Group Selection

Priced as of May 7, 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*

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<tr>
<td>Energy</td>
<td>27% / 26% / 23%</td>
<td>-9% / -9% / -7%</td>
<td></td>
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<tr>
<td>Materials</td>
<td>40% / 40% / 38%</td>
<td>-11% / -9% / -7%</td>
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<tr>
<td>Industrials</td>
<td>45% / 45% / 43%</td>
<td>1% / 4% / 5%</td>
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<tr>
<td>CMR Disc</td>
<td>46% / 45% / 42%</td>
<td>0% / 1% / 3%</td>
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<tr>
<td>CMR Stap</td>
<td>43% / 45% / 44%</td>
<td>1% / 1% / 6%</td>
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<tr>
<td>Hlth Care</td>
<td>43% / 43% / 39%</td>
<td>2% / 3% / 5%</td>
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<tr>
<td>Financials</td>
<td>37% / 37% / 37%</td>
<td>5% / 8% / 10%</td>
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<tr>
<td>Info Tech</td>
<td>69% / 69% / 64%</td>
<td>-3% / 0% / 4%</td>
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<tr>
<td>Comm Srv</td>
<td>40% / 43% / 43%</td>
<td>1% / 2% / 4%</td>
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<tr>
<td>Utilities</td>
<td>55% / 55% / 61%</td>
<td>-7% / -7% / -8%</td>
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<tr>
<td>Real Estate</td>
<td>62% / 63% / 60%</td>
<td>-5% / -3% / -2%</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

**Momentum**

- HCEquip
- IntMeSer
- HCSuppls
- Brewers
- AltCar
- HotelREIT
- LeisPrd
- FrstPrd
- DiversREIT
- LeisFcil
- SpecREIT

**Strength**

- HCEquip
- IntMeSer
- HCSuppls
- Brewers
- AltCar
- HotelREIT
- LeisPrd
- FrstPrd
- DiversREIT
- LeisFcil
- SpecREIT

- SpecialFin
- PersPrdct
- ResiREIT
- Footwear
- RetailREIT
- HLstTelSrv

- ElecInstr
- IndusGas
- AutoRtl
- LfSciSrv
- HCDistrib
- Pharma

- EnviroServ
- Dist&Vnt
- HhldApl
- RESDev
- ElecCmpEq

- ApplicSwr
- RESrsv
- REstDvAct
- Educat

- Semi
- AutoRtl
- EMS
- LfSciSrv
- REstOpCo
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May 7, 2019

OG StTr  68 stocks; $626bn
OG RfMkt  35 stocks; $467bn
Int O&G  32 stocks; $1749bn
OG Drill  10 stocks; $22bn
OG Equip  58 stocks; $201bn
OG E&P  98 stocks; $740bn
Coal&Uran  21 stocks; $83bn
May 7, 2019

Materials

Momentum

Strength

CstrMat
33 stocks;$247bn

IndusGas
7 stocks;$209bn

Gold
64 stocks;$190bn

Copper
14 stocks;$83bn

PaperPkg
17 stocks;$111bn

MtGlsCnt
13 stocks;$67bn

DvrsMng
51 stocks;$387bn

FrstPrd
11 stocks;$21bn

SpecChm
72 stocks;$641bn

Silver
10 stocks;$18bn

Steel
51 stocks;$405bn

ComdChm
66 stocks;$394bn

Alumin
10 stocks;$13bn

PapProd
24 stocks;$394bn

DiversChm
31 stocks;$189bn

PrecMet
15 stocks;$45bn

Fert&Ag
29 stocks;$141bn
Consumer Staples

May 7, 2019
Mark Steele (416) 359-4641

Brewers 14 stocks; $432bn

PkgFdMt 127 stocks; $1405bn

FdDistri 11 stocks; $62bn

SoftDrns 19 stocks; $565bn

PersPrdct 35 stocks; $330bn

Dist&Vnt 20 stocks; $355bn

SprCntrs 15 stocks; $526bn

HhldPrdct 18 stocks; $610bn

AgriProd 28 stocks; $515bn

FdRetail 35 stocks; $352bn

DrugRetail 5 stocks; $59bn

Tobacco 13 stocks; $509bn

AgriProd 28 stocks; $116bn

Tobacco 13 stocks; $509bn

HhldPrdct 18 stocks; $610bn

SprCntrs 15 stocks; $526bn

Dist&Vnt 20 stocks; $355bn

PersPrdct 35 stocks; $330bn

SoftDrns 19 stocks; $565bn

FdDistri 11 stocks; $62bn

Brewers 14 stocks; $432bn
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 consistant 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).
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>
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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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Mkt = Market Perform - Forecast to perform roughly in line with the analyst’s coverage universe on a total return basis;
Und = Underperform - Forecast to underperform the analyst’s coverage universe on a total return basis;
(S) = Speculative investment;
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