**Clinical Problem** - Diabetes

**Clinical Q-** In an obese adult diabetic patients 18-65 years old, will a structured exercise regimen and dietary plan, Versus no structured exercise or dietary plan reduce HAIC within 12 weeks.?

**Applicable Data Mining Techniques**

1. Pattern Tracking

It is a champion among the most basic frameworks in data mining is making sense of how to see plans in your data sets. This is typically an affirmation of some aberration in your data happening at standard between times, or errors of a particular variable after some time.

2. Classification

Classification is an undeniably staggering data mining strategy that forces you to assemble various qualities into noticeable classes, which you would then have the capacity to use to achieve further judgments, or serve some limit.

3. Regression

It is used basically as a sort of masterminding and showing, is used to recognize the likelihood of a particular variable, given the closeness of various variables. For example, you could use it to broaden a particular expense, in light of various segments like availability, client solicitation, and competition. Even more expressly, regression's essential accentuation is to empower you to uncover the precise association between (no less than two) variables in a given data set.

4. Prediction

It is a champion among the most imperative data mining procedures, since it's used to broaden the sorts of data you'll discover later on. All things considered, just seeing and understanding bona fide examples is adequate to diagram a somewhat exact prediction of what will happen later on. For example, you may review customers' records of advance reimbursement and past purchases to predict whether they'll be a credit chance later on.

**References**

Raghupathi, W. (2016). Data mining in healthcare. *Healthcare Informatics