Effective Use of High-Low Charts

**Purpose**
This tool provides guidelines and tips on how to effectively use high-low charts to communicate research findings.

**Format**
This tool provides guidance on high-low charts and their purposes, and shows examples of preferred practices and practical tips for high-low charts.

**Audience**
This tool is designed primarily for researchers from the Model Systems that are funded by the National Institute on Disability, Independent Living, and Rehabilitation Research (NIDILRR). The tool can be adapted by other NIDILRR-funded grantees and the general public.

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High-Low Charts

- High-Low Charts are most frequently used to display stock market price data per day – typically the high value, the low value, and the closing value for the day [High-Low-Close Charts].

- High-Low charts may also include the opening value for the day [Open-High-Low-Close Charts].

- Open-High-Low-Close charts have characteristics similar to Box Charts.

- High-Low charts may also include the total volume of shares traded that date (using a second vertical axis, combination chart).

- High-Low Charts are also called Candlestick Charts.

- Can also use High-Low charts to illustrate other research-based data that might be expected to vary across low to high values during any given displayed period (Example: The low temperature and high temperature per day - or the lowest vs highest relative humidity value per day).
High-Low-Close Charts

Stock Price - WishfulThinking.com

Blue vertical lines represent the lowest to highest price of the stock per day. Some days more price-variable [volatile] than others. Red dots represent the closing price for the day.

Source: Mock Data
Open-High-Low-Close Charts

Blue vertical lines represent the low to high price of the stock per day. Boxes represent the opening and closing prices for the day. Green box = Closing price higher than opening price for the day. Pink box = Closing price lower than opening price for the day. No visible box = No substantial price change during the day.
High-Low-Close Charts

Temperature Range Degrees Fahrenheit
Chapel Hill NC - December 2014

Blue vertical lines represent the daily range from low to high temps. Red dots represent the average of the 24 hourly temperature measurements for the day.