S&P Dow Jones Indices

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Index Dashboard: Dispersion, Volatility & Correlation

July 31, 2024

COMMENTARY

July brought its seasonal slew of corporate earnings and with dispersion already elevated after a long run up in prices, mega-cap U.S. equity releases were more closely watched and sharply judged than usual.

Realized S&P 500 dispersion rose to 27%, while the forward-looking DSPX measure of implied S&P 500 dispersion made a new all-time (live) high of 35.14 on the penultimate day of the month.

Among other major markets and in small cap U.S. equities in particular, dispersion continued to register well above historical norms. Meanwhile, correlations and volatilities ticked up, but remained largely low to moderate in magnitude.

GLOBAL DASHBOARD



25th %ile C rrent Jan 2007 to date). Dispersion and volatility are annualized, correlation is the absolute level during the past month.

S&P 500 Implied Indicators

	Level	1M + / -	
Volatility Index (VIX®)	16.36	1 3.92	TI
Dispersion Index (DSPX)	33.44	1 3.89	In

95th %ile

he Cboe Volatility Index (VIX) and the Cboe S&P 500 Dispersion Index (DSPX) measure market xpectations for S&P 500 index volatility and dispersion, respectively, over the next 30 days. The Dispersion dex was launched on September 27, 2023.



Source: S&P Dow Jones Indices as of Jul 31, 2024 * See "Notes" for explanations and definitons.

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NOTES

Definitions

Dispersion for each index is the annualized, index-weighted standard deviation of the index constituents' full-month total returns. See "Dispersion: Measuring Market Opportunity" for a formal definition of dispersion and more information on its uses.

Correlation for each index measures the correlation among the daily returns of the index constituents during the month, calculated via the ratio of index variance to the index-weighted average constituent variance. See "At the Intersection of Diversification, Volatility and Correlation" for a more detailed explanation of the calculation.

Volatility for each index is the annualized standard deviation of daily index price returns during the month. See "The Landscape of Risk" for details on the relationship of correlation, volatility and dispersion.

Required Incremental Return From Concentrated Active (in Dispersion Units) provides the excess return, in multiples of 12M trailing average dispersion, required from a concentrated position in a single index constituent with 12M trailing volatility equal to the index-weighted average, such that the ratio of return to volatility of the position matches that of an investment with volatility matching the index's trailing 12M volatility, and an annual return of 10%. For further details, see "The Active Manager's Conundrum".

Measurement Periods For Historical Ranges (p1)

The time period over which the median and percentiles of dispersion and correlation are measured begins with January, 2007 and ends with the current month except in the case of the S&P GCC Composite Shariah (which has a history to April, 2007).

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