Automated Data Extraction Software for Medical Summary Using Text Mining (T-Library)

Tomohide Yamada[1], Yoshinobu Kondo [2], Ryo Momosaki [3]

[1] Department of Diabetes and Metabolic Diseases, University of Tokyo, Japan
[2] Department of Endocrinology and Diabetes, Yokohama City University Medical Center, Yokohama, Japan
[3] Department of Rehabilitation Medicine, Teikyo University School of Medicine, Mizonokuchi, Japan.

Corresponding Author: Tomohide Yamada[1] 7-3-1, Hongo, Bunkyo-ku, Tokyo, Japan Email address: bqx07367@yahoo.co.jp

Abstract

The electronic medical record (EMR) is a source of clinical information and is used for clinical research. Clinical researchers leverage this information by employing staffs to manually extracting data from the unstructured text. This process can be both error-prone and labor-intensive.

This software (T-Library) is a software which automatically extracts key clinical data from patient records and can potentially help healthcare providers and researchers save money, make treatment decisions and manage clinical trials.

This software saves labor for data transcription in clinical research. This is a vital step toward getting researchers rapid access to the information they need. This is also the attempt to cluster patients' morbid states and establish accurate and constantly updated risk engine of complications' crises, using deep learning.

Strengths: 1) Quick and Easy operation

URL: http://www.picoron.com/tlibrary/