

Synthetic Data

A tool to enhance open science practices

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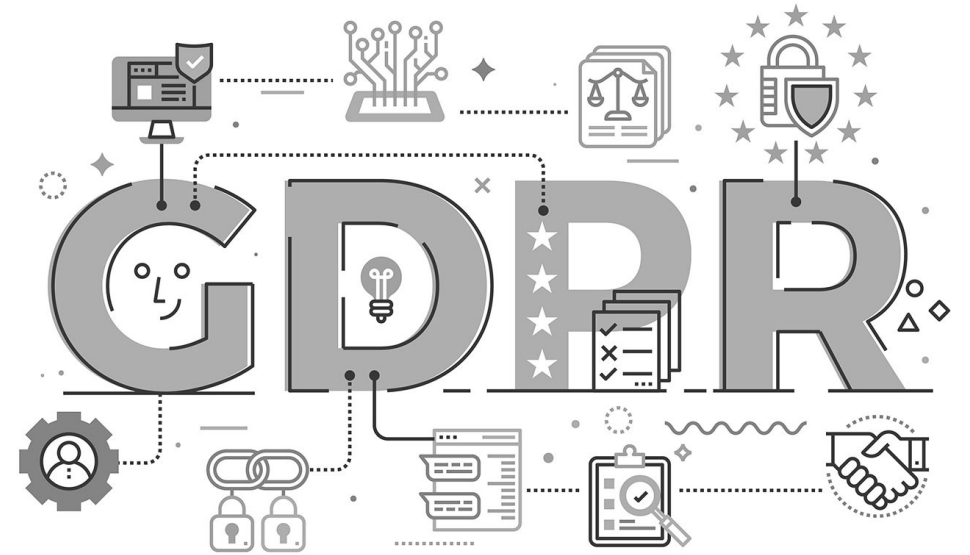
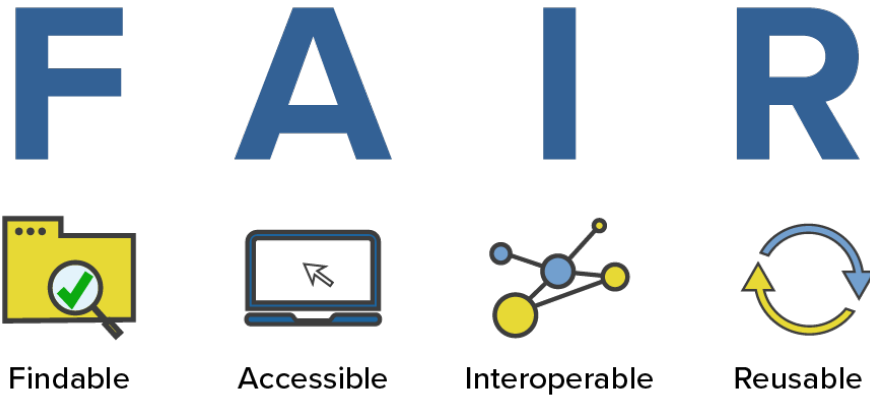
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Jim Achterberg (LUMC)

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Marieke Liem (ISGA)

Project SENSYN

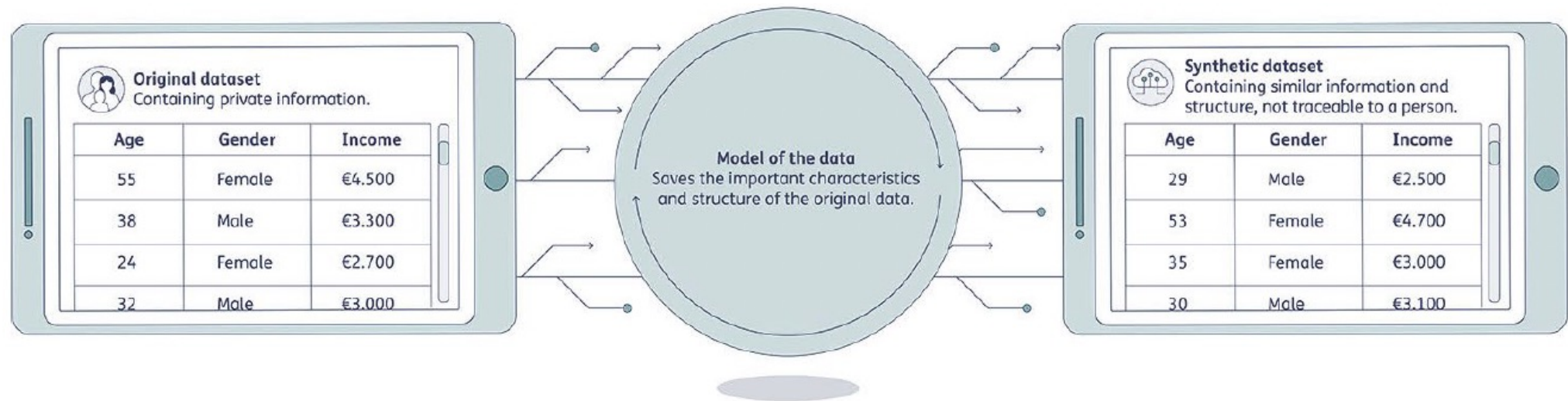


What to do with highly sensitive, detailed individual data?

