

Useful Bloomberg Functions for ECO431 Project

Chapter 5: Equities

1. Introducing the Stock Market

Note for Introducing the Stock Market

1. IPOs raise money and/or transfer ownership
2. Companies delist when they are bought, go bust, or balk at reporting requirements.
3. Equity indices come in all shapes and sizes.
4. Index performance is calculated from the performance of index members

1) INDU Index: Dow Jones Industrial Average



2) EQS: Equity Screening

1 <GO> for Results, 89 <GO> to see last unsaved screen

97) Formula 98) Actions 99) Backtest Equity Screening As Of 04/17/2019

My Recent Screens
You do not have any saved screens. Create a new screen on the right or click on the popular screens below to view examples.

Screening Criteria

| | | |
|---------------|-------------------------|-------------------------|
| 31) Exchanges | 32) Sectors | 33) Country of Domicile |
| 34) Indices | 35) Portfolios/Monitors | 45) More Categories |

Add Criteria

Selected Screening Criteria

| Selected Screening Criteria | Matches |
|--|---------|
| Security Universe | 1085473 |
| 51) Trading Status: Active | 349290 |
| 52) Security Attributes: Show Primary Security of company only | 71343 |
| 53) Add screening criteria | |

Popular Screens

- 21) Global Infrastructure
- 22) High CDS Spreads
- 23) Insider Buyers
- 24) Quality Screen
- 25) SZSE SEHK Northbou...
- 26) Value Screen
- 30) More Screens

See Results | WATC

3) IPO: Initial Public offerings

Search 95) Advanced Search 96) Actions 97) Settings Equity Offerings

IPO Addl Rights Announced Last 12 Months Deals 7,108 Currency USD 10:53:08

Click on any stage, region, or industry to filter by that criteria.

Overview Breakdown Advisers Deal List Time Series Calendar

| Offer Stage | | | Geographic Breakdown | | | Industry Breakdown | | |
|-----------------|---------|-------|----------------------------|---------|-----------|--------------------|---------|-----------|
| Stage | Value | Count | Region | Value | Perf. (%) | Industry | Value | Perf. (%) |
| Announced | 572.48B | 7,108 | Global | 572.48B | 4.3 ↑ | All | 572.48B | 4.3 ↑ |
| 11) Pending | 103.37B | 1,679 | 21) North America | 220.97B | 3.0 ↑ | 51) Financial | 170.04B | 3.4 ↑ |
| 12) Priced | 450.44B | 5,802 | 22) Asia | 218.83B | 5.4 ↑ | 52) Consumer Ncycl | 111.94B | 9.1 ↑ |
| 13) Trading | 445.43B | 5,187 | 23) Europe | 108.32B | 4.0 ↑ | 53) Communications | 66.26B | -7.6 ↓ |
| 14) Postponed | 7.23B | 35 | 24) Latin America & Car... | 15.80B | 22.6 ↑ | 54) Industrial | 57.71B | 13.3 ↑ |
| 15) Withdrn/Rej | 16.45B | 207 | 25) Middle East & Africa | 8.57B | 2.6 ↑ | 55) Consumer Cycl | 48.37B | -2.3 ↓ |
| 16) Upcoming | 5.83B | 38 | | | | 56) Technology | 35.85B | 12.3 ↑ |

Top Deals

| | Announced | Issuer Name | Sort by | Largest Size | Most Recent | Upcoming | | |
|------|------------|--------------------------------|-----------|--------------|---------------|------------|-----------|------------|
| | | | Size (M) | Type | S Offer Price | Last Close | Perf. (%) | Last Price |
| 101) | 11/12/2018 | Softbank Corp | 21,140.17 | IPO | T 1,500.00 | 1,343.00 | -11.1 | 1,343.00 |
| 102) | 07/23/2018 | China Tower Corp Ltd | 7,491.62 | IPO | T 1.26 | 2.10 | 69.0 | 2.10 |
| 103) | 05/03/2018 | Xiaomi Corp | 5,428.64 | IPO | T 17.00 | 11.82 | -30.8 | 11.82 |
| 104) | 09/17/2018 | Knorr-Bremse AG | 4,500.83 | IPO | T 80.00 | 97.30 | 21.6 | -- |
| 105) | 09/10/2018 | Yahoo Japan Corp | 4,343.47 | ADDL | T 354.00 | 280.00 | -20.3 | 280.00 |
| 106) | 09/17/2018 | Huaxia Bank Co Ltd | 4,251.05 | ADDL | T 11.40 | 8.70 | -23.5 | 8.70 |
| 107) | 09/04/2018 | Meituan Dianping | 4,221.79 | IPO | T 69.00 | 55.20 | -19.9 | 55.20 |
| 108) | 03/28/2019 | AstraZeneca PLC | 3,510.31 | ADDL | T 6,050.00 | 6,015.00 | -0.6 | -- |
| 109) | 06/04/2018 | Royal Bank of Scotland Group P | 3,337.24 | ADDL | T 271.00 | 262.50 | -3.1 | -- |
| 110) | 04/26/2018 | Haitong Securities Co Ltd | 3,154.67 | ADDL | PD -- | 14.45 | -- | 14.45 |

