Special Issue

Machine Learning Models in Diagnosis and Treatment of Diabetes

Message from the Guest Editor

Machine learning models can be used to develop predictive tools for diabetes diagnosis, risk stratification, and personalized treatment. These models can analyze patient data, such as medical history, blood glucose levels, and genetic information, to identify risk factors and predict the likelihood of an individual developing diabetes. Overall, the use of machine learning models in the diagnosis and treatment of diabetes has the potential to improve patient outcomes and reduce healthcare costs by enabling more accurate and personalized care.

This Special Issue will explore, but is not restricted to, the following topics:
(i). Diabetics data collection;
(ii). Data preprocessing techniques for machine learning models (MLMs) in diabetes diagnosis and treatment;
(iii). MLMs' application in predicting an individual's risk of developing diabetes;
(iv). Detection and diagnosis of diabetes by using MLMs;
(v). Early diagnosis of diabetics;
(vi). Personalized diabetes management using MLMs;
(vii). Predictive models for the onset and progression of diabetes;
(viii). Insulin dose prediction and glucose control using ML models;
etc.

Guest Editor

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Deadline for manuscript submissions

closed (31 December 2023)

Diagnostics

an Open Access Journal by MDPI

Impact Factor 3.3
CiteScore 5.9
Indexed in PubMed

mdpi.com/si/164208

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Editor-in-Chief

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