

# Central U.S. Visual Business Intelligence Workshop

3 days of data analysis and presentation courses in Austin, Texas

Show Me the Numbers: Table and Graph Design

Information Dashboard Design

Now You See It: Visual Data Analysis

Taught by Stephen Few of Perceptual Edge



Known for his three popular books on data visualization—*Show Me the Numbers*, *Information Dashboard Design* and *Now You See It*—Few writes the quarterly *Visual Business Intelligence Newsletter*, speaks and teaches internationally, and provides design consulting.

*Now that [Few has] opened our eyes and minds to new and better ways of communicating data, we shall never see things in quite the same way again.*

UNESCO

## Mansion at Judges' Hill, Austin, Texas

Tues, April 17, 2012

Show Me the Numbers: Table and Graph Design

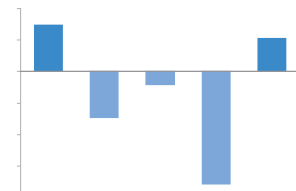
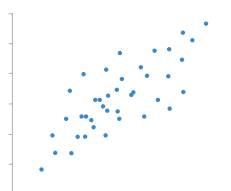
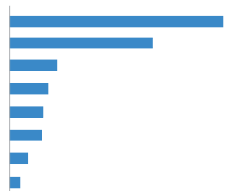
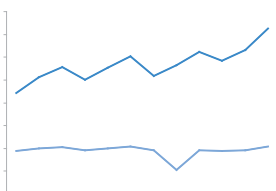
Wed, April 18, 2012

Information Dashboard Design

Thurs, April 19, 2012

Now You See It: Visual Data Analysis

You may attend one, two, or all three courses. These courses will only be offered once in the Central U.S. during 2012, but will also be offered in Boston on June 12 – 14, 2012 and in Portland on October 2 – 4, 2012.



# Registration

## How to Register

You may register online at [www.PerceptualEdge.com/workshops.php](http://www.PerceptualEdge.com/workshops.php). Payments may be made using a credit card (Visa, MasterCard, American Express, or Discover) or purchase order. Following registration, you will receive an email confirmation, including a receipt and directions to the hotel. Attendance will be limited to the first 60 people for any given day, so be sure to register early.

## Fees

The fee per course is \$450. Individuals who register for all three courses will receive a 10% discount.

## Group Discounts

Groups receive discounts based on the total number of courses taken by the entire group, as follows:

Total Courses	Discount
3 to 8	10%
9 to 14	15%
15 or more	20%

Full time students and approved non-profit organizations may receive an additional 25% discount (applied to total, after any group discounts). To request this discount, please call us at (510) 558-7400, rather than registering via the Web. Students must provide a copy of their student ID.

## Location and Dates

### Mansion at Judges' Hill, Austin, Texas

Lodging must be arranged directly with a hotel. For your convenience, a limited number of rooms have been reserved at the Mansion at Judges' Hill ([www.mansionatjudgeshill.com](http://www.mansionatjudgeshill.com)). Guaranteed rates range from \$169-\$199 per night, depending on the room size, plus taxes and fees. Please make your reservations by contacting the Mansion at Judges' Hill by phone at (512) 495-1800. Be sure to mention that you are attending the "Visual Business Intelligence Workshop" to get the reduced rates.

Tues, April 17, 2012	Show Me the Numbers: Table and Graph Design
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## Questions

For further information, email [register@PerceptualEdge.com](mailto:register@PerceptualEdge.com) or phone (510) 558-7400.

I hope to see you in Austin.



## Day 1 – Show Me the Numbers: Table and Graph Design

The ability to design effective visual displays of data is not intuitive; it requires a set of visual design skills that must be learned. No information is more important to a business than *quantitative information*—the numbers that measure performance, identify opportunities, and forecast the future. Most quantitative information is presented as *tables and graphs*. Unfortunately, most tables and graphs used in business today are poorly designed—often to the point of misinformation. Why? Because almost no one who produces them, including specialists such as financial analysts and other report developers, have been trained in effective table and graph design. You can become an exception to this norm. Based on his book, *Show Me the Numbers*, Few will introduce the best practices in data presentation.

This course provides practical instruction in table and graph design developed specifically for the needs of business. It eliminates countless hours of confusion and frustration. Following Few's clear principles and practices, communicated through examples of what works, what doesn't, and why, you will learn to design tables and graphs that present data clearly and drive your message home.