Synthetic Data

Artificially manufactured data

Digital Twin > characteristics & specific parameters of original data are similar



TNO (2024)

Synthetic Data

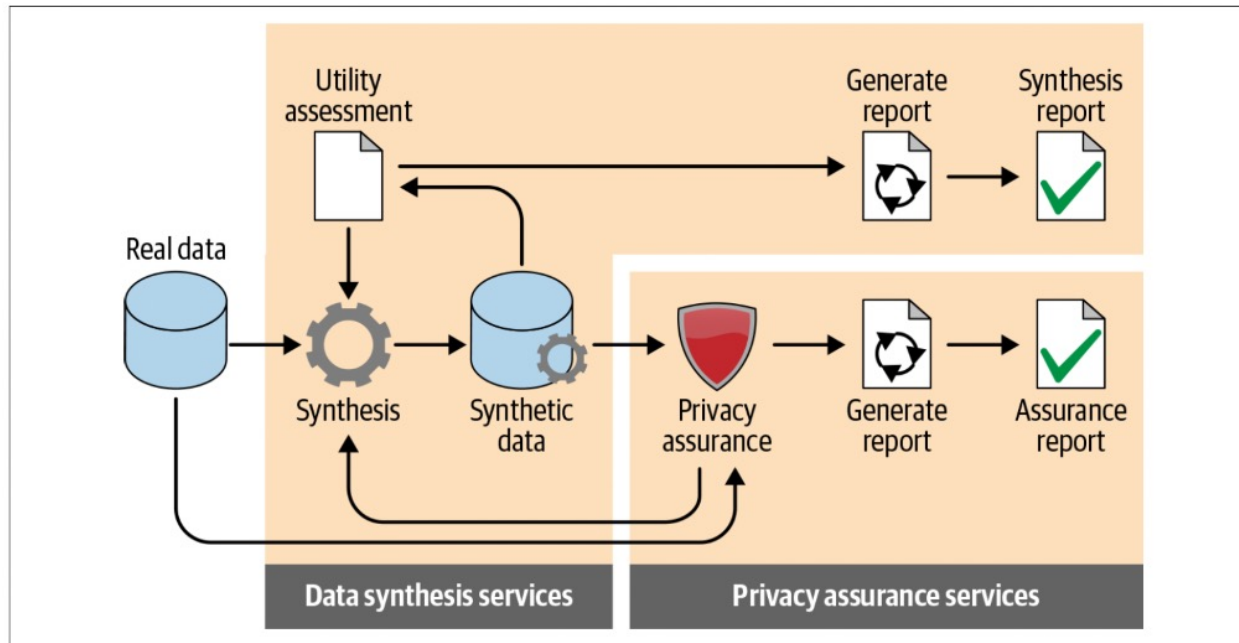


Figure 2-14. The overall data synthesis process³

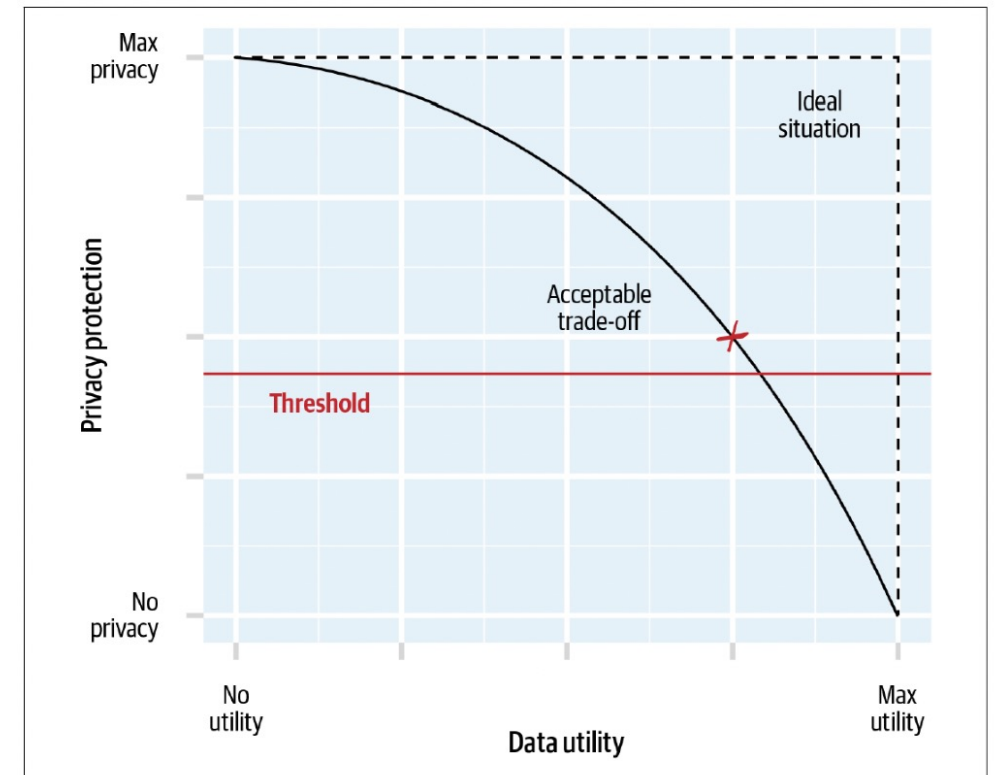


