Scrum, Visualization, and Other Cool Stuff

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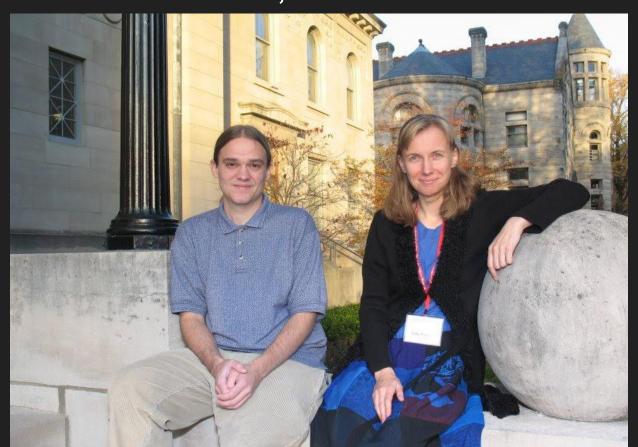
Timeline

- 1999-2004 BS Computer Science at IU
- 2004-2008 IV Lab / CNS
- 2008-2017 ChalkLabs (CTO from 2009-2017)
- Nov 2017 Back at CNS!

IV Lab, circa 2004



IV Lab, circa 2004

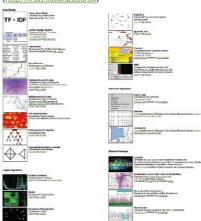


Information Visualization CyberInfrastructure

The InfoVis CyberInfrastructure provides access to data, software code and learning modules as well as computing resources in support of the analysis, modeling and visualization of diverse data sets. DATABASES Force Simulator Demo An Oracle database provides access to NBodyForce publications, patents, grants and grant GravitationalCon... -0.4 opportunities. The database is continuously and automatically updated. MinimumDistance -1.0 (http://lv.slis.indiana.edu/db) BarnesHufTheta -DragForce DragCoofficient. 119 120 121 121 122 DefaultSpr Please acknowledge this effort by citing Information Visualization CyberInfrastructure, Information Visualization Lab at Indiana University, http://iv.slis.indiana.edu 124 125 [Mohamed Abdi] COMPUTING RESOURCES The InfoVis CyberInfrastructure is hosted at Indiana Faisal Al S(Hani Hanis University's Research Database Complex comprising of two Sun V1280 servers with 12 900MHz processors and 96 GB of memory each. 6 TB fiber channel disks are attached to both servers. A Sun V880 system with 4 cpus and 8GB memory serves as the web front-end for the database servers. (http://iv.slis.indiana.edu/cr)

SOFTWARE

An open source IVC framework was designed to facilitate the integration of diverse data analysis, modeling and visualization algorithms. New algorithms, data persistence methods, look and feels for the interface and even entire toolkits can be easily "plugged in" or "unplugged". (http://uslis.Indlana.edu/sw)



- LEARNING MODULES

A set of associated learning modules aims to equip learners with a practical skill set by providing code and advice to quickly modify and run different algorithms, test diverse interaction techniques and design features, and to quickly generate and compare information visualizations.

(http://iv.slis.indiana.edu/lm)



InfoVIs Lab, School of Library and Information Science, Indiana University (2004).

For more information, contact Katy Börner at katy@indiana.edu

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CIShell Powered

Tools Portal



Cyberinfrastructure Shell (CIShell)

CIShell supports the plug-and-play of datasets and algorithms and their bundling into custom tools that serve the specific needs of a user group or research community. It has been applied to develop diverse custom tools, see below. Feel free to take plugins from any of these tools to design your personal dream tool.

Visit the CIShell wiki
to learn more about using
CIShell as a platform
for your tool!

Provided by the Cyberinfrastructure for Network Science Center at Indiana University.

Learn more about existing CIShell-powered tools below.



Network Workbench Tool (NWB)

The NWB Tool supports researchers, educators, and practitioners interested in the study of biomedical, social and behavioral science, physics, and other networks. It comes with a 77-page user manual.









Watch the movie about CIShell-Powered tools on the SciVee: Making Science Visible website by clicking on the image above.



Science of Science Tool (Sci²)

The Sci² Tool was specifically developed for science policy makers and researchers that study science by scientific means. It supports the temporal, geospatial, topical, and network analysis and visualization of scholarly datasets at the micro (individual), meso (local), and macro (global) levels. There exists a 112-page user manual, a continuously updated Sci² Tool wiki, and 24 hours of NIH tutorials in this tool.

