Group Selection
Priced as of March 5, 2019

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 View

Sector Relative Strength Profiles*

<table>
<thead>
<tr>
<th></th>
<th></th>
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<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Energy</td>
<td>26% / 27% / 27%</td>
<td>/ / /</td>
<td>3% / 2% / 1%</td>
</tr>
<tr>
<td>Materials</td>
<td>38% / 38% / 37%</td>
<td>/ / /</td>
<td>5% / 5% / 5%</td>
</tr>
<tr>
<td>Industrials</td>
<td>37% / 40% / 39%</td>
<td>/ / /</td>
<td>7% / 5% / 3%</td>
</tr>
<tr>
<td>CMR Disc</td>
<td>39% / 38% / 38%</td>
<td>/ / /</td>
<td>8% / 8% / 8%</td>
</tr>
<tr>
<td>CMR Stap</td>
<td>52% / 56% / 54%</td>
<td>/ / /</td>
<td>-8% / -12% / -10%</td>
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<tr>
<td>Health Care</td>
<td>44% / 46% / 45%</td>
<td>/ / /</td>
<td>3% / 3% / 0%</td>
</tr>
<tr>
<td>Financials</td>
<td>40% / 43% / 44%</td>
<td>/ / /</td>
<td>6% / 2% / 3%</td>
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<tr>
<td>Info Tech</td>
<td>49% / 49% / 49%</td>
<td>/ / /</td>
<td>13% / 13% / 9%</td>
</tr>
<tr>
<td>Comm Srv</td>
<td>47% / 49% / 50%</td>
<td>/ / /</td>
<td>-3% / -3% / 0%</td>
</tr>
<tr>
<td>Utilities</td>
<td>72% / 76% / 77%</td>
<td>/ / /</td>
<td>-10% / -14% / -14%</td>
</tr>
<tr>
<td>Real Estate</td>
<td>66% / 68% / 66%</td>
<td>/ / /</td>
<td>-1% / -3% / -3%</td>
</tr>
</tbody>
</table>

*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
March 5, 2019

Materials

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Strength

Momentum
<table>
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<tr>
<th>Sector</th>
<th>Stocks</th>
<th>Market Cap ($Bn)</th>
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<tbody>
<tr>
<td>ComEquip</td>
<td>68</td>
<td>46</td>
</tr>
<tr>
<td>ApplicSwr</td>
<td>12</td>
<td>94</td>
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<td>1100</td>
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<tr>
<td>SemiEqp</td>
<td>42</td>
<td>268</td>
</tr>
<tr>
<td>InetSrv&amp;ln</td>
<td>12</td>
<td>94</td>
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<tr>
<td>DataProc</td>
<td>46</td>
<td>1100</td>
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<tr>
<td>Semi</td>
<td>73</td>
<td>1297</td>
</tr>
<tr>
<td>ElecInstr</td>
<td>43</td>
<td>259</td>
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<tr>
<td>ApplicSwr</td>
<td>93</td>
<td>986</td>
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<tr>
<td>SystmSwr</td>
<td>36</td>
<td>1295</td>
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<td>48</td>
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<td>ElecComp</td>
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<td>275</td>
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<tr>
<td>EMS</td>
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<td>419</td>
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<tr>
<td>DataProc</td>
<td>46</td>
<td>1100</td>
</tr>
<tr>
<td>TechDist</td>
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<td>48</td>
</tr>
<tr>
<td>ElecComp</td>
<td>37</td>
<td>275</td>
</tr>
<tr>
<td>EMS</td>
<td>10</td>
<td>419</td>
</tr>
<tr>
<td>Hardware &amp; S&amp;P</td>
<td>47</td>
<td>518</td>
</tr>
<tr>
<td>Information Technology</td>
<td>89</td>
<td>928</td>
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</table>
Telecommunication Services

Strength

Momentum

Cabl&Sat
28 stocks; $96bn

Mov&Ent
20 stocks; $379bn

IntMeSer
11 stocks; $146bn

Broadcast
28 stocks; $96bn

IntHmEnt
18 stocks; $204bn

Publishing
13 stocks; $47bn

AltCar
10 stocks; $39bn

Advert
17 stocks; $105bn

WlsTelSrv
42 stocks; $853bn

IntgTelSrv
58 stocks; $1266bn

March 5, 2019

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Telecommunication Services

28 stocks; $96bn

18 stocks; $204bn

13 stocks; $47bn

10 stocks; $39bn

17 stocks; $105bn

42 stocks; $853bn

58 stocks; $1266bn

BMO Capital Markets

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Momentum

Utilities

March 5, 2019

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IPPTrad → 23 stocks; $118bn

MultiUtil → 34 stocks; $473bn

RenewElec → 20 stocks; $57bn

ElecUtil → 66 stocks; $1218bn

WaterUtil → 22 stocks; $94bn

GasUtil → 35 stocks; $251bn
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 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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</tr>
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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>
<td>52.8%</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>
</tr>
</tbody>
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* Reflects rating distribution of all companies covered by BMO Capital Markets Corp. equity research analysts.
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(S) = Speculative investment;
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