

Quintile Analysis Engine Report V3.2

QAE Guide / Contact

By Simon Hobbs



System Fundamentals

www.system-fundamentals.com

Minimal guide provided below
→ See 'QAE Guide' for more details



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The **QAE Product** transforms 2 sets of cardinal daily metrics into ordinal **Q-Bands**, ranking and counting them across **Fixed Timeframes** using **Reverse Chronology**. The dataset is a closed 365/366-day historical envelope anchored to **Newest Date**. QAE processes 2 metric sets through 2 independent lenses: **M1 Baseline (BL)** and **M2 Reaction (RL)**. QAE is strictly historical making yesterday the newest allowable date.

Metric 1 - M1 → Baseline Lens **○_BL =**

Metric 2 - M2 → Reaction Lens **△_RL =**

Ranked by absolute state within the Complete One-Year Range

Reshaped to Reaction Intensity from Prior State then Ranked abs 1yr range

All containers show identification badges for timeframes plus lens type with metric identity

Border colors indicate timeframes

1 Month

3 Months

6 Months

1 Year

Distant 6M

Reserved space: Automated system status and integration details

QAE - Quintile Analysis Engine

LEADING EDGE PAGE

* Stock Market Skin *

REPORT TITLE: nVidia / NVDA / 2019 / NY / Metric 1 Volume / Metric 2 Close Price USD / EDT UTC -4hrs

Newest: Dec 31, 2019

Oldest: Jan 1, 2019

Newest Active Date: Dec 31, 2019

UTC-04:00 Atlantic Canada / Venezuela

QAE Timestamp: 2026-06-21 / 18:04:29



NVIDIA

○_BL_M1 Baseline

1 Year

Newest Active Dec 31, 2019

Volume

231,211,318

Weak

Consecutive Days

(no direction) Weak = 5

Lowest Volume

Dec 24, 2019

138,863,879

Highest Volume

Jan 28, 2019

2,511,526,695

Baseline Lens Q-Band M1

Volume Cut-Offs

Weak | Up To - 295,831,565.00

Moderate | Up To - 362,922,860.00

Median | Up To - 449,024,396.00

Strong | Up To - 583,642,194.00

Peak | Up To - 2,511,526,695.00

△_RL_M2 Reaction

1 Year

Newest Active Dec 31, 2019

Close Price USD % Change

1.205%

= 5.88

Median ▲

Consecutive Days

Median ▲ = 1

(no direction) Median = 1

Lowest % Change

May 3, 2019

0.000%

Highest % Change

Jan 28, 2019

13.750%

Reaction Lens Q-Band M2

Close Price % Change Cut-Offs

Weak | Up To - 0.4602%

Moderate | Up To - 1.0593%

Median | Up To - 1.7798%

Strong | Up To - 2.9147%

Peak | Up To - 13.7500%

○_BL_M1 Baseline

&

△_RL_M2 Reaction

Newest Historical Activity

1 Year

Local History Q-Bands: M1 = Volume | M2 = Close Price % Change

Peak - Volume M1

Peak - Price % Change M2

Date	○_BL_M1	Position	△_RL_M2
Dec 31, 2019	Weak	First Active Date	Median ▲
Dec 30, 2019	Weak	2nd Active Date	Strong ▼
Dec 27, 2019	Weak	3rd	Moderate ▼
Dec 26, 2019	Weak	4th	Weak ▲
Dec 24, 2019	Weak	5th	Weak ▼
Dec 23, 2019	Moderate	6th	Weak ▼
Dec 20, 2019	Peak	7th	Median ▲
Dec 19, 2019	Strong	8th	Strong ▲
Dec 18, 2019	Moderate	9th	Moderate ▲
Dec 17, 2019	Moderate	10th	Median ▲

Peak List	Date_○_BL...
1	Dec 20, 2019
2	Nov 15, 2019
3	Oct 15, 2019
4	Sep 5, 2019
5	Aug 19, 2019
6	Aug 16, 2019
7	Aug 5, 2019
8	Jul 11, 2019
9	Jul 1, 2019
10	Jun 26, 2019

