

SAGE2 Training Outline

(last updated 7/30/2019)

This outlines a “curriculum” to follow for a data visualization/CyberCANOE/SAGE2 training session from 3 hours up to a full day. Sections can be expanded or omitted as time permits. The overall aim is to have an interactive session that provides attendees with experience on using SAGE2.

Requirements: tiled display wall or projector, PC with SAGE2 installed, publicly accessible network connection. Attendees should bring their laptop with the Chrome browser installed.

- 1) Introductions and overview of training session
- 2) Self-introduction of all attendees
- 3) Introduction to immersive visualization and analytics
 - a) Highlight challenges facing domain scientists
 - b) Outline current technologies
 - c) Applied research examples as drivers
- 4) Introduction to data visualization
 - a) You have data now what do you do with it?
 - b) Basic example and some simple tips
- 5) Introduction to CyberCANOE hardware, SAGE2 middleware, and usage scenarios
 - a) SAGE2 functionality
 - b) Presentation
 - c) Brainstorming
 - d) Classroom
 - e) Data exploration
 - i) SAGE RDI
 - ii) MedThaiSAGE
 - iii) LandSAGE
 - iv) PolicySAGE
 - v) Any current prototypes...
- 6) Hands-on training session - brainstorm exercise
 - a) Problem “Help me to find a restaurant in <insert city name here>”
 - i) Use post-it notes to find out what kinds of food to eat
 - (1) Categorize and decide
 - ii) Use post-it notes to recommend restaurants
 - (1) Count number of recommendations and rank
 - iii) Use webview to get restaurant reviews, videos, etc.
 - (1) Can go back to post-its and reassess
 - iv) Use Google maps to identify locations
 - (1) Close or far from hotel
 - (2) Walk or public transport
- 7) Hands-on training session - data viz exercise (from Nan)

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