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Map with Indicators

Topic 4 – Getting the statistics out

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Introduction

The paper describes the process developing a map with indicators about the municipalities. In Denmark there are 98 municipalities. There is municipal government in Denmark. Statistics Denmark collects data about the elderly, disabled people, children and young people and wealth care from the municipalities.

Data has been collected from 2008 onwards. The collected data was available on Statistics Denmark's StatBank. In 2013 a new head of the Government Statistical Service was appointed at Statistics Denmark. Among a range of measures he also wanted that the indicators that were collected from the municipalities to be more visible for the world and more available on Statistics Denmark's website.

This paper will describe the process and demonstrate the output by establishing a map of Denmark with selected relative indicators.

Methods / Problem statement

In the summer 2014 the project to define a website was launched.

The participants will learn about the following and this will be included in the paper:

1. Introduction.
2. Background.
3. The process to define a website.
4. The discussions that we had about where to put the map and the layout of our website.
5. How to manage data, so it can be shown on a map as relative data.
6. What kind of software to use.
7. A demonstration of the map, and how you can use it.
8. Promotion of the web page.

Results / Proposed solution

From a technical perspective, some requirements were considered, when designing the solution.

These requirements included:

- Data should be automatically updated from Statbank Denmark
- Simple and dynamic user interface (mouse-over, zoom, clickable etc.)
- Usable on a mobile device

- Possible to integrate with our CMS (SiteCore) After considering different kinds of software for map and chart presentation, we ended up selecting HighMaps & HighCharts.

We created a page that retrieves data in Json-Stat format via our Statbank API (see <http://api.statbank.dk>) using the 'saved queries' functionality in the Statbank, and present data as maps and charts by use of HighMaps & HighCharts.

This way, data can be updated and managed by content editors without technical assistance. And data are automatically updated on the map, when the Statbank is updated. We integrated this page with our CMS (SiteCore), so that it can be maintained by the same content editors as the rest of the home page.

Conclusions

The process to establish a map involves a lot of different people in the organization that do not normally work together. Use some simple excelsheets to manage the process.

The conclusion is that we do not need to spend a lot of time on complicated tools for project management. According to the motto "Keep It Simple" we wanted a tool to get a quick overview of the progress of the project and work. As long as all in the project group used the tool, it was useful.