



VERMONT PROFESSIONAL
LEARNING NETWORK

VermontPLN.org

CVEDC LAPDA VLC

The Vermont Professional Learning Network (PLN)

ONLINE COURSE

Introduction to Data Visualization: Visual Analytic Resource Design for Educators

Instructor: Steve Bogdanoff

Providing professional learning opportunities for Vermont educators in Common Core State Standards and Instructional Leadership through a partnership with the Vermont Agency of Education



Providing ground-breaking instruction in Excel-based, two dimensional data display design theory and practice, *The Introduction to Data Visualization: Visual Analytic Resource Design for Educators* class helps schools and districts successfully address the increasing demand that educators work more effectively with information to support instructional, curricular, programmatic, operational, and strategic decision-making. Participants will develop a wealth of knowledge and skills to work more efficiently with the data they use in their day-to-day work. The course offers participants a chance to engage with 21st century methods for working more efficiently with the massive amounts of paper-based data that educators are required to use in their educational decision-making and 21st century leadership.

Prerequisite: Students should come to the class with a working understanding of navigation basics for Excel 2010-2013's two-dimensional data environment.

Tech Requirements: Students using PC resources will need access to Microsoft Excel, V.2010 or newer; students utilizing the Macintosh environment must utilize "Microsoft Excel for Mac," V.2011 or newer.

Three graduate credits, total fee is \$375, thanks to a contract with the Vermont AOE. We do not anticipate being able to repeat this course and certainly not at this price.

Special option: We will offer a one-day face-to-face session on January 27 (Randolph, VT, area) for those who can attend. This is an ideal way to begin the course, but it is not mandatory. (Please see more background on the VermontPLN website.)

Steve Bogdanoff has been a passionate K12 educator for 40 years, 30 of which have been spent solving the data and decision-making bottleneck confronting educators. A specialist in information management and visual analytic resource design at the school, district, and state levels, he is the creator of numerous analytic recourse, including "MVAR," a resource for interactive analysis of standardized testing data which the Massachusetts Dept of Elem and Secondary Ed recently approved for statewide use.

For: Vermont K-12 teacher leaders and administrators, data specialists

10 Modules in the Course--

spaced to support participants:

Unit 1: Visual Analytic Resources (VAR): Basic Characteristics and Application to Educational Work

Unit 2: Supporting VAR Development with the Excel Ribbon

Unit 3: Creating Insights from Data with Excel Formulas

Unit 4: Using Excel Functions to Build Advanced Formulas

Unit 5: Using Excel's Cell Referencing 'GPS System'

Unit 6: Seeing Educational Data with Basic Conditional Formatting

Unit 7: Seeing Educational Data with Advanced Conditional Formatting

Unit 8: From Numbers to Pictures: Excel Charting Basics

Unit 9: Moving Pictures: Developing Advanced, Interactive Excel Charts

Unit 10: Database Design and Key Functionalities

Location: ONLINE, Moodle environment

Asynchronous,

with scheduled office hours

plus optional Jan.27 meeting

Dates: Jan. 27, 2016 – April 29, 2016

Cost: \$375.00 (includes 3 credits)

Find more details and register:

www.VermontPLN.org