Galler





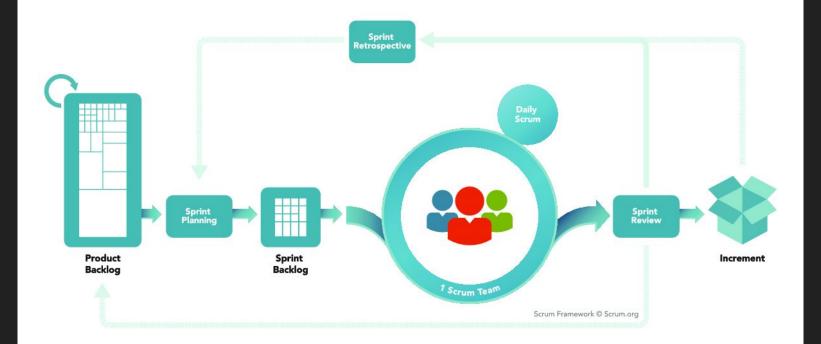


Cool Visualizations I've Worked On

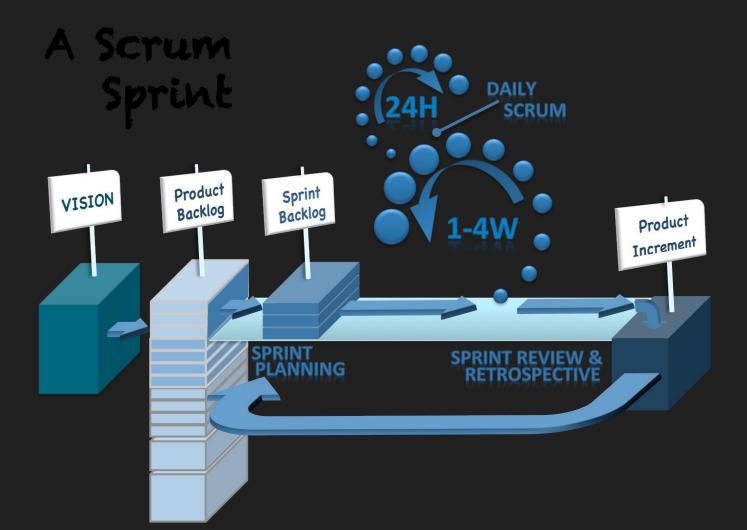
- An Emergent Mosaic of Wikipedian Activity
 - http://giqapan.com/giqapans/4277
 - http://gigapan.com/gigapans/4304
 - http://scimaps.org/maps/map/science_related_wiki_49/detail
- IMDB: Movies & Actors
 - o http://gigapan.com/gigapans/4306
- Others
 - http://gigapan.com/profiles/bh2/gigapans

NOTE: I am not a Scrum Expert

SCRUM FRAMEWORK



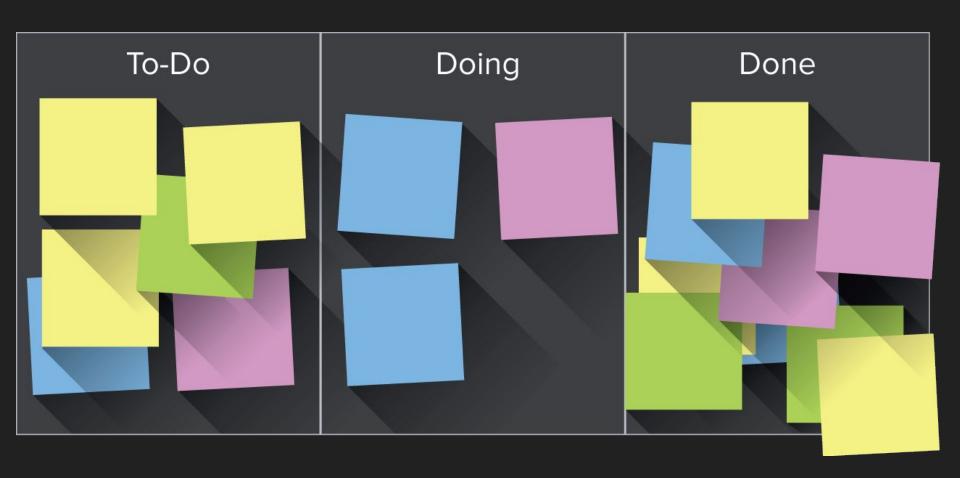




THREE MAIN SCRUM ROLES







Scrum Task Board Template

Company name

Stories	To Do		In Progress	Testing	Done
This is a sample text. Replace it with your own text.	This is a sample text. Replace it with your own text.	This is a sample text. Replace it with your own text.	This is a sample text.	This is a sample text.	This is a sample text. Replace it with your own text.
	This is a sample text. Replace it with your own text.	This is a sample text. Replace it with your own text.	sample text. This is a sample text.	sample text. This is a sample text.	This is a sample text. Replace it with your own text.
This is a sample text. Replace it with your own text.	This is a sample text. This is a sample text.	This is a sample text. This is a sample text.	This is a sample text. This is a sample text. Replace it with your own.	This is a sample text. This is a sample text.	This is a sample text. Replace it with your own text.

How does this apply to Visualization?

- It's a good way to structure software projects
- Focuses on actual needs of actual users to frame development
- Allows for iterative development
- Deliverables early on helps to steer the visualization to better outcomes

Sample Visualization Projects

- HSD (Health System Dynamics)
 - https://github.com/cns-iu/hsd/projects/1
 - https://github.com/cns-iu/hsd/projects/5
 - https://cns-iu.github.io/hsd/
- AISL (Advancing Informal STEM Learning)
 - https://github.com/cns-iu/aisl/projects/2
 - https://github.com/cns-iu/aisl/projects/6
 - https://cns-iu.github.io/xmacroscope/

Questions / Comments?