6) **MEMB**: Member Weightings

Index weight (%) = Market capitalization of one stock (\$B) / Total market capitalizations for all stocks in index (\$B)

| INDU Index | | Display | Export | Alert | Member Weightings | |
|------------------------------|---|------------|----------|----------|-------------------|--|
| Dow Jones Industrial Average | | 30 Members | | | Currency LCL | |
| Ticker | Name | Weight (%) | Shares | Price | | |
| 11) BA | UN Boeing Co/The | 9.754384 | 1.000000 | 380.3400 | | |
| 12) MMM | UN 3M Co | 5.579393 | 1.000000 | 217.5500 | | |
| 13) UNH | UN UnitedHealth Group Inc | 5.533742 | 1.000000 | 215.7700 | | |
| 14) GS | UN Goldman Sachs Group Inc/The | 5.288305 | 1.000000 | 206.2000 | | |
| 15) HD | UN Home Depot Inc/The | 5.281124 | 1.000000 | 205.9200 | | |
| 16) AAPL | UN Apple Inc | 5.162381 | 1.000000 | 201.2900 | | |
| 17) MCD | UN McDonald's Corp | 4.919252 | 1.000000 | 191.8100 | | |
| 18) V | UN Visa Inc | 4.124980 | 1.000000 | 160.8400 | | |
| 19) CAT | UN Caterpillar Inc | 3.677449 | 1.000000 | 143.3900 | | |
| 20) IBM | UN International Business Machines C... | 3.614872 | 1.000000 | 140.9500 | | |
| 21) JNJ | UN Johnson & Johnson | 3.533573 | 1.000000 | 137.7800 | | |
| 22) TRV | UN Travelers Cos Inc/The | 3.509721 | 1.000000 | 136.8500 | | |
| 23) UTX | UN United Technologies Corp | 3.462019 | 1.000000 | 134.9900 | | |
| 24) DIS | UN Walt Disney Co/The | 3.366101 | 1.000000 | 131.2500 | | |
| 25) CVX | UN Chevron Corp | 3.110149 | 1.000000 | 121.2700 | | |
| 26) MSFT | UN Microsoft Corp | 3.110149 | 1.000000 | 121.2700 | | |
| 27) JPM | UN JPMorgan Chase & Co | 2.879587 | 1.000000 | 112.2800 | | |
| 28) AXP | UN American Express Co | 2.858044 | 1.000000 | 111.4400 | | |
| 29) PG | UN Procter & Gamble Co/The | 2.714937 | 1.000000 | 105.8600 | | |
| 30) WMT | UN Walmart Inc | 2.638767 | 1.000000 | 102.8900 | | |

7) **SPX Index**: S&P 500 Index



8) **WEI**: World Equity Indices, to see index move contributions we can do clicking on S&P 500, selecting table view tab, and clicking all securities row.