This course covers:

- Fundamental challenges of data presentation
- Differing characteristics and uses of tables and graphs
- Seven important quantitative relationships in business graphs
- Visual perception and how it applies to data presentation
- Steps in the visual information design process
- Visual design methods for highlighting data
- Best practices of table design
- Effective ways to encode quantitative information graphically
- Matching the right graph to your data and message
- Component-level graph design (colors, scales, labels, etc.)

Everyone who attends this course will receive a copy of the book *Show Me the Numbers*.

## Day 2 - Information Dashboard Design

Dashboards have become a popular means to present critical business information at a glance, but few do so effectively. Huge investments are made in Information Technology to produce actionable information, only to have it robbed of meaning at the very last stage of the process: the presentation of insights to those responsible for making decisions. When designed well, dashboards engage the power of visual perception to communicate a dense collection of information in an instant with exceptional clarity. This can only be achieved, however, by applying visual design skills that address the unique design challenges of dashboards. These skills are not intuitive; they must be learned.

Stephen Few, a leader in the field of data visualization and author of *Information Dashboard Design* will expose the common problems in dashboard design and introduce effective design practices through examples that explain what works, what doesn't, and why.

This course covers:

- Current state of dashboards
- Definition and potential benefits of dashboards
- Fundamental goals and challenges of dashboard design
- Thirteen common mistakes in dashboard design
- Characteristics of well-designed dashboards
- Steps in the dashboard design process
- Common dashboard information and techniques for enriching its meaning
- Selecting appropriate media for displaying the data
- Ideal library of dashboard display media
- Best practices of dashboard design

Everyone who attends this course will receive a copy of the book *Information Dashboard Design*.

## Day 3 – Now You See It: Visual Data Analysis

Ninety percent of all business data analysis can be done using simple graphing techniques to discern meaningful patterns in data. The remaining 10%, which requires sophisticated statistical and financial analysis skills, is well addressed by available resources, but where are the resources that teach the skills needed by the rest of us? Even though these skills are easy to learn and apply with proper guidance, very few people involved in analyzing business data know them. This course provides a solution.

This course is intended for all those whose work requires them to make sense of quantitative business data. This audience is much broader than financial analysts, or even analysts by any name. This course provides practical skills that are useful to managers at all levels and to anyone interested in keeping a keen eye on the business. Anyone who uses Excel or any of the many other business productivity tools used for data access, analysis, and reporting, will learn how to use them productively, perhaps for the first time.

This course covers:

- An introduction to visual data analysis
- The traits of top data analysts
- The best data for meaningful analysis
- Visual perception and data visualization
- Visual characteristics to look for in the data
- Quantitative business analysis techniques by type
- Analytical navigation
- The pitfalls and challenges of popular data analysis software
- The critical contributions from the information visualization research community

Everyone who attends this course will receive a copy of the book *Now You See It*.

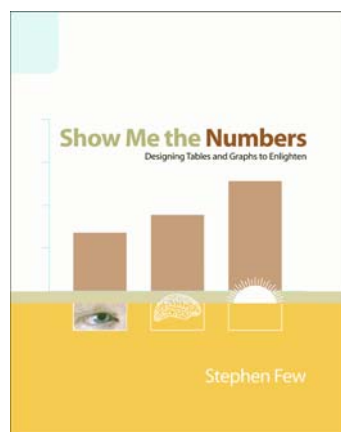
## More about Perceptual Edge

In this so-called *information age*, we are overwhelmed by data. This is not because there is too much information, but because we don't know how to tame it. Information lies stagnant in rapidly expanding pools as our ability to collect and warehouse it increases, but our ability to make sense of and communicate it remains inert, largely without notice.

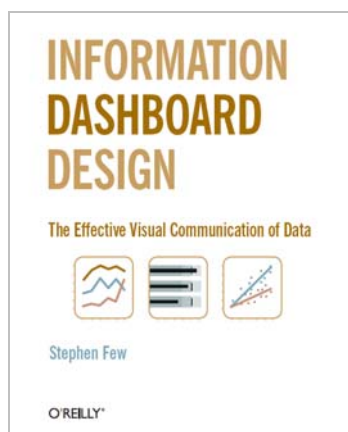
Computers speed the process of information handling, but they don't tell us what the information means or how to communicate its meaning to decision makers. These skills are not intuitive; they rely largely on analysis and presentation skills that must be learned.

Perceptual Edge focuses on the tools and techniques of *visual business intelligence* to help you make better use of your valuable information assets.

For a full range of resources and services, visit [www.PerceptualEdge.com](http://www.PerceptualEdge.com).



*A real gem...clear, concise, and comprehensive.*



*Guidelines for creating "eloquence through simplicity."*



*...will become the "gold" standard for data exploration.*