenue | | | | | | | | | | | | | |
| Business | 3.88E+08 | 3.94E+08 | 3.88E+08 | 3.86E+08 | 3.78E+08 | 3.66E+08 | 3.47E+08 | 3.25E+08 | 2.94E+08 | 2.75E+08 | 2.74E+08 | 2.68E+08 | 2.68E+08 |
| Total | 3.88E+08 | 3.94E+08 | 3.88E+08 | 3.86E+08 | 3.78E+08 | 3.66E+08 | 3.47E+08 | 3.25E+08 | 2.94E+08 | 2.75E+08 | 2.74E+08 | 2.68E+08 | 2.68E+08 |
| Cost of Sales | | | | | | | | | | | | | |
| Cost of Sales | 2.21E+08 | 2.24E+08 | 2.2E+08 | 2.19E+08 | 2.16E+08 | 2.13E+08 | 2.05E+08 | 1.96E+08 | 1.8E+08 | 1.7E+08 | 1.69E+08 | 1.66E+08 | 1.66E+08 |
| Total | 2.21E+08 | 2.24E+08 | 2.2E+08 | 2.19E+08 | 2.16E+08 | 2.13E+08 | 2.05E+08 | 1.96E+08 | 1.8E+08 | 1.7E+08 | 1.69E+08 | 1.66E+08 | 1.66E+08 |
| Total Gross Profit | 1.67E+08 | 1.71E+08 | 1.68E+08 | 1.67E+08 | 1.63E+08 | 1.53E+08 | 1.42E+08 | 1.3E+08 | 1.14E+08 | 1.05E+08 | 1.05E+08 | 1.02E+08 | 1.02E+08 |
| Operating Expenses | | | | | | | | | | | | | |
| Selling, General & Administrative | 25252000 | 25094000 | 24270000 | 23670000 | 22791000 | 21973000 | 21293000 | 20712000 | 20350000 | 19916000 | 19558000 | 19153000 | 18653000 |
| Research & Development | 27654000 | 26251000 | 25262000 | 24182000 | 23057000 | 21914000 | 21120000 | 20161000 | 19464000 | 18752000 | 17884000 | 17383000 | 16763000 |
| Depreciation & Amortization | | | | | | | | | | | | | |
| Total Operating Expenses | | | | | | | | | | | | | |
| Total Operating Profit | 52906000 | 51345000 | 49532000 | 47852000 | 45848000 | 43887000 | 42413000 | 40873000 | 39814000 | 38668000 | 37442000 | 36536000 | 35423000 |
| Total Operating Profit | 1.14E+08 | 1.19E+08 | 1.18E+08 | 1.19E+08 | 1.17E+08 | 1.09E+08 | 99938000 | 88903000 | 74253000 | 66288000 | 67138000 | 65591000 | 66153000 |
| Non-Operating Income | | | | | | | | | | | | | |
| Income Statement | | | Balance Sheet | | Cash Flow | | (+) | | | | | | |

3. Repeat the same steps for Balance Sheet and Cash Flow sheets.

	A	B	C	D	E	F	G	H	I	J	K	L	M
	Balance Sheet (TTM)												
	Downloaded On: 08-Feb-2023												
	Company:	Dec-2022	Sep-2022	Jun-2022	Mar-2022	Dec-2021	Sep-2021	Jun-2021	Mar-2021	Dec-2020	Sep-2020	Jun-2020	Mar-2020
	Amounts in Thousands, USD (except Ratios, Multiples & per share items)												
	Assets												
	Current												
	Cash,												
	Cash	20535000	23646000	27502000	28098000	37119000	34940000	34050000	38466000	36010000	38016000	33383000	40174
	C	17908000		12852000	14298000	17992000		14853000	19444000	18729000	17773000	20253000	24405
	C	2627000		14650000	13800000	19127000		19197000	19022000	17281000	20243000	13130000	15769
	T	20535000	23646000	27502000	28098000	37119000	34940000	34050000	38466000	36010000	38016000	33383000	40174
	Sho	30820000	24658000	20729000	23413000	26794000	27699000	27646000	31368000	40816000	52927000	59642000	53877
	O	30820000	24658000	20729000	23413000	26794000	27699000	27646000	31368000	40816000	52927000	59642000	53877
	T	30820000	24658000	20729000	23413000	26794000	27699000	27646000	31368000	40816000	52927000	59642000	53877
	Tot	51355000	48304000	48231000	51511000	63913000	62639000	61696000	69834000	76826000	90943000	93025000	94051
	Invent												
	Raw	2513000											
	Wo												
	Fin	4307000											
	Tot	6820000	4946000	5433000	5460000	5876000	6580000	5178000	5219000	4973000	4061000	3978000	3334
	Trade												
	Income Statement Balance Sheet Cash Flow (+)												

4. Save the new excel file in default (xlsx) format.
5. Place the file into the same folder with the python script file.
6. Run the python script to conduct your analysis.

