Group Selection

Priced as of December 20, 2017

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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<tr>
<td>Energy</td>
<td>43% / 46% / 44%</td>
<td>3% / 7% / 14%</td>
<td></td>
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<tr>
<td>Materials</td>
<td>55% / 52% / 53%</td>
<td>-1% / 3% / 12%</td>
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<tr>
<td>Industrials</td>
<td>51% / 50% / 51%</td>
<td>0% / 5% / 11%</td>
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<tr>
<td>CMR Disc</td>
<td>48% / 47% / 45%</td>
<td>8% / 12% / 18%</td>
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<tr>
<td>CMR Stap</td>
<td>34% / 32% / 30%</td>
<td>4% / 10% / 15%</td>
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<tr>
<td>Hlth Care</td>
<td>44% / 43% / 42%</td>
<td>-3% / 2% / 7%</td>
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<tr>
<td>Financials</td>
<td>43% / 41% / 38%</td>
<td>-3% / 2% / 10%</td>
<td></td>
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<tr>
<td>Info Tech</td>
<td>56% / 54% / 56%</td>
<td>-8% / -2% / 3%</td>
<td></td>
</tr>
<tr>
<td>Telecom</td>
<td>32% / 32% / 31%</td>
<td>-8% / -5% / 2%</td>
<td></td>
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<tr>
<td>Utilities</td>
<td>43% / 39% / 34%</td>
<td>-37% / -27% / -10%</td>
<td></td>
</tr>
<tr>
<td>Real Estate</td>
<td>40% / 39% / 37%</td>
<td>-23% / -15% / 1%</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 (\(\uparrow\) / \(\downarrow\) 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.
December 20, 2017

**Consumer Staples**

- **Momentum**
  - Brewers: 14 stocks, $517bn
  - DrugRetail: 8 stocks, $173bn
  - PersPrdct: 2 stocks, $486bn
  - FdDistri: 12 stocks, $63bn
- **Strength**
  - SprCntrs: 14 stocks, $524bn
  - PersPrdct: 2 stocks, $486bn
  - FdDistri: 12 stocks, $63bn
  - SoftDrinks: 17 stocks, $520bn
  - Dist&Vnt: 12 stocks, $367bn
  - PkgFdMt: 120 stocks, $1,277bn
  - HhldPrdct: 18 stocks, $590bn
  - Tobacco: 13 stocks, $686bn
  - FdRetail: 28 stocks, $558bn
  - AgriProd: 24 stocks, $104bn
Utilities

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Utilities

- RenewElec
  - 22 stocks
  - $57bn

- WaterUtil
  - 24 stocks
  - $88bn

- IPPTrad
  - 25 stocks
  - $112bn

- MultiUtil
  - 35 stocks
  - $470bn

- GasUtil
  - 33 stocks
  - $308bn

- ElecUtil
  - 67 stocks
  - $1153bn
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<tr>
<th>Sector</th>
<th>Count</th>
<th>Value</th>
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<tr>
<td>RetailREIT</td>
<td>50</td>
<td>$328bn</td>
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<tr>
<td>HotelREIT</td>
<td>18</td>
<td>$150bn</td>
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<tr>
<td>OfficeREIT</td>
<td>22</td>
<td>$155bn</td>
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<td>HCareREIT</td>
<td>18</td>
<td>$99bn</td>
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<td>IndusREIT</td>
<td>20</td>
<td>$102bn</td>
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<tr>
<td>ResidREIT</td>
<td>26</td>
<td>$162bn</td>
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<tr>
<td>DiversREIT</td>
<td>42</td>
<td>$202bn</td>
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<tr>
<td>SpecREIT</td>
<td>37</td>
<td>$328bn</td>
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<tr>
<td>REstOpCo</td>
<td>32</td>
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<td>REstDvAct</td>
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<td>REstSrv</td>
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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 group's members are outperforming
2. How consistent that outperformance is
3. How the members are 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.
**User Guide 2 - Momentum**

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).
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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<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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<td>Hold</td>
<td>Market Perform</td>
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<td>13.1%</td>
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<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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***** Reflects rating distribution of all companies from which BMO Capital Markets has received compensation for Investment Banking services as percentage of Investment Banking clients.
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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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