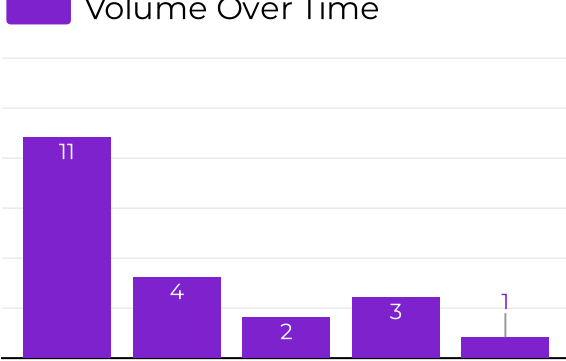
Peak List	Date_△_RL...
1	Dec 12, 2019
2	Dec 2, 2019
3	Nov 25, 2019
4	Nov 18, 2019
5	Nov 4, 2019
6	Oct 25, 2019
7	Oct 21, 2019
8	Oct 15, 2019
9	Oct 8, 2019
10	Oct 3, 2019

Q-Band Counts 5 Timeframes: M1 = Volume | M2 = Close Price % Change plus Directional Polarity Bias

○_BL_M1 Baseline

1 Month

Volume Over Time



△_RL_M2 Reaction

1 Month

Close USD % Change Over Time

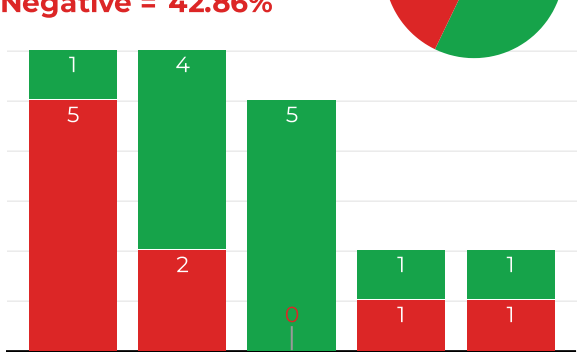


△_RL_M2 Direction ▲ ▼

1 Month

Positive = 57.14%

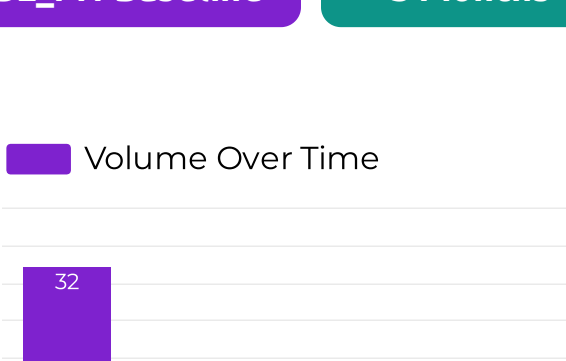
Negative = 42.86%



○_BL_M1 Baseline

3 Months