Analysis Result Screenshots:

1) Choose file

Which excel file that you want to use?

1. apple.xlsx
2. apple_fs.xlsx
3. costco.xlsx
4. costco_2_date_test.xlsx
5. costco_org.xlsx
6. ~\$apple.xlsx

2) Variables checks

```
./apple.xlsx
-----
Most recent year : 2022
Earliest year: 1979
-----
Cash and Cash Equivalents: Passed!
Total Short Term Investments: Passed!
Total Inventories: Passed!
Total Trade and Other Receivables, Current (Account Receivable): Passed!
Total Current Assets: Passed!
Total Gross Property, Plant and Equipment: Passed!
Accumulated Depreciation: Passed!
Total Net Property, Plant and Equipment: Passed!
Total Assets: Passed!
Total Payables and Accrued Expenses, Current (Account Payable): Passed!
Total Current Liabilities: Passed!
Total Liabilities: Passed!
Total Equity: Passed!
Common Shares Outstanding: Passed!
Total Revenue: Passed!
Total Cost of Revenue (COGS): Passed!
Total Gross Profit: Passed!
Research and Development Expenses (R&D Expense): Passed!
Total Operating Profit/(Loss) (Operating Income): Passed!
Interest Expense Net of Capitalized Interest (Interest Expense): Passed!
Pretax Income (EBIT): Passed!
Net Income from Continuing Operations (Net Income): Passed!
Total Cash Flow from Operating Activities, Indirect: Passed!

Do you want to continue?
```

3) Analysis options

```
Please choose the ratios:

----- Liquidity Ratios -----
1. Current Ratio
2. Quick or Acid Test Ratios
----- Productivity Ratio -----
3. Asset Turnover Ratio
4. PPE Turnover
5. Account Receivable Turnover
6. Inventory Turnover
7. Account Payable Turnover
8. Percent PPE Used Up
----- Cash Conversion Cycle -----
9. Days Sales Outstanding (DSO)
10. Days in Inventory (DIO)
11. Days Payable Outstanding (DPO)
12. Cash Conversion Cycle (CCC)
----- Financial Leverage Ratio -----
13. Liabilities to Equity
14. Financial Leverage as a standalone ratio
15. Financial Leverage (for decomposition)
16. Times Interest Earned
17. Cash from Operations/Total Debt
----- Profitability Ratios -----
18. Return on Assets (ROA)
19. Return on Equity (ROE)
20. Gross Profit Margin
21. Operating Profit Margin
22. Net Profit Margin
----- Other Commonly Used Ratios -----
23. Earning Per Share (EPS)
24. Research and Development as a Percent of Sales
```

4) Current Ratio Test result

```
This is the Current Ratio calculation. Please choose a year:  
Current Assets: 163,231,000  
Current Liabilities: 102,161,000  
-----  
Current Ration for year 2019 is 1.6
```

5) Acid Test Result

```
This is the Quick or Acid Test Ratio calculation. Please choose a year:  
Cash: 16,371,000  
Account Receivable: 27,977,000  
Marketable Securities: 44,081,000  
Current Liabilities: 84,130,000  
-----  
Acid Test Ration for year 2016 is 1.05
```

6) Days Sales Outstanding (DSO) Ratio Result

```
This is the Quick or Acid Test Ratio calculation. Please choose a year:  
Cash: 16,371,000  
Account Receivable: 27,977,000  
Marketable Securities: 44,081,000  
Current Liabilities: 84,130,000  
-----  
Acid Test Ration for year 2016 is 1.05
```

7) Earnings Per Share (EPS) Ratio Result

```
This is the Earnings Per Share (EPS) Ratio calculation. Please choose a year:  
Net Income: 100,555,000  
Average Common Share Outstanding: 16,578,817,000.0  
-----  
Earnings Per Share (EPS) Ratio for 2021 is 0.01
```

Note:

- 1) The Account Chart name should be in column A.
- 2) Financial statement year should be in the same row across different period.
- 3) Sheet name show be same figure “Income Statement”, “Balance Sheet”, and “Cash Flow”.