| News | | Settings | | World Equity Indices | | | | | | |
|-------------------|-----|----------|------------|----------------------|---------|----------|---------|----------|---------|--|
| Standard | | Movers | Volatility | Ratios | Futures | Δ AVAT | 10D | %Chg YTD | USD | |
| | RMI | 2Day | Value | Net Chg | %Chg | Δ AVAT | Time | %Ytd | %YtdCur | |
| 1) Americas | | | | | | | | | | |
| 11) DOW JONES | | | 26439.84 | -12.82 | -0.05% | +56.20% | 11:00 | +13.34% | +13.34% | |
| 12) S&P 500 | | | 2906.78 d | -0.28 | -0.01% | +36.75% | 10:45 | +15.95% | +15.95% | |
| 13) NASDAQ | | | 7997.01 | -3.22 | -0.04% | +19.22% | 11:00 | +20.52% | +20.52% | |
| 14) S&P/TSX Comp | | | 16533.48 d | +31.28 | +0.19% | +24.44% | 10:40 | +15.43% | +18.15% | |
| 15) S&P/BMV IPC | | | 45189.81 d | +180.45 | +0.40% | -28.35% | 10:40 | +8.52% | +13.32% | |
| 16) IBOVESPA | | | 93476.12 d | -857.20 | -0.91% | +116.78% | 10:45 | +6.36% | +5.19% | |
| 2) EMEA | | | | | | | | | | |
| 21) Euro Stoxx 50 | | | 3482.49 d | +19.13 | +0.55% | +64.04% | 10:45 | +16.03% | +14.43% | |
| 22) FTSE 100 | | | 7474.70 d | +4.78 | +0.06% | -1.01% | 10:45 | +11.10% | +13.63% | |
| 23) CAC 40 | | | 5565.38 d | +36.71 | +0.66% | +48.24% | 10:45 | +17.64% | +16.02% | |
| 24) DAX | | | 12180.66 d | +79.34 | +0.66% | +51.05% | 10:45 | +15.36% | +13.77% | |
| 25) IBEX 35 | | | 9575.10 d | +77.80 | +0.82% | +102.25% | 10:45 | +12.12% | +10.58% | |
| 26) FTSE MIB | | | 22038.17 d | +119.24 | +0.54% | +31.95% | 10:45 | +20.27% | +18.61% | |
| 27) OMX STKH30 | | | 1658.12 | +10.60 | +0.64% | +13.70% | 11:00 | +17.70% | +12.87% | |
| 28) SWISS MKT | | | 9607.29 d | +27.44 | +0.29% | +73.78% | 10:45 | +13.97% | +10.97% | |
| 3) Asia/Pacific | | | | | | | | | | |
| 31) NIKKEI | | | 22277.97 d | +56.31 | +0.25% | +25.85% | 02:15 c | +11.31% | +9.02% | |
| 32) HANG SENG | | | 30124.68 d | -5.19 | -0.02% | +2.11% | 04:08 c | +16.56% | +16.37% | |
| 33) CSI 300 | | | 4087.24 d | +1.45 | +0.04% | -12.15% | 03:00 c | +35.76% | +39.62% | |
| 34) S&P/ASX 200 | | | 6256.38 | -21.07 | -0.34% | +7.76% | 03:05 c | +10.80% | +12.90% | |

2. The Nature of Equities

Note for the nature of Equities

1. Shareholders own a share of company earnings and assets.
2. Stocks are volatile because earnings are volatile.
3. Shareholders returns come from both shares going up and payments of dividends.
4. The range of shareholder outcomes is asymmetrical. Shares can go to zero or can multiply in value.

1) **LBUSTRUU Index**: Bloomberg Barclays US aggregate Total Return Value Unhedged USD