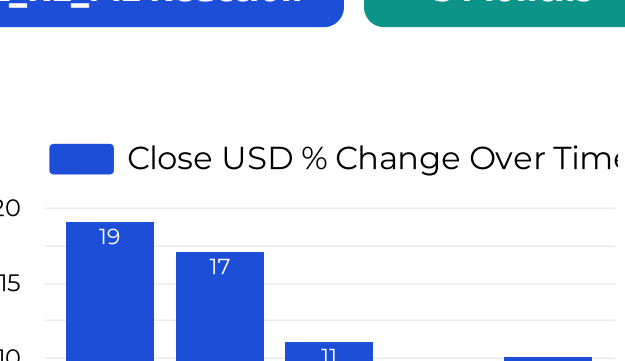
Volume Over Time



△_RL_M2 Reaction

3 Months

Close USD % Change Over Time

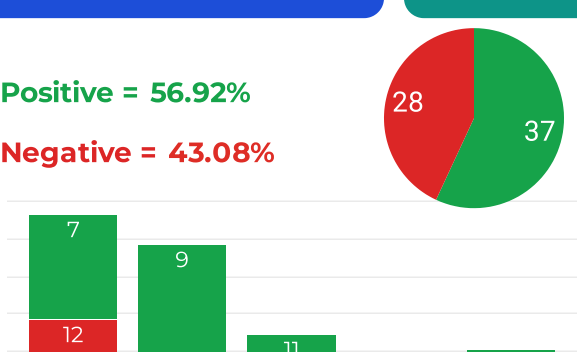


△_RL_M2 Direction ▲ ▼

3 Months

Positive = 56.92%

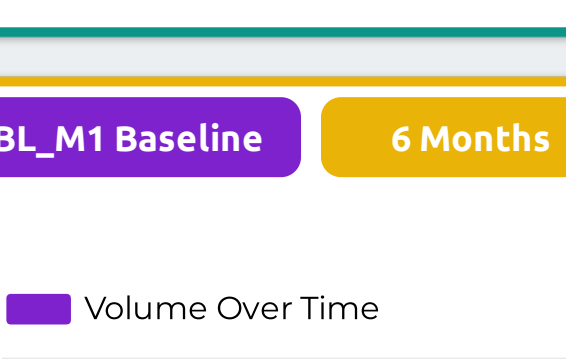
Negative = 43.08%



○_BL_M1 Baseline

6 Months

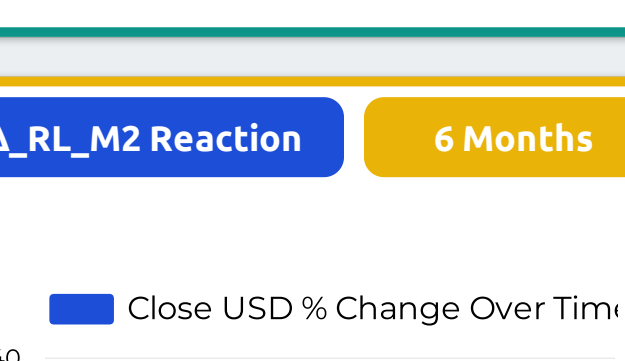
Volume Over Time



△_RL_M2 Reaction

6 Months

Close USD % Change Over Time

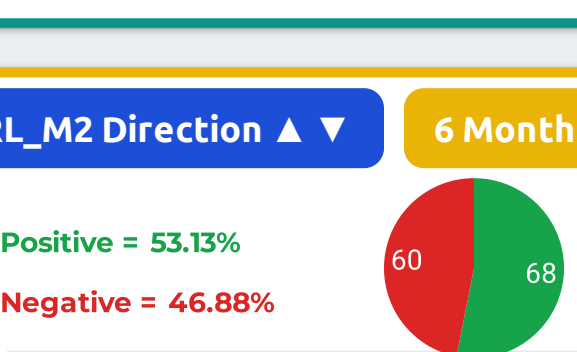


△_RL_M2 Direction ▲ ▼

6 Months

Positive = 53.13%

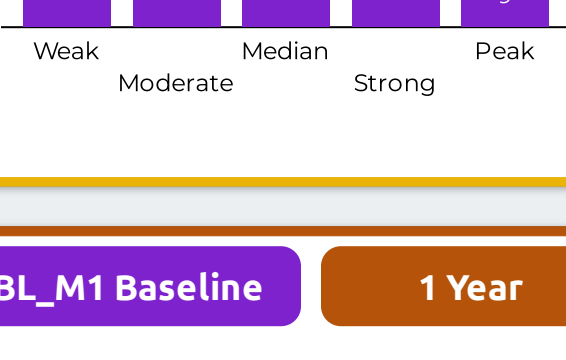
Negative = 46.88%



○_BL_M1 Baseline

