

financial_market_data_git

September 23, 2022

```
[1]: import requests, json, pandas as pd

symbols = ["MCD", "JACK", "DENN", "RUTH", "DPZ", "PZZA"]
api = "nope"

bs_list = []
is_list = []
cf_list = []

[2]: for i in symbols:
    res = requests.get(f"https://financialmodelingprep.com/api/v3/
↪balance-sheet-statement/{i}?apikey={api}&limit=1")
    bs_list.append(json.loads(res.text))

    res1 = requests.get(f"https://financialmodelingprep.com/api/v3/
↪income-statement/{i}?apikey={api}&limit=1")
    is_list.append(json.loads(res1.text))

    res2 = requests.get(f"https://financialmodelingprep.com/api/v3/
↪cash-flow-statement/{i}?apikey={api}&limit=1")
    cf_list.append(json.loads(res2.text))

[3]: bs_df = pd.DataFrame()
is_df = pd.DataFrame()
cf_df = pd.DataFrame()

empty = pd.DataFrame()

for i in range(len(bs_list)):
    adf = pd.DataFrame(bs_list[i])
    bs_df = pd.concat([adf, bs_df], ignore_index=True)

    adf = pd.DataFrame(is_list[i])
    is_df = pd.concat([adf, is_df], ignore_index=True)

    adf = pd.DataFrame(cf_list[i])
    cf_df = pd.concat([adf, cf_df], ignore_index=True)
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removed_cols = ["date", "reportedCurrency", "fillingDate", "acceptedDate",
↳ "calendarYear", "period",
    "link", "finalLink", "cik"]
```

```
bs_df.drop(removed_cols, axis = 1, inplace=True)
is_df.drop(removed_cols, axis = 1, inplace=True)
cf_df.drop(removed_cols, axis = 1, inplace=True)
```

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[4]: bs_df
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```
[4]:  symbol  cashAndCashEquivalents  shortTermInvestments  \
0    PZZA                70610000                0.0
1    DPZ                 148160000                0.0
2    RUTH                 92133000                0.0
3    DENN                 30624000        2551000.0
4    JACK                 55346000                0.0
5    MCD                  4709200000                0.0
```

```
    cashAndShortTermInvestments  netReceivables  inventory  \
0                70610000        103108000  34981000.0
1            148160000        255327000  68328000.0
2            92133000        41588000   8554000.0
3            33175000        19621000   5060000.0
4            55346000        74335000   2335000.0
5            4709200000        1872400000         0.0
```

```
    otherCurrentAssets  totalCurrentAssets  propertyPlantEquipmentNet  \
0            46310000.0        255009000        421019000
1            388725000.0        860540000        534767000
2            3919000.0        146194000        295460000
3            11393000.0        69249000        227612000
4            36942000.0        168958000        1256980000
5            566900000.0        7148500000        38272600000
```

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    goodwill  ...  accumulatedOtherComprehensiveIncomeLoss  \
0  80632000.0  ...                -9.971000e+06
1  15034000.0  ...                -2.820000e+06
2  45549000.0  ...                0.000000e+00
3  36884000.0  ...                -5.447000e+07
4  47774000.0  ...                -7.425400e+07
5           0.0  ...                -2.573000e+09
```

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    othertotalStockholdersEquity  totalStockholdersEquity  \
0                -3.613460e+08        -187670000
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1	8.400000e+05	-4209536000
2	6.892300e+07	135211000
3	1.050040e+08	-65265000
4	-2.508865e+09	-817882000
5	0.000000e+00	-4601000000

	totalLiabilitiesAndStockholdersEquity	minorityInterest	totalEquity \
0	864994000	20710000	-166960000
1	1671816000	0	-4209536000
2	535979000	0	135211000
3	435527000	0	-65265000
4	1750137000	0	-817882000
5	53606400000	0	-4601000000

	totalLiabilitiesAndTotalEquity	totalInvestments	totalDebt	netDebt
0	885704000	0.0	685502000	614892000
1	1671816000	0.0	5291852000	5143692000
2	535979000	0.0	313684000	221551000
3	435527000	0.0	324821000	294197000
4	1750137000	0.0	2234141000	2178795000
5	53606400000	0.0	48643600000	43934400000

[6 rows x 45 columns]

