Master Thesis Topic

A 3D Interface for Multi-dimensional Data Filtering

Objective:
The objective of this thesis is to propose visualization techniques to visualize a large amount of geospatial datasets with semantic attributes.

Description:
The number of open geodata is increasing dramatically in the amount, speed, semantically meaning, and formats. With such big amount data, most of the data portal users are facing the difficulty of hard to find the needed datasets in a short time. Interactive visual interfaces can provide users with the overview and information on demand.

This topic will focus on proposing a novel 3D interface to show the integrated information of various datasets. Users should be able to filter the datasets by location, time, and categories. In addition, the data quality will be reflected on the visualization. The usability of the interface will be evaluated by a user study. This project will use geodata from Jiangsu, China

References:

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