

# Crystal Ball Software and Risk Analysis Tips

## Shortcut to Display the Sensitivity Chart Customizing How Crystal Ball Calculates and Formats Percentiles

Different industries sometimes like to calculate and display statistics, especially percentiles, in different ways. Most commonly, percentiles can either be calculated as the probability below or above a value. Likewise, percentiles can be displayed (or formatted) either with the percent symbol, (e.g., 10%, 90%) or with an abbreviation (e.g., P10, P90).

Crystal Ball allows the user to customize both how percentiles are calculated and how they are displayed, with a setting in the Run Preferences dialog.

From the toolbar, or the Run menu, select Run Preferences, then click the Statistics tab in the Run Preference dialog. The Statistics tab settings determine how Crystal Ball calculates and displays percentiles. The different settings and their effects are:

**Calculate Percentiles As:** sets how Crystal Ball defines percentiles. Selecting either of these options also affects the percentiles used for the assumption alternate parameters.

**Probability Below A Value:** defines percentiles as the percent chance (probability) that the associated variable value is at or below a particular value. This setting is the default.

**Probability Above A Value:** defines percentiles as the percent chance (probability) that the associated variable value is at or above a particular value.

**Format Percentiles As:** sets how Crystal Ball displays percentiles in charts and reports, with a percent sign or the percentile preceded by “P.”

For more information or to contact us, browse to <http://helpdesk.crystalball.com>

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