Group Selection

Priced as of December 11, 2018

Note: Group tickers incorporate hyperlinks to decile charts, and then a link to our Toolkit of the group members.

See back pages for user guide and disclaimer.

Sources for all charts: BMO Capital Markets
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**Sector Relative Strength Profiles***

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<tbody>
<tr>
<td>Energy</td>
<td>29% / 40% / 43%</td>
<td>/ / /</td>
<td>-25% / -28% / -24%</td>
</tr>
<tr>
<td>Materials</td>
<td>22% / 27% / 33%</td>
<td>/ / /</td>
<td>-4% / -6% / -1%</td>
</tr>
<tr>
<td>Industrials</td>
<td>27% / 37% / 41%</td>
<td>/ / /</td>
<td>-10% / -13% / -5%</td>
</tr>
<tr>
<td>CMR Disc</td>
<td>25% / 34% / 36%</td>
<td>/ / /</td>
<td>-4% / -5% / 2%</td>
</tr>
<tr>
<td>CMR Stap</td>
<td>32% / 44% / 51%</td>
<td>/ / /</td>
<td>16% / 17% / 25%</td>
</tr>
<tr>
<td>Hlth Care</td>
<td>46% / 55% / 56%</td>
<td>/ / /</td>
<td>-1% / -3% / 2%</td>
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<tr>
<td>Financials</td>
<td>25% / 38% / 46%</td>
<td>/ / /</td>
<td>-6% / -9% / -2%</td>
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<tr>
<td>Info Tech</td>
<td>35% / 45% / 49%</td>
<td>/ / /</td>
<td>2% / 0% / 4%</td>
</tr>
<tr>
<td>Comm Srv</td>
<td>32% / 43% / 49%</td>
<td>/ / /</td>
<td>15% / 13% / 19%</td>
</tr>
<tr>
<td>Utilities</td>
<td>41% / 55% / 60%</td>
<td>/ / /</td>
<td>45% / 45% / 54%</td>
</tr>
<tr>
<td>Real Estate</td>
<td>38% / 53% / 58%</td>
<td>/ / /</td>
<td>35% / 33% / 39%</td>
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*Three terms define the relative performance Z-Score rating versus the markets (US = S&P 500; GBL = MSCI AC World; CDA = S&P/TSX Composite)
(a) % Outperforming - what percentage of sector members is outperforming the market,
(b) Reward/Risk - how consistent is the median relative strength performance of the sector membership ( / ranking),
(c) Trend Psn - what is the net percentage of the sector members which are breaking above/below relative strength channels.
The strength z-Score is weighted 60% towards the trend parameters (% outperforming and reward/risk ratios) and 40% towards the trend positions (reversals of trends). Gridlines are placed at 0.5 increments.

See Help Pages for further details
Strength Changes Last Session
December 11, 2018

Momentum

Strength

OG StTr
70 stocks; $589bn

Int O&G
31 stocks; $173bn

OG RfMkt
39 stocks; $453bn

OG Drill
13 stocks; $25bn

OG Equip
57 stocks; $192bn

OG E&P
105 stocks; $722bn

Coal&Uran
21 stocks; $70bn

Energy

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Mark Steele (416) 359-4641
Momentum

Strength

December 11, 2018

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Health Care

HCSupplis
22 stocks; $191bn

HCDistrib
17 stocks; $112bn

HCEquip
74 stocks; $105bn

Pharma
111 stocks; $260bn

Biotech
123 stocks; $990bn

HCFacility
31 stocks; $154bn

MngHCare
11 stocks; $476bn

HCService
28 stocks; $272bn

HCareTec
17 stocks; $65bn

LfSciSrv
30 stocks; $345bn
Telecommunication Services

December 11, 2018

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Telecommunication Services

Momentum

Strength

- Cabl&Sat
  23 stocks; $443bn
- WlsTelSrv
  43 stocks; $830bn
- Mov&Ent
  27 stocks; $454bn
- IntgTelSrv
  27 stocks; $1292bn
- Publishing
  13 stocks; $45bn
- IntMeSer
  40 stocks; $1292bn
- Advert
  17 stocks; $102bn
- MOV
  27 stocks; $454bn
- Broadcasting
  28 stocks; $89bn
- AltCar
  10 stocks; $47bn
- IntHmEnt
  18 stocks; $203bn
- AltCar
  10 stocks; $47bn
- Broadcast
  22 stocks; $89bn
Utilities

December 11, 2018

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Momentum

Strength

GasUtil
37 stocks, $238bn

ElecUtil
87 stocks, $1174bn

IPPTrad
23 stocks, $111bn

MultiUtil
35 stocks, $451bn

RenewElec
20 stocks, $52bn

WaterUtil
22 stocks, $84bn

Utilities

GasUtil

ElecUtil

IPPTrad

MultiUtil

RenewElec

WaterUtil
User Guide 1 - Definitions & Dataset

Group Strength
Our Global Group analysis is based on bottom-up equity relative strength analysis as opposed to industry group (index) relative strength analysis.