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[5]: is_df
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[5]: symbol      revenue  costOfRevenue  grossProfit  grossProfitRatio \
0    PZZA  2068421000    1639099000    429322000      0.207560
1    DPZ   4357373000    2669131000    1688242000      0.387445
2    RUTH   429123000    308121000    121002000      0.281975
3    DENN   398174000    256072000    142102000      0.356884
4    JACK  1143670000    732075000    411595000      0.359890
5    MCD   23222900000    10642700000  12580200000      0.541715
```

	researchAndDevelopmentExpenses	generalAndAdministrativeExpenses \
0	0.0	199171000.0
1	0.0	428333000.0
2	0.0	32531000.0
3	0.0	68686000.0
4	0.0	0.0
5	0.0	0.0

	sellingAndMarketingExpenses	sellingGeneralAndAdministrativeExpenses \
0	0.0	199171000
1	479501000.0	907834000
2	13464000.0	45995000
3	0.0	68686000

4	0.0	82734000
5	0.0	2377800000

	otherExpenses	...	totalOtherIncomeExpensesNet	incomeBeforeTax	\
0	48816000.0	...	-1.729300e+07	150948000	
1	0.0	...	-1.547030e+08	625705000	
2	22381000.0	...	-3.376000e+06	46338000	
3	-30659000.0	...	2.800000e+04	104103000	
4	48092000.0	...	-6.833900e+07	221607000	
5	329700000.0	...	-1.228100e+09	9127900000	

	incomeBeforeTaxRatio	incomeTaxExpense	netIncome	netIncomeRatio	\
0	0.072977	2.599300e+07	120016000	0.058023	
1	0.143597	1.152380e+08	510467000	0.117150	
2	0.107983	4.063000e+06	42275000	0.098515	
3	0.261451	2.603000e+07	78073000	0.196078	
4	0.193768	5.585200e+07	165755000	0.144933	
5	0.393056	1.582700e+09	7545200000	0.324903	

	eps	epsdiluted	weightedAverageShsOut	weightedAverageShsOutDil
0	0.120000	0.120000	35007000	35337000
1	14.039114	13.540000	36138273	37691351
2	1.230000	1.230000	34255966	34468198
3	1.192919	1.185997	60812000	60812000
4	7.400000	7.370000	22399324	22490502
5	10.122350	10.122350	747245427	751600000

[6 rows x 29 columns]

[6]: cf_df

[6]:	symbol	netIncome	depreciationAndAmortization	deferredIncomeTax	\
0	PZZA	120016000	48816000.0	3753000.0	
1	DPZ	510467000	72923000.0	1988000.0	
2	RUTH	42275000	20487000.0	9015000.0	
3	DENN	78073000	15446000.0	14097000.0	
4	JACK	165755000	46500000.0	8008000.0	
5	MCD	7545200000	0.0	0.0	

	stockBasedCompensation	changeInWorkingCapital	accountsReceivables	\
0	16919000.0	-9497000.0	4023000.0	
1	28670000.0	86470000.0	-8107000.0	
2	4888000.0	2486000.0	-18471000.0	
3	13602000.0	18117000.0	1373000.0	
4	4048000.0	-4916000.0	0.0	
5	0.0	454200000.0	0.0	

	inventory	accountsPayables	otherWorkingCapital	...	dividendsPaid	\
0	-4708000.0	-9278000.0	-19895000.0	...	-4.675000e+07	
1	-9420000.0	0.0	52651000.0	...	-1.393990e+08	
2	-1713000.0	15076000.0	4217000.0	...	0.000000e+00	
3	-3879000.0	6608000.0	-1521000.0	...	0.000000e+00	
4	-269000.0	-3091000.0	-32852000.0	...	-3.732200e+07	
5	0.0	0.0	0.0	...	-3.918600e+09	

	otherFinancingActivites	netCashUsedProvidedByFinancingActivities	\
0	4.673700e+08	-180526000	
1	1.847680e+09	-522833000	
2	-3.423000e+06	-65009000	
3	-4.637800e+07	-78455000	
4	-4.166000e+06	-343545000	
5	-8.315000e+08	-5595600000	

	effectOfForexChangesOnCash	netChangeInCash	cashAtEndOfPeriod	\
0	-231000.0	-5.959400e+07	70610000	
1	-316000.0	-2.066100e+07	148160000	
2	0.0	-3.269000e+06	92133000	
3	0.0	2.673200e+07	30624000	
4	0.0	-1.633520e+08	73568000	
5	-120100000.0	1.260100e+09	4709200000	

	cashAtBeginningOfPeriod	operatingCashFlow	capitalExpenditure	\
0	1.302040e+08	184675000	-6.855900e+07	
1	1.688210e+08	654206000	-9.417200e+07	
2	9.540200e+07	81391000	-1.965100e+07	
3	3.892000e+06	76173000	-7.355000e+06	
4	2.369200e+08	201122000	-4.100800e+07	
5	3.449100e+09	9141500000	-2.040000e+09	

	freeCashFlow
0	116116000
1	560034000
2	61740000
3	68818000
4	160114000
5	7101500000

[6 rows x 31 columns]