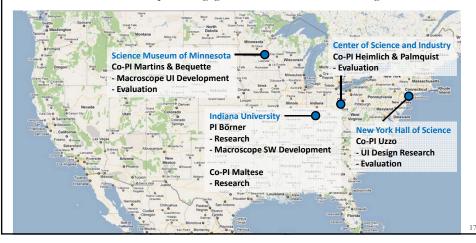


8

## **Data Visualization Literacy Studies**

The NSF-funded project <u>Pathways: Sense-Making of Big Data</u> project examined the data visualization literacy of over 900 youth and adult visitors. Study results will create a foundation for the design of museum exhibits and educational programs that teach museum visitors how to explore, engage, and make better sense of big data.



## References

Börner, Katy, Chen, Chaomei, and Boyack, Kevin. (2003). Visualizing Knowledge Domains. In Blaise Cronin (Ed.), ARIST, Medford, NJ: Information Today, Volume 37, Chapter 5, pp. 179-255. <a href="http://ivl.slis.indiana.edu/km/pub/2003-borner-arist.pdf">http://ivl.slis.indiana.edu/km/pub/2003-borner-arist.pdf</a>

Shiffrin, Richard M. and Börner, Katy (Eds.) (2004). **Mapping Knowledge Domains**. Proceedings of the National Academy of Sciences of the United States of America, 101(Suppl\_1). http://www.pnas.org/content/vol101/suppl\_1/

Börner, Katy, Sanyal, Soma and Vespignani, Alessandro (2007). **Network Science.** In Blaise Cronin (Ed.), *ARIST*, Information Today, Inc., Volume 41, Chapter 12, pp. 537-607.

 $\underline{http://ivl.slis.indiana.edu/km/pub/2007-borner-arist.pdf}$ 

Börner, Katy (2010) **Atlas of Science**. MIT Press. <a href="http://scimaps.org/atlas">http://scimaps.org/atlas</a>

Scharnhorst, Andrea, Börner, Katy, van den Besselaar, Peter (2012) Models of Science Dynamics. Springer Verlag.

Katy Börner, Michael Conlon, Jon Corson-Rikert, Cornell, Ying Ding (2012) VIVO: A Semantic Approach to Scholarly Networking and Discovery. Morgan & Claypool.

Katy Börner and David E Polley (2014) Visual Insights: A Practical Guide to Making Sense of Data. MIT Press.

