Group Selection
Priced as of November 4, 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 Relative Strength Profiles*

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<tr>
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<tbody>
<tr>
<td>Energy</td>
<td>17% / 20% / 19%</td>
<td>/</td>
<td>14% / 11% / 22%</td>
</tr>
<tr>
<td>Materials</td>
<td>36% / 37% / 35%</td>
<td>/</td>
<td>15% / 11% / 22%</td>
</tr>
<tr>
<td>Industrials</td>
<td>39% / 44% / 42%</td>
<td>/</td>
<td>18% / 15% / 28%</td>
</tr>
<tr>
<td>CMR Disc</td>
<td>37% / 41% / 40%</td>
<td>/</td>
<td>9% / 7% / 16%</td>
</tr>
<tr>
<td>CMR Stap</td>
<td>42% / 45% / 43%</td>
<td>/</td>
<td>-6% / -9% / -1%</td>
</tr>
<tr>
<td>Health Care</td>
<td>34% / 38% / 38%</td>
<td>/</td>
<td>6% / 1% / 12%</td>
</tr>
<tr>
<td>Financials</td>
<td>34% / 40% / 39%</td>
<td>/</td>
<td>10% / 5% / 21%</td>
</tr>
<tr>
<td>Info Tech</td>
<td>47% / 52% / 51%</td>
<td>/</td>
<td>6% / 4% / 11%</td>
</tr>
<tr>
<td>Comm Srv</td>
<td>34% / 39% / 38%</td>
<td>/</td>
<td>-2% / -2% / 6%</td>
</tr>
<tr>
<td>Utilities</td>
<td>51% / 57% / 55%</td>
<td>/</td>
<td>-19% / -23% / -9%</td>
</tr>
<tr>
<td>Real Estate</td>
<td>53% / 58% / 58%</td>
<td>/</td>
<td>4% / -1% / 12%</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
Momentum

Strength

November 4, 2019

Mark Steele (416) 359-4641

Consumer Discretionary

- HomeApl
  - HhldApl: 18 stocks, $169bn
  - HomeImp: 8 stocks, $35bn

- Footwear
  - 14 stocks, $185bn

- HmImpRtl
  - 7 stocks, $35bn

- AutoMfg
  - 39 stocks, $100bn

- HomeFurn
  - 8 stocks, $35bn

- AutoParts
  - 54 stocks, $321bn

- MotcyMfg
  - 6 stocks, $43bn

- Cas&Gam
  - 37 stocks, $308bn

- HmldApl
  - 16 stocks, $133bn

- CmrElec
  - 10 stocks, $147bn

- LeisPrd
  - 21 stocks, $91bn

- HomeBld
  - 39 stocks, $175bn

- SpCmSrv
  - 9 stocks, $27bn

- Tire&Rub
  - 10 stocks, $23bn

- Rstaumt
  - 45 stocks, $50bn

- Htl&Rsr
  - 24 stocks, $250bn

- Educat
  - 17 stocks, $391bn

- Apf&Gds
  - 44 stocks, $849bn

- GMrchStrs
  - 14 stocks, $223bn

- HmFrmsh
  - 10 stocks, $36bn

- SpecStors
  - 22 stocks, $99bn

- Hswre
  - 3 stocks, $19bn

- LeisFcil
  - 8 stocks, $91bn

- ApprRtl
  - 28 stocks, $369bn

- InetDmRtl
  - 21 stocks, $185bn

- DeptStrs
  - 17 stocks, $390bn
### Utilities

<table>
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<tr>
<th>Sector</th>
<th>Number of Stocks</th>
<th>Market Value</th>
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<tbody>
<tr>
<td>RenewElec</td>
<td>25</td>
<td>$144bn</td>
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<tr>
<td>MultiUtil</td>
<td>34</td>
<td>$547bn</td>
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<tr>
<td>IPPTrad</td>
<td>25</td>
<td>$130bn</td>
</tr>
<tr>
<td>ElecUtil</td>
<td>27</td>
<td>$1305bn</td>
</tr>
<tr>
<td>WaterUtil</td>
<td>25</td>
<td>$103bn</td>
</tr>
<tr>
<td>GasUtil</td>
<td>25</td>
<td>$284bn</td>
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</table>

*November 4, 2019*

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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 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”
- 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>
<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>
</tr>
<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;
Spd = Suspended - Coverage and rating suspended until coverage is reinstated;
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