

## Statistical Processing

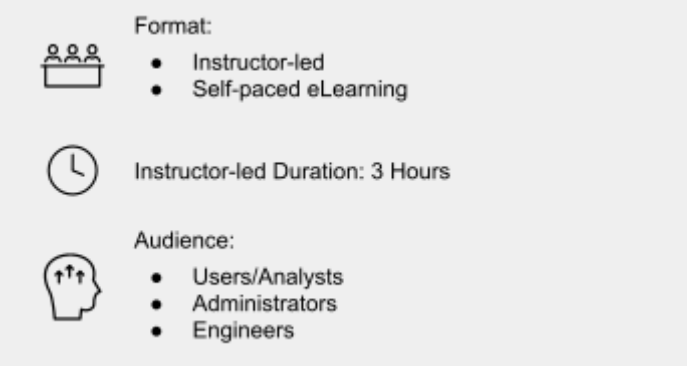
### Summary

This course is for Splunk users, analysts, and administrators who want to advance their data analysis skills using Splunk's statistical commands.

This course covers essential statistical functions and commands such as stats, eventstats, streamstats, and tstats with a focus on summarizing, analyzing, and reporting on large datasets.

### Prerequisites

- To be successful, students must have completed these Splunk Education course(s) or have equivalent working knowledge:
  - Intro to Splunk
  - Using Fields
  - Visualizations
  - Working with Time



**Format:**

- Instructor-led
- Self-paced eLearning

**Instructor-led Duration: 3 Hours**

**Audience:**

- Users/Analysts
- Administrators
- Engineers

### Course Outline

#### Module 1 – What is a Data Series

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

#### Module 2 – Transforming Data

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

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

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

#### Module 4 – Manipulating Data with the 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

#### Module 5 – Formatting Data

- Use the rename command
- Use the sort command

## About Splunk Education

With Splunk Education, you and your teams can learn to optimize Splunk through self-paced eLearning and instructor-led training, supported by hands-on labs. Explore learning paths and certifications to meet your goals. Splunk courses cover all product areas, supporting specific roles such as Splunk Platform Search Expert, Splunk Enterprise or Cloud Administrator, SOC Analyst or Administrator, DevOps or Site Reliability Engineer, and more. To learn more about our flexible learning options, full course catalog, and Splunk Certification, please visit <http://www.splunk.com/education>.

To contact us, email [education@splunk.com](mailto:education@splunk.com).