

## **Dashboard Development using JavaScript** (Formerly Brio “Custom Application Design”)

<b>Description:</b>	<p>This 2-day course is designed for people who create customized front-ends using the Dashboard/ EIS functionality and for Explorer or Designer developers who create documents for end users. This is a very lab-intensive course.</p> <p>Students will learn:</p> <ul style="list-style-type: none"> <li>• How JavaScript can be used to script and control Hyperion/Brio Client documents (an introduction);</li> <li>• How JavaScript programs are interpreted by the Hyperion/Brio engine and are used to provide dynamic control of Hyperion/Brio document;</li> <li>• How documents enhanced with JavaScript are able to respond to user interaction; and,</li> <li>• How within the Hyperion/Brio Client, JavaScript is used to respond to user events and the document lifecycle.</li> </ul> <p>The class begins with introductory concepts and moves into programming techniques. Students focus on developing an understanding of the JavaScript syntax and object framework, specifically as it applies to interacting with BrioQuery documents.</p>
<b>Prerequisites:</b>	Familiarity with the Hyperion/Brio reporting and analysis tool. Experience with some programming language is helpful but not required.
<b>Class Length:</b>	2 days
<b>Version:</b>	Hyperion Intelligence Performance Suite V8 and Brio V6. The clients are essentially the same in both versions.
<b>Labs:</b>	Yes
<b>Training Contact:</b>	Cathryn Lai: 206-390-5958 , cathi_lai@cabri-ltd.com

**Course  
Outline:**

**Day 1**

1. Dashboard Demonstration
2. JavaScript Overview
  - a. Object Oriented Programming
  - b. JavaScript Syntax
3. The Brio Object Model (THE SCRIPT EDITOR and THE OBJECT BROWSER)
4. Document Scripts
5. EIS Section
  - a. Interface
    - i. Modes
    - ii. Design Tools
    - iii. Properties
    - iv. Interface
  - b. Graphics
  - c. Control Objects

**Day 2**

6. Scripting Techniques to manipulate the Brio Application
  - a. Manipulating Limits
  - b. Populating list boxes and dropdowns
  - c. Manipulating queries
  - d. Scripting Pivots and charts
7. Functions
  - a. Pre-defined JavaScript Functions
  - b. Local and Global Functions
8. Design Tips