Figure 2-3. The optimal point along the curve is just above the threshold

El Emam (2020)

Project SENSYN - Outcomes

Finding alternative ways to make data FAIR

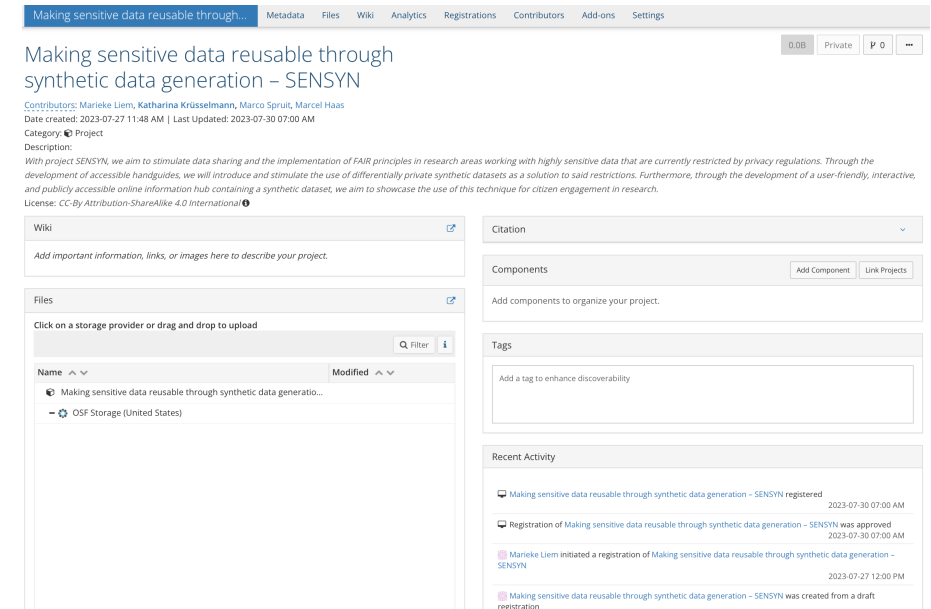
Guidelines for the use of synthetic data

- How-to's: which methods fit which type of data & purpose
- Advantages & challenges
- accessible

