Exploring Drivers for diabetes in the US: A data mining approach

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Abstract:

Diabetes Mellitus is one of the most prevalent chronic disease conditions in the United states. However, type-II diabetes mellitus (T2DM) is often encounters factors that can preemptively addressed through behavioral change. This research aims to 1) identify new factors associated with the onsets of the disease 2) Analyze the role of Data mining models in classifying the probability of having disease. Data mining models can provide the plausible support in the decision-making process by the physicians and can server as second opinion. The preliminary results show an encouraging accuracy rate of 91%.