SPX Index: S&P 500 Index



2) Factors to consider when comparing returns

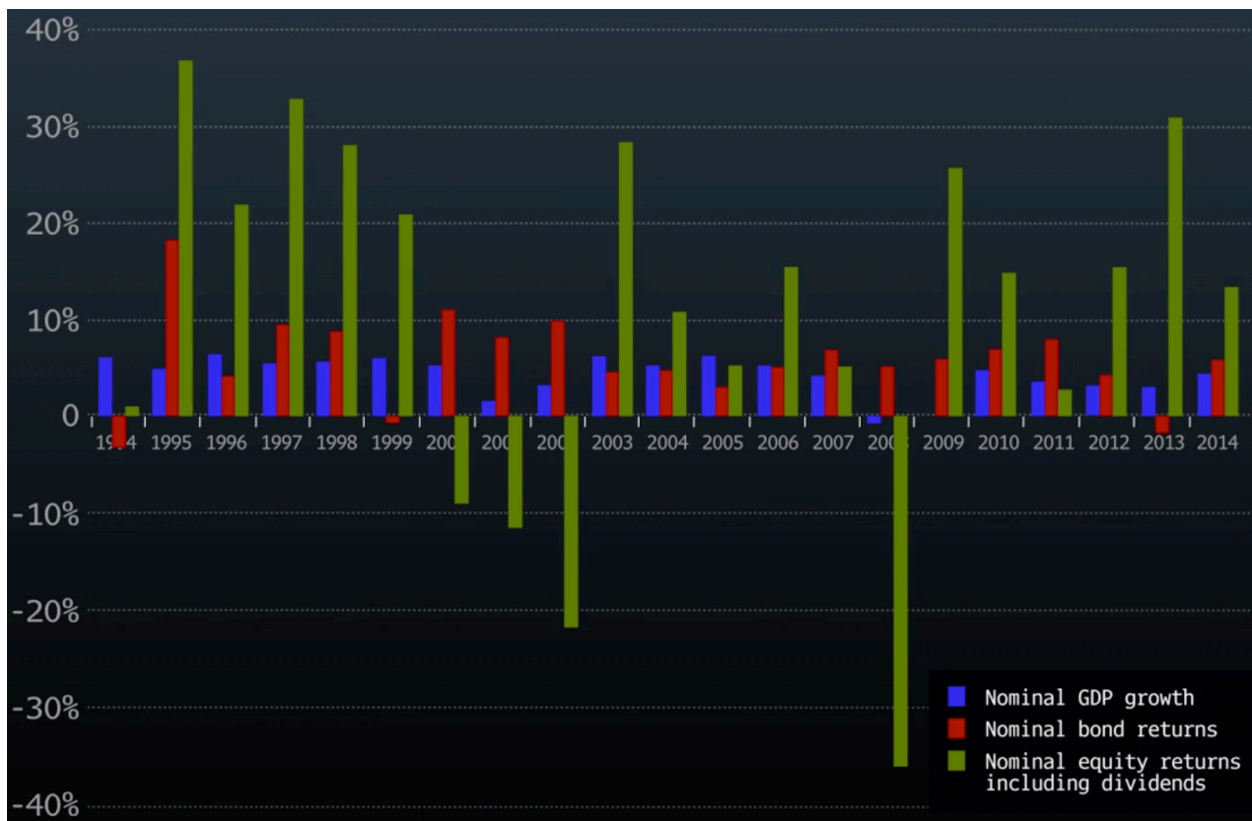
2-1) The role of dividends in equity returns

SPXT Index: S&P 500 Total Return Index (**Assuming dividends are reinvested**)

Taking dividend into account, equity did far better than bond. More risk and more rewards.

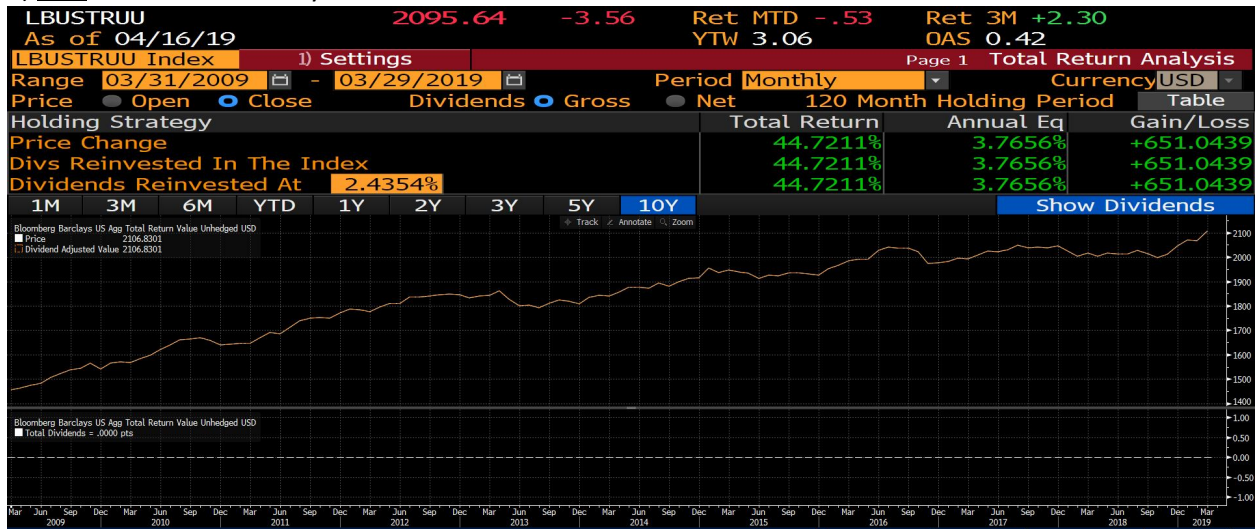


2-2) The nominal nature of stock and bond returns



(Source: BMC)

3) **TRA**: Total Return Analysis



4) **NKY Index**: Nikkei 225 Japanese Stock Index



5) **MRR**: Member Ranked Returns

