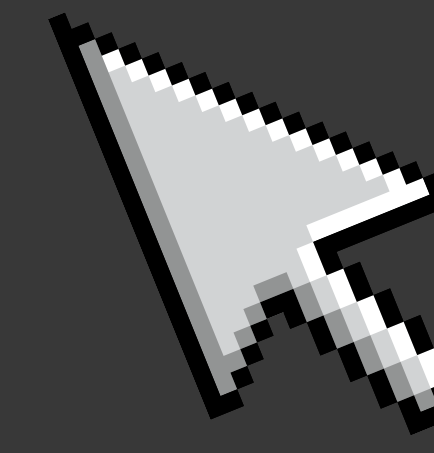


Estonian open data portal data analytics dashboard

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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 Additionally, it is outdated, and the user interface and functionalities are based on outdated technologies.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.

OVERVIEW OF THE RESULT

Loa number	Loa tüüp	Kehitv alatus	Kehitv kuni	Kategooriad	Sisemaasta	Sugr	Taotleja										
0	EVA	JUHILUBA	2020-02	2020-02	0803C1	1,377	M	E-TEENUS	count	682230	682230	682230	682230	682230	682230	682230	
1	EVI	JUHILUBA	2020-03	2020-03	AM0803C1	1,355	M	E-TEENUS	missing	0	0	0	0	0	0	0	
2	EIV	JUHILUBA	2020-09	2020-09	AM0803C1	1,373	M	E-TEENUS	unique	13	2	120	121	597	None	3	21
3	EVA	JUHILUBA	2020-09	2020-09	0803C1	1,357	M	Tarta	sum	None	None	None	None	None	347,506,519	None	None
4	ET9	JUHILUBA	2020-12	2020-12	0801	1,340	N	Saue	top	EIV	JUHILUBA	2022-08	2025-03	0801	None	M	E-TEENUS
5	EVA	JUHILUBA	2020-01	2020-01	0801	1,380	N	E-TEENUS	freq	93178	65381	8050	8493	282815	None	381750	472038
6	EVT	JUHILUBA	2022-01	2022-01	AM0801	1,350	N	E-TEENUS	mean	None	None	None	None	None	1,975,7362	None	None
7	EIV	ESMAHE	2022-08	2022-08	AM0801	2,202	N	E-TEENUS	std	None	None	None	None	None	12,835	None	None
8	EVI	JUHILUBA	2022-07	2022-07	0801	1,376	N	E-TEENUS	min	None	None	None	None	None	1,021	None	None
9	EIV	JUHILUBA	2022-07	2022-07	AM0801	1,388	M	E-TEENUS	25%	None	None	None	None	None	1,064	None	None

Select Modification Function: Aggregate

Select Columns to Aggregate: Total

Enter Name for Aggregated Column:

Aggregate Data

First/current dataset: Loa number

Second dataset: Värbemidussis kiirliiklõud uuringud Eestis

Select Join Type: inner (selected), outer, left, right

Merge Datasets

Set Merged as Current Dataset

Select Index Column for Pivot Table: Loa number

Select Aggregation Function: sum

Generate Pivot Table



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