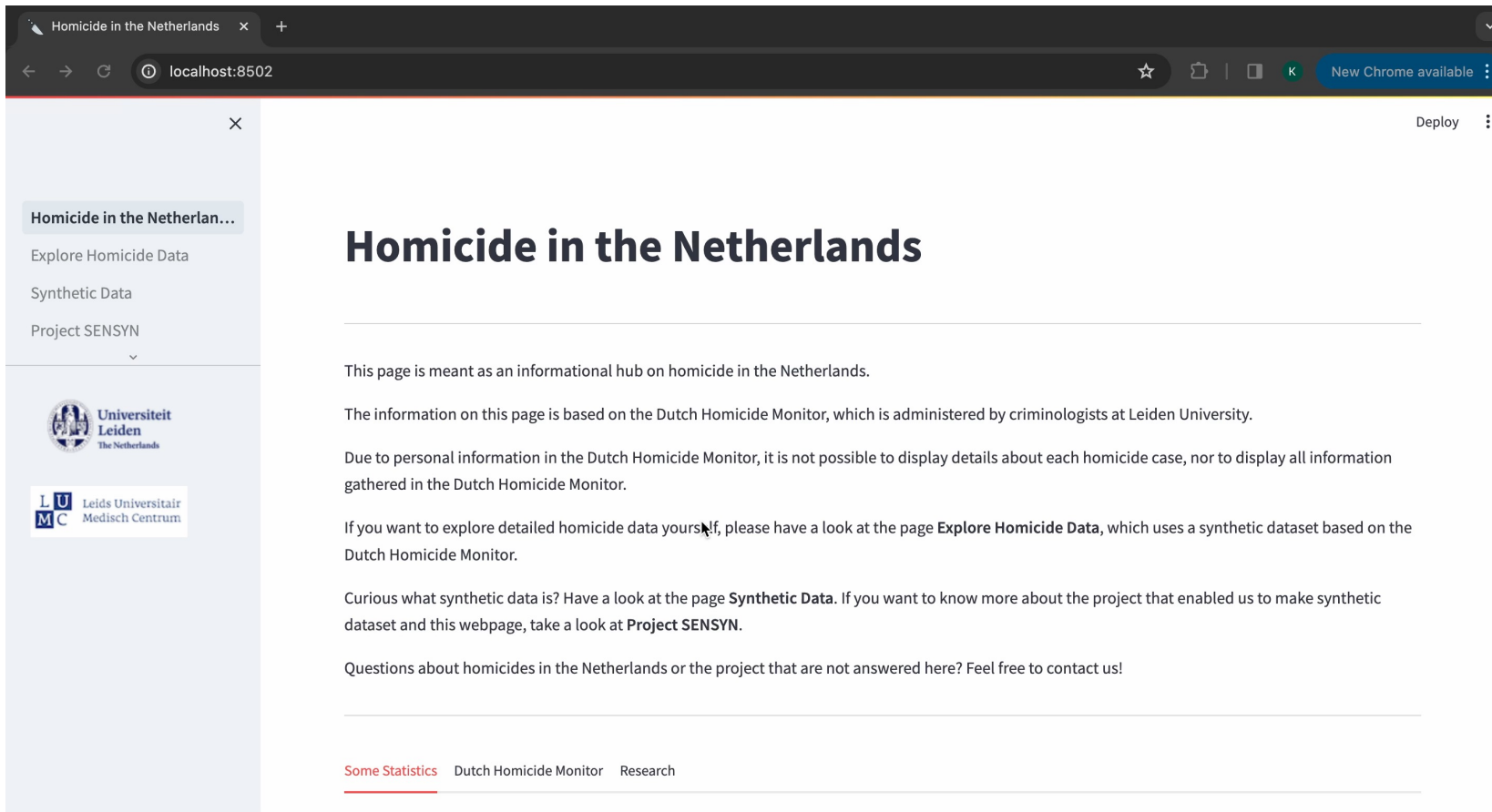
Proof-of-concept

- Interactive platform (targeted at non-academic audiences) with synthetic data based on Dutch Homicide Monitor

Webinars



Demonstration FAIR synthetic data



Homicide in the Netherlands

Explore Homicide Data

Synthetic Data

Project SENSYN

Homicide in the Netherlands

This page is meant as an informational hub on homicide in the Netherlands.

The information on this page is based on the Dutch Homicide Monitor, which is administered by criminologists at Leiden University.

Due to personal information in the Dutch Homicide Monitor, it is not possible to display details about each homicide case, nor to display all information gathered in the Dutch Homicide Monitor.

If you want to explore detailed homicide data yourself, please have a look at the page **Explore Homicide Data**, which uses a synthetic dataset based on the Dutch Homicide Monitor.

Curious what synthetic data is? Have a look at the page **Synthetic Data**. If you want to know more about the project that enabled us to make synthetic dataset and this webpage, take a look at **Project SENSYN**.

Questions about homicides in the Netherlands or the project that are not answered here? Feel free to contact us!

[Some Statistics](#) [Dutch Homicide Monitor](#) [Research](#)

OSF > Sensyn @KKrusselmann

Open Science Fund

The Open Science Fund aims to support projects specifically designed to implement and stimulate open science practices. With this funding instrument, NWO takes a step forward towards changing the way academics are recognised and rewarded in the Netherlands.

Purpose and objectives

NWO wants to stimulate open science by incentivizing and rewarding researchers from all disciplines who are or would like to be at the forefront of this movement.

Particularly encouraged are projects that:

- improve how good open science practice is recognised and rewarded;
- transform the way researchers publish;
- develop or adapt interoperability standards;
- develop, test or adapt open platforms or tools for wider community use;
- stimulate wider adoption of open science practices among researchers;
- further the adoption of citizen science approaches



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