Introduction

Open data is data that can be used and shared by everyone for both commercial and non-commercial purposes. The Estonian Open Data Portal provides an opportunity to access Estonian Open Data to be consumed or visualized. Currently, the visualization tool available on the portal is not consistent, often doesn’t open, or is missing altogether from the options. Additionally, it is outdated, and the user interface and functionalities are based on outdated technologies. To address these issues, a graphical user interface was developed in this bachelor’s thesis, enabling the visualization and analysis of open data.

Goal

The goal of this bachelor’s thesis was to develop a graphical user interface that enables users to visualize and analyze data from a selected dataset effectively. This interface provides a comprehensive standard overview of the dataset, while also offering robust features that allow users to modify the dataset and integrate it with another dataset. Such capabilities facilitate the creation of unique graphs tailored to specific situational needs, enhancing the interpretative and analytical utility of the data presented.