1 Year

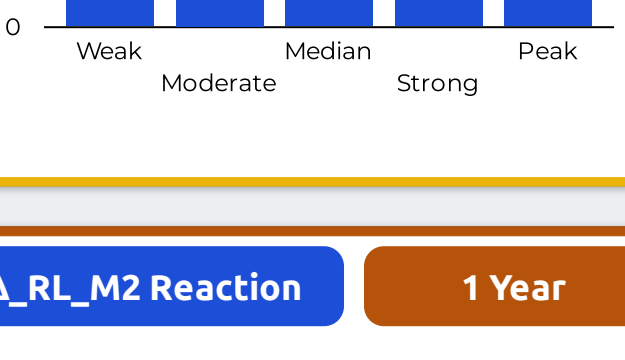
Volume Over Time



△_RL_M2 Reaction

1 Year

Close USD % Change Over Time

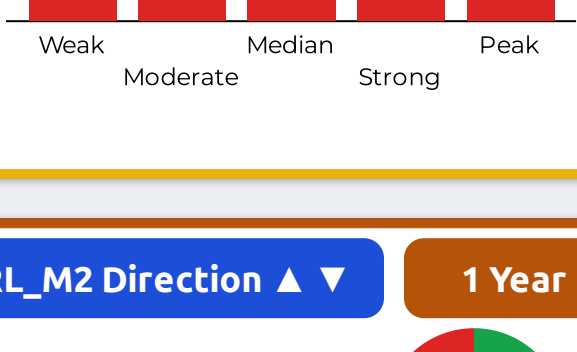


△_RL_M2 Direction ▲ ▼

1 Year

Positive = 53.97%

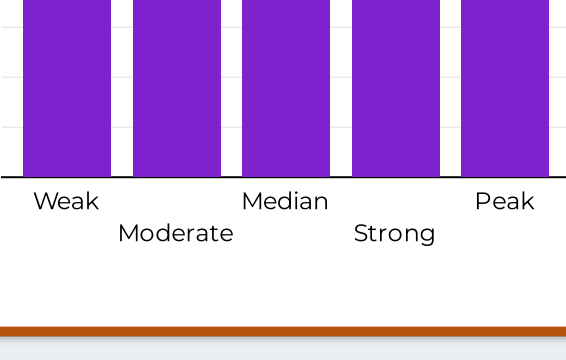
Negative = 46.03%



○_BL_M1 Baseline

Distant 6M

Volume Over Time



△_RL_M2 Reaction

Distant 6M

Close USD % Change Over Time

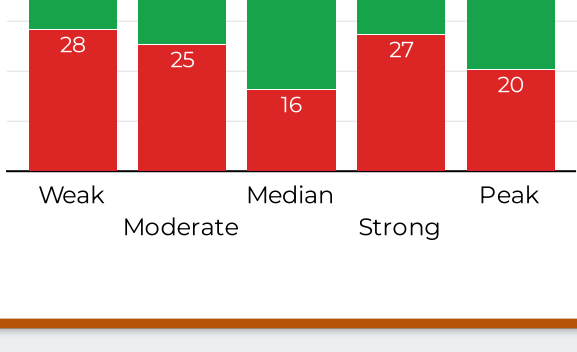


△_RL_M2 Direction ▲ ▼

Dist. 6M

Positive = 54.84%

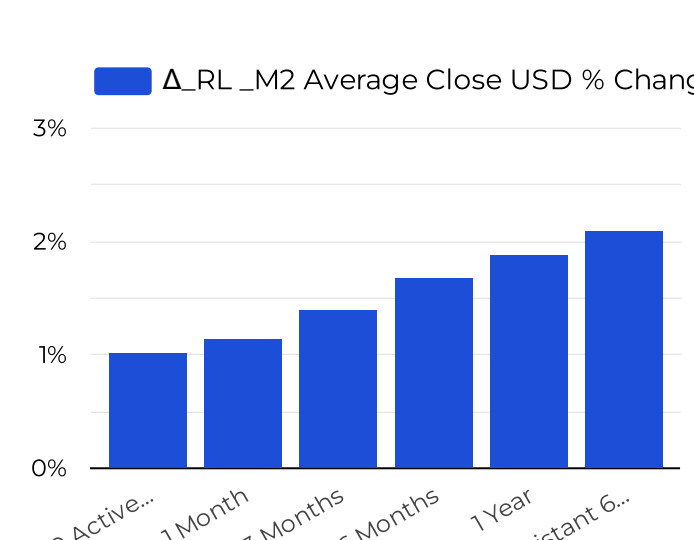
Negative = 45.16%



△_RL_M2 Reaction

△_RL_M2 Average % Change (Timeframes)

