



# Statistical Processing

This four-hour course is for power users who want to identify and use transforming commands and eval functions to calculate statistics on their data. Topics will cover data series types, primary transforming commands, mathematical and statistical eval functions, using eval as a function, and the rename and sort commands.

## Course Topics

- What is a Data Series
- Transforming Data
- Statistical Aggregation with the stats Command
- Manipulating Data with eval
- Formatting Data

## Required (Prerequisite) Knowledge

To be successful, students should have a working understanding of these courses:

- What is Splunk?
- Intro to Splunk
- Using Fields

## Recommended Knowledge

To be successful, students are recommended (but not required) to have a working understanding of these courses:

- Visualizations
- Result Modification

## Course Format

Instructor-led or eLearning

## Course Objectives

### Topic 1 – What is a Data Series

- Introduce data series
- Explore the difference between single-series, multi-series, and time series data series

### Topic 2 – Transforming Data

- Use the chart, timechart, top, and rare commands to transform events into data tables

### Topic 3 – Statistical Aggregation with the stats Command

- Define aggregation
- Explore the stats command and eight of its functions

### Topic 3 – Manipulating Data with eval Command

- Explore the eval command
- Explore and perform calculations using mathematical and statistical eval functions
- Perform calculations and concatenations on field values
- Use the eval command as a function with the stats command

### Topic 4 – Formatting Data

- Use the rename command
- Use the sort command

## About Splunk Education

Splunk classes are designed for specific roles such as Splunk Administrator, Developer, User, Knowledge Manager, or Architect.

### Certification Tracks

Our certification tracks provide comprehensive education for Splunk customer and partner personnel according to their areas of responsibility.

To view all Splunk Education's course offerings, or to register for a course, go to <http://www.splunk.com/education>

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