Options Volatility Service℠

Interactive Data's Options Volatility Service℠, an historical database of implied volatilities, option risk parameters, and volatility surfaces, offers clients an easy-to-use tool for assessing risk and volatility for the U.S. options market.

Interactive Data's Options Volatility Service combines historical data with daily updates to create a database of end-of-day pricing, corporate actions, and analytics for U.S. listed options, equities, exchange traded funds (ETFs), currencies, and equity indices. The service can help clients to easily run risk reports across varied positions, analyze specific positions in depth, and conduct research such as back testing of trading strategies. Insurance companies can also use the service to help price their variable annuities.

Benefits

Benefits of the Option Volatility Service include:

- Extensive historical pricing and reference data including "cleansed" corporate actions and related information
- Logical joining of the data into a unified system
- Easy tracking of stocks and options through time, or viewing them at a specific point in time
- Advanced analytical methodologies
- Synchronous pricing across options and underlying securities snapped just prior to market close, providing tighter spreads and better analytics
- Sample loader scripts for loading the data into your internal systems
- Data challenge process with automated incorporation of any resulting data updates

Options Volatility Database

The Options Volatility Service database covers thousands of companies, delivering a comprehensive picture of end-of-day equity option implied volatility—from per-contract implieds and risk parameters to constant-maturity interpolated surfaces.

The database is comprised of approximately twenty tables containing up to 13 years worth of reference data, pricing history, and option analytics. Clients will receive end-of-day files consisting of updated database tables ready to load into their database. (Interactive Data will provide clients with sample scripts for loading the tables using SQL Server®, MySQL®, or Oracle®.)

Data Coverage

The Options Volatility Service database includes:

- Daily closing implied volatilities for more than 6,000 U.S. companies with listed options since January 1998.
- Listed surfaces by contract (put/call, strike, and expiry) including: closing bid/ask/mid implied volatility; delta, gamma, theta, vega and rho, and confidence index
- Price-relative interpolated surfaces: constant maturities from 1 month to 2 years and actual expiries, strikes as a percentage of underlying price (100 = at the money), interpolated bid/ask/mid implied volatility and confidence factor
- Delta-relative interpolated surfaces: constant maturities from 1 month to 2 years and actual expiries, strikes in call-equivalent delta terms (50 = at the money), interpolated bid/ask/mid implied volatility and confidence factor
- Daily implied dividend maps, implied borrow rate maps, and Libor-based interest-rate term structures.
- Daily end-of-day pricing (adjusted and unadjusted) and close-to-close realized (historical) volatility
- Identifier change history: CUSIP®, ticker, issuer name
- Option deliverable terms including non-standard, multiple deliverables
- Underlying equity information including total return, industry classification, issue type codes
- "Cleansed" corporate actions and related information going back to 2002

Delivery

Interactive Data will deliver the initial Options Volatility Service database to the client, and then deliver new and/or updated data for the database tables nightly via zipped, flat text files. There are two nightly file deliveries: an initial daily file at approximately 20:15 Eastern Time (ET) and a final update file at approximately 21:30 (ET). Clients can then load the updated data into their in-house database.

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