Wellness index

Wellness Index service helps you to make objective data-based decisions regarding health and wellbeing by quantifying and visualising an individual's health status based on their personal parameters. The Wellness Index cloud service is based on healthcare decision support algorithms developed at VTT.The algorithms used are protected with US and EU patents and have been reported and validated in clinical decision support related to e.g. Alzheimer's disease and traumatic brain injury. Recently, VTT has expanded its application area to cover also wellbeing and lifestyle related quantifications.

Explore prebuilt models

The Wellness Index service contains a collection of prebuilt index calculation models for demonstration purposes (e.g. quantification of diabetes risk and work ability risk). These give you a quick introduction to the method and enable you to start designing your own.

Build your own exclusive models

Let us help you define your own models, tailored to your data inputs and outcome targets. We can help you identify relevant outcome targets in your data, conduct an exploratory study on the potential inputs to include into the model, or we can help you plan a data collection for new data needed for the model. The data used in the model building is never stored in our servers and the service can handle the training data in de-identified format.

Utilise the models

Once your own exclusive model is available, you can query the model by providing individual's personal health data in de-identified format. The Wellness Index service will provide you with a quantification of the individual's health status (e.g. risk quantification) and an intuitive representation and reproducible logic of how the quantification was obtained.

Simple uptake and use

The Wellness Index API allows your applications to interact with the Wellness Index decision support algorithms. The API allows for most of the read and write methods that you will need to support your application. The Wellness Index cloud service with a RESTful API and JSON/XML is available 24/7 on the internet with a customer specific authentication key. The service is hosted on a European cloud server and is compliant with the forthcoming European Data Protection Regulation (GDPR). All communication with the service is encrypted.

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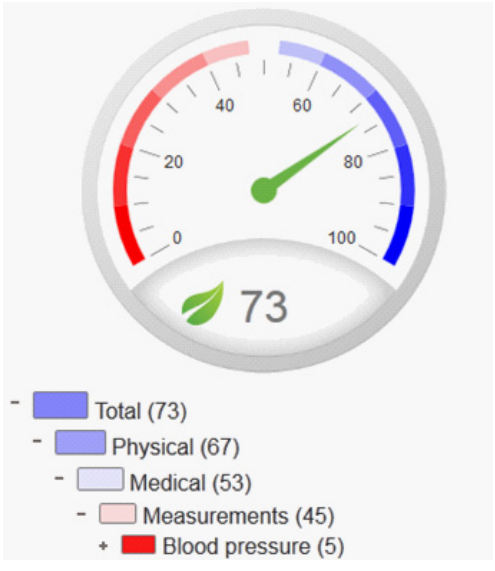
BENEFITS

- Fully transparent and validated machine learning algorithm
- Customisable to customer data
- Able to analyse heterogeneous and incomplete data
- Easy uptake through a REST API
- GDPR compliant privacy policy



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VTT is a visionary research, development and innovation partner. We drive sustainable growth and tackle the biggest global challenges of our time and turn them into growth opportunities. We go beyond the obvious to help the society and companies to grow through technological innovations. VTT is at the sweet spot where innovation and business come together.

Get in touch with us:

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