This dataset contains smoothed and interpolated market data for SPX (assume is American-style) options, constructed with fixed time-to-maturity (1month) and standardized delta levels. Each row represents an option quote for a specific delta on a given date, with the time to maturity consistently set at 30 days The dataset includes typical option pricing inputs such as the underlying index price (close), implied volatility (impl\_volatility), strike price (impl\_strike), and the 30-day interest rate (\_1\_MO), which serves as the risk-free rate. The cp\_flag indicates whether the option is a call ('C') or a put ('P'), while impl\_premium represents the market price of the option. The data is smoothed and interpolated across fixed deltas (e.g., 90, 80)