

Data science for social impact

Lightning talk

Janko Thyson | 2017-02-21



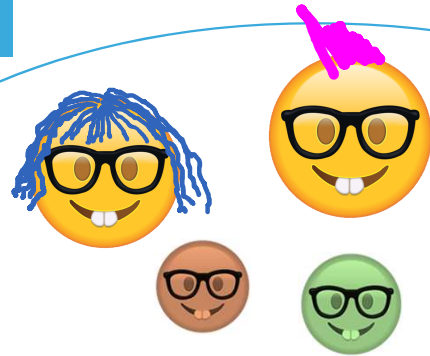
Say whuuuuaat?!

<https://youtu.be/qHhfbSR841Q>



In a nutshell

Classical data science
problems & projects



Data science
cracks & nerds

Classical forms of
social activism



Socially active girls &
dudes



GO
CREATE
+
BUILD
CHANGE!

Actual example



Forecasting Water Demand in California When Every Drop Counts

December 2016



Full article:

<http://bit.ly/2m8peMS>

R shiny app:

<http://54.174.153.171:3838/app/>

Digital CRS on an even larger scale



THE DATA

Flowminder and NCell jointly agreed to study the population flows in post-earthquake situation by recording a location for each user (through SIM cards) at two different times, and then counting the number of users who moved from one location to another.

HOW THE DATA WAS SHARED

Set-up included a high-specification Linux analysis server (with 128GB of RAM and over 20TB of disk space) within Ncell's data centre. The analysis consisted of a series of preprocessing steps automatically run for each new day's Call Detail Record (CDR) data, followed by separate analyses designed to investigate particular aspects of mobility after the earthquake. Each day's CDRs were provided by early morning the following day and historical data back to January 2015 were also provided. The preprocessing steps were designed to reduce this raw CDR data (approximately 12GB of CSV files per day).

Full article:

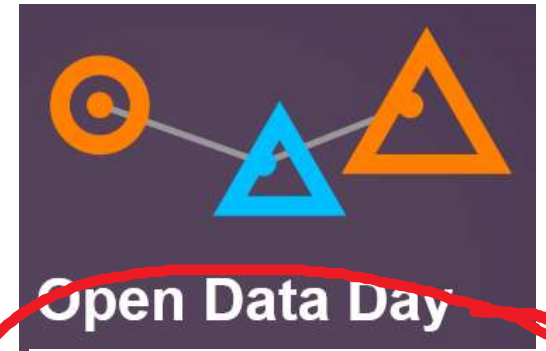
<http://bit.ly/2lNr5Km>

Stuff that's already going on

DataKind



CorrelAid. clubkinder



Hamburg, 2017-03-04
<http://de.opendataday.org/>