Mixed Timeframes



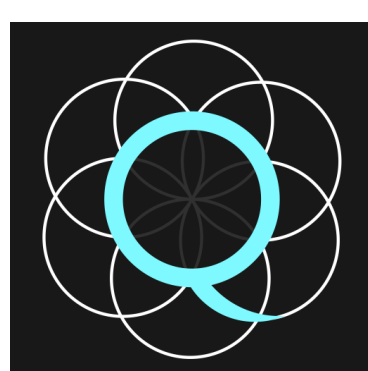
Timeframe Period	Average Reaction
10 Active Days	1%
1 Month	1.13%
3 Months	1.38%
6 Months	1.66%
1 Year	1.87%
Distant 6 Months	2.08%

Additional Overlay details which so far seem useful with stable stock market data.

Reshaped Metric Values showing the Reaction Intensity averages over different timeframes.

An Overlay of Reaction Intensity as %, not quantile ranked.

These are non-negative % values before Ordinal Ranking.

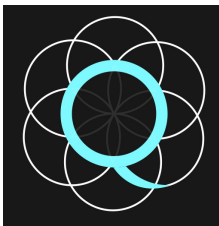


Version 3.1 - 31 May 2026

- New Dew Point Skin
- Improved decimal point handling in QAE Engine
- Added optional Random Micro Jitter (Multiplicative)
- Added optional Random Micro Jitter for Zeros (Additive)
- Added optional Ground Zero Constant Offset
- Corrected the Weak to Peak direction on heatmaps

Version 3.2 - 20 June 2026

- Reaction % primary container. Corrected the number rounding on the panel
- Minor adjustments



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Metric 1 - M1

→ Baseline Lens

○_BL =

Metric 2 - M2

→ Reaction Lens

△_RL =

Ranked by absolute state within the Complete One-Year Range

Reshaped to Reaction Intensity from Prior State then Ranked abs 1yr range

Border colors indicate timeframes

1 Month

3 Months

6 Months

1 Year

Distant 6M

All containers show identification badges for timeframes plus lens type with metric identity

Reserved space: Automated system status and integration details

QAE - Quintile Analysis Engine
SEASONAL BACK-STITCH PAGE
* Stock Market Skin *

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Newest: Dec 31, 2019

Oldest: Jan 1, 2019

Newest Active Date: Dec 31, 2019

UTC-04:00 Atlantic Canada / Venezuela

QAE Timestamp: 2026-06-21 | 18:04:29

Day Count
365

Active Days
252

Participation
69.04%

○_BL_M1 Baseline

1 Year

Newest Active Dec 31, 2019
Volume
231,211,318
Weak
Consecutive Days
(no direction) Weak = 5

Lowest Volume
Dec 24, 2019
138,863,879

Highest Volume
Jan 28, 2019
2,511,526,695

Baseline Lens Q-Band M1
Volume Cut-Offs

Weak | Up To - 295,831,565.00

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Median | Up To - 449,024,396.00

Strong | Up To - 583,642,194.00

Peak | Up To - 2,511,526,695.00

△_RL_M2 Reaction

1 Year

Newest Active Dec 31, 2019
Close Price USD % Change
1.205% = 5.88
Median ▲
Consecutive Days
Median ▲ = 1
(no direction) Median = 1

