CNS Cyberinfrastructure for Network Science Center

INDIANA UNIVERSITY
SCHOOL OF INFORMATICS, COMPUTING, AND ENGINEERING

# Visual Analytics Certificate

Coming Soon: Advance your skills in one of the most in demand careers through this six-week (3 CEUs) online course focused on understanding and creating data visualizations that translate complex data into actionable insights.

**Pre-register: tinyurl.com/VACRegister**

### Learn from Experts

Connect with industry professionals and leading researchers.

### Evolve Yourself

Gain *forever* knowledge and skill-up in powerful data visualization tools.

### Make a Difference

Embrace data-driven decision-making in your personal and professional life.

## Case Studies: Solving Real-World Challenges

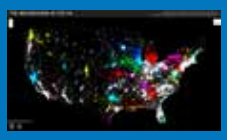
Apply your new knowledge and skills in projects that require you to identify user needs and priorities; select the best data, algorithms, and workflows for temporal, geospatial, topical, and network case studies; communicate actionable insights using standard terminology; and deliver high-quality results on time and on budget.


Monitor S&T Developments


Manage Communication Flows


Optimize Traffic Flows


Manage Customer Feedback


Improve Network Resilience


Develop Workforce

## Submit a Case Study

Collaborate with us on solutions that make a difference to you. Submit a project description, we will then implement efficient solutions and provide training materials that will speed adoption by key decision-makers.

**Submit: tinyurl.com/VACCaseStudy**

https://visanalytics.cns.iu.edu

# Related Books

The following books are used extensively in the course. Discover these highly regarded, award-winning books at your favorite bookstore.


*Atlas of Knowledge: Anyone Can Map*

***ISBN*** *0262028816*


*Atlas of Science: Visualizing What We Know*

***ISBN*** *0262014459*


*Visual Insights: Making Sense of Big Data*

***ISBN*** *0262526190*

# Instructors

Learn from instructors with diverse backgrounds who are experienced researchers and educators deeply committed to providing industry leading instruction and support.

**Katy Börner**
Instructor

Victor H. Yngve Distinguished Professor of Engineering and Information Science at the School of Informatics, Computing, and Engineering. Founding Director of the Cyberinfrastructure for Network Science Center (http://cns.iu.edu) at Indiana University.

- Research focus on development of data analysis and visualization techniques for information access, understanding, and management.
- Cyberinfrastructures development for large-scale scientific collaboration and computation.

**Michael Ginda**
Assistant Instructor

Data analyst and research assistant with the Cyberinfrastructure Center for Network Science. He holds a Master's degree in Library Science from Indiana University.

- Research focus on knowledge representation and organization, metadata, and information networks.
- Lead instructional designer.

**Andreas Bueckle**
Assistant Instructor

PhD student in Information Science at Indiana University focused on information visualization.

- Research focus on information visualization, specifically interactive and augmented reality.
- Videography and photography.

# Support Team

**Elizabeth Record**
Associate Director

**Bruce Herr II**
Senior System Architect / PM

**Leonard Cross**
Senior Interaction Designer

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