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Software Engineering

Evidencio

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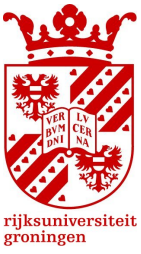

1 Introduction

Evidencio is an open library that holds quality-controlled medical prediction models and is continuously growing. These prediction models can be used to translate results from clinical studies towards patient-specific probabilities, therewith supporting medical decision-making for individual patients. These models are used by medical professionals to aid the prognosis of a medical condition and treatment for individual patients.

As of now its user-base consists only of medical professionals, and our goal of this project is to design a front-end platform for patients. To represent Evidencio calculated models to patients in a friendly and understandable way. Patients should be able to see specific Evidencio probability models, calculated on their medical conditions.

2 Major Features

1. Present data as a webpage
2. Patient registration
3. Patient log-in
4. Graphical representation of the data
5. Connecting the docter-made prognosys with the specific patient
6. Communicates with Evidencio API
7. Relies on Evidencio models for predictive models

3 Functional Requirements

3.1 Critical

1. Present the data as a webpage
2. Patient registration
3. Patient log-in
4. Graphical representation of the data
5. Connecting the docter-made prognosys with the specific patient

3.2 Important

3.3 Useful

1. Creating an app for the patient front-end

4 Non-Functional Requirements

1. Communication should be secure (i.e. the patients' privacy must be guaranteed)
2. User friendly
3. Usability
4. Speed
5. Availability

5 Won't Do

1. Support integrating with other systems commonly used by clinicians

6 Meeting Log