Lowest % Change
May 3, 2019
0.000%

Highest % Change
Jan 28, 2019
13.750%

Reaction Lens Q-Band M2
Close Price % Change Cut-Offs

Weak | Up To - 0.4602%

Moderate | Up To - 1.0593%

Median | Up To - 1.7798%

Strong | Up To - 2.9147%

Peak | Up To - 13.7500%

○_BL_M1 Baseline & △_RL_M2 Reaction

Newest Historical Activity

1 Year

Local History Q-Bands: M1 = Volume | M2 = Close Price % Change

Peak - Volume M1

Peak - Price % Change M2

Date	○_BL_M1	Position	△_RL_M2	Peak List	Date_○_BL...	Peak List	Date_△_RL...
Dec 31, 2019	Weak	First Active Date	Median ▲	1	Dec 20, 2019	1	Dec 12, 2019
Dec 30, 2019	Weak	2nd Active Date	Strong ▼	2	Nov 15, 2019	2	Dec 2, 2019
Dec 27, 2019	Weak	3rd	Moderate ▼	3	Oct 15, 2019	3	Nov 25, 2019
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Dec 24, 2019	Weak	5th	Weak ▼	5	Aug 19, 2019	5	Nov 4, 2019
Dec 23, 2019	Moderate	6th	Weak ▼	6	Aug 16, 2019	6	Oct 25, 2019
Dec 20, 2019	Peak	7th	Median ▲	7	Aug 5, 2019	7	Oct 21, 2019
Dec 19, 2019	Strong	8th	Strong ▲	8	Jul 11, 2019	8	Oct 15, 2019
Dec 18, 2019	Moderate	9th	Moderate ▲	9	Jul 1, 2019	9	Oct 8, 2019
Dec 17, 2019	Moderate	10th	Median ▲	10	Jun 26, 2019	10	Oct 3, 2019

Monthly Q-Band Counts: ON-TOP M1 = Volume ---- BELOW M2 = Close Price USD % Change

○_BL_M1 Baseline

Monthly Q-Band Volume Trajectory

1 Year

Select Bands

○_BL_M1 Baseline

Monthly Q-Band Volume Dispersion

1 Year

month / count

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Peak	17	8	8	2	5	2	2	3	1	1	1	1
Strong	4	8	8	5	6	3	2	3	0	4	4	3
Median	0	2	4	9	6	7	6	5	3	3	3	2
Moderate	0	1	1	4	5	6	7	7	8	5	2	4
Weak	0	0	0	1	0	2	5	4	8	10	10	11

○_BL_M1 Baseline

Monthly Q-Band Volume Proportions

1 Year

These 3 barcharts / tables leftside are all from the same underlying M1 data-table which has indexed Q-Bands assigned to monthly buckets

△_RL_M2 Reaction

Monthly Q-Band % Change Trajectory

1 Year

Select Bands

△_RL_M2 Reaction

Monthly Q-Band % Change Dispersion

1 Year

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Peak	10	3	5	2	4	4	3	6	4	5	3	2
Strong	5	3	6	3	7	3	5	8	2	3	3	2
Median	3	2	3	7	5	7	4	3	6	4	1	5
Moderate	1	8	3	3	3	4	3	3	5	3	8	6
Weak	2	3	4	6	3	2	7	2	3	8	5	6

△_RL_M2 Reaction

Monthly Q-Band % Change Proportions

1 Year

△_RL_M2 Direction ▲ ▼

Monthly Reaction Directional Polarity

1 Year

Positive = 53.97%

Negative = 46.03%

116

136

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Negative	7	8	9	9	17	6	10	11	11	10	9	9
Positive	14	11	12	12	5	14	12	11	9	13	11	12

67%

58%

57%

57%

23%

70%

55%

50%

45%

57%

55%

57%

33%

42%

43%

43%

77%

30%

45%

50%

55%

43%

45%

43%

These 3 barcharts / tables leftside are all from the same underlying M2 data-table which has indexed Q-Bands assigned to monthly buckets

The Directional Bias barchart is a separated polarity data-table