Data Science Holodeck Workshop Feedback

Please, tick off any of the sentences listed in the following three sections, if you find that what it says is TRUE.

Add more options to each of the sections, if you like.

What is your current experience with data and AI?

A note on terminology: AI is a general term involving various technologies that enable automation of certain operations with such a computer-generated result that is indistinguishable from human-produced results.
Data Science includes AI methods and tools. Machine learning (ML), as well as natural language processing and understanding (NLP/NLU) are parts of AI.

1.

Check all that apply.

- [ ] At my workplace we work a lot with data.
- [ ] I often search and read documents in Internet.
- [ ] Finding a document on my computer takes long time.
- [ ] I would like to have some of my routine work operations with documents automated by AI.
- [ ] I don't trust AI and prefer not to use it for a while.
- [ ] I would like to be on better terms with AI, ML, NLP and similar emerging applications.
- [ ] I don't need to know how AI works, all I need is a list with good instructions of how to use it.
- [ ] At my workplace we already use AI-based technologies.
- [ ] Other: _____

Skip to question 2

How would you estimate the use of knowledge graphs and graph databases?

A note on terminology: A knowledge graph (KG) is a drawing of a network that contains pieces of knowledge (facts, concepts) as nodes*, and their relations as links, also called* edges*. KG represents certain domain, a limited field of human knowledge. Graph databases (GDB) are software applications, responsible for the organization, storage, and maintenance of data in a network-like structure (unlike the relational databases, RDB, which store data in table-like structures).*

2.

Check all that apply.

- [ ] It is a good idea to collect related data from different sources into just one visual graph-like structure.
- [ ] Presenting the related objects in a drawing as a graph is intuitive.
- [ ] Using GDB instead of or together with RDB may require more technical skills.
- [ ] Thinking in graphs stimulates the generation of productive ideas.
- [ ] Interacting with graphs helps remembering the collected data.
- [ ] Graphs enable visual search, noticing patterns and exceptions, and getting insights in real time.
- [ ] GDB can benefit from graph algorithms, such as discovering the central node, the similarity between nodes, the shortest connection between any two nodes,etc
- [ ] There are no obvious advantages of using graphs instead of tables.
- [ ] I would like to give a try or get more experience in dealing with graphs.
- [ ] At my work place we already use graph-based technologies.
- [ ] I would recommend to others to look into graphs as an alternative or complement of other databases.
- [ ] Other: _____

Which features of 3D/VR visualisation of data matter?

A note on terminology: The real objects are 3-dimensional, but projected on a flat computer screen they become 2-dimensional, so part of their features get lost. Pseudo 3D visualisation enables simulation of real dimensionality and makes the otherwise lost features visible. The virtual reality (VR) enable full-featured simulation of virtual objects.

3.

Check all that apply.

- [ ] Presenting the data by visual metaphors, such as balloons, bars, and similar objects is cool.
- [ ] I like the view, it's amazing.
- [ ] It is a quite unique way to see and better understand my data.
- [ ] Physical interaction with the virtual objects is a valuable feature.
- [ ] Being able to use my voice, face expressions, hand gestures, and other human-like communication modalities would be great addition.
- [ ] Communication with colleagues inside VR would be of a great use.
- [ ] Headset creates physical discomfort.
- [ ] The controllers (handsets) are unintuitive
- [ ] I don't see much benefit in VR, except for the entertaining.
- [ ] I wouldn't like to work in VR for more than 10-15 minutes.
- [ ] Getting direction and instructions inside VR would be of great help.
- [ ] Inside VR I feel isolated from destructions, which helps me to concentrate.
- [ ] Inside VR I feel isolated from the others, which disturbs my concentration.
- [ ] The VR objects, which I saw at the workshop were too big.
- [ ] The objects in the VR scene should be in a size that compares to a human size.
- [ ] The VR space demonstrated at the workshop was too large.
- [ ] A simulation of a business office in VR would seem familiar and non-distractive.
- [ ] The natural landscape as a stage for visualizing data works better than the abstract space.
- [ ] Flying over the VR objects is fun and enables seeing and understanding more.
- [ ] The 3D VR experience enhanced my understanding and interest in knowledge graphs.
- [ ] Other: _____

Thank you very much for your contribution

Have a good day!