Strength Decile Defined By
1. What percentage of a groups members are outperforming
2. How consistent that outperformance is
3. How the are members positioned (above/below) vs. their trend channels.

Momentum Decile
Rate of change of strength (change in 5-day moving average)

The Underlying Equity Relative Strength Analysis
Each day, for every equity we cover, our relative strength system assesses the best fit trend from a spectrum which covers a minimum trend duration of six months, and a maximum of 4-years. The "best fit" is the trend which maximizes duration, and minimizes deviation from the trend. Our process is flexible, thorough, and because it is run daily, timely.

The Dataset:
- Over 5,700 securities.
- Groups have a:
  ...Median depth of 28
  ...Average depth of 36

Heat Map Colour and Symbol Guide
Strength is highlighted by the background of the group title
- Bright green = best (1st decile) transitions towards...
- Bright red = worst (10th decile)
Momentum is highlighted in the border of the group title
- Colour map for momentum is the same as strength
Symbols to the right of the group ticker show where a group moved from in the previous session. Below the group symbol we highlight the number and total market capitalization of the members in a group. Clicking on the group, which brings up the chart via a hyperlink, will help to clarify the moves.
Our Goals:
- To buy outperforming stocks in favoured groups
- To avoid underperforming stocks in unfavoured groups
- To be alerted of and act on the changes

#1 Rule of Momentum: You can use it only if it exists

- In stable/trending markets, one can buy stocks with high strength and momentum and hold them as long as momentum does not turn negative (trend following).

- In very rotational markets (e.g., where credit, currency, commodity conditions are choppy/changing):
  - Buying high strength and high momentum may be dangerous (buying yesterday's winners).
  - One is better off buying stocks with moderate strength and high momentum (bottom fishing).
User Guide 3 - Buy/Hold/Sell

Buy
- Groups with high strength and high positive momentum (top left) - “In Favour”
- Groups with moderate strength and high positive momentum - “Transitioning to Positive”
- Groups with mediocre strength and high positive momentum - “Gaining Favour”

Buy/Hold
- Groups with high strength and neutral momentum (middle left) - “Maintaining Favour”

Sell
- Groups with low strength and high negative momentum (bottom right) - “Out of Favour”
- Groups with moderately negative strength and high negative momentum - “Transitioning to Negative”
- Groups with mediocre strength and high negative momentum - “Losing Favour”
User Guide 4 - Hyperlinks To Decile Charts & Stock Selection

- Each group is hyperlinked to a chart that shows the relative strength decile as a function of time, and the moving average (momentum).

- Each chart is hyperlinked to the group membership, in our RS Filter Toolkit.
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ETFs designed to track an index or asset may experience a discrepancy between the ETF’s performance and the performance of its target index known as tracking error. A variety of factors can create a performance gap between ETF and its target index such as the impact of transaction fees and expenses incurred by the ETF, changes in composition of the underlying index/assets, the ETF portfolio manager’s replication strategy and sampling techniques, and the timing of purchases and redemptions of ETF’s shares.

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<td>Buy</td>
<td>Outperform</td>
<td>43.2%</td>
<td>22.8%</td>
<td>57.4%</td>
<td>44.1%</td>
<td>57.0%</td>
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<tr>
<td>Hold</td>
<td>Market Perform</td>
<td>53.2%</td>
<td>13.1%</td>
<td>40.6%</td>
<td>52.6%</td>
<td>41.1%</td>
<td>41.6%</td>
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<tr>
<td>Sell</td>
<td>Underperform</td>
<td>3.7%</td>
<td>9.5%</td>
<td>2.0%</td>
<td>3.2%</td>
<td>1.6%</td>
<td>5.5%</td>
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* Reflects rating distribution of all companies covered by BMO Capital Markets Corp. equity research analysts.
** Reflects rating distribution of all companies from which BMO Capital Markets Corp. has received compensation for Investment Banking services as percentage within ratings category.
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Und = Underperform - Forecast to underperform the analyst’s coverage universe on a total return basis;
(S) = Speculative investment;
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(January 2010 - April 2013)

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