

Abstract

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CREATE INTERACTIVE DATA VISUALIZATION IN PYTHON LEARNING MATERIALS WITH CASE STUDIES INTERACTIVE VISUALIZATION OF GEO-GRAPHICAL DATA.

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(xi+61+appendix)

Data is a record of actual information which can be presented or expressed clearly easily and become useful things for others. However, it is often difficult for people viewing or working with large volumes of raw data to make conclusions or even explain it. For this reason, data is usually presented in the form of graphs, tables, bar charts and so on. This is used to make it easier for readers, because the data is considered communicative, even interactive with the right method.

The research objective is produce an interactive and interesting data visualization. The steps taken consisted of collecting data, sharing data, designing visual data, and implementing data in the form of a visual choropleth map. Choropleth map is a type of thematic map that displays administrative areas using colors according to the desired aggregate with defined boundaries. Thus, it can be said that the use of choropleth maps is considered capable of representing data effectively and also more attractively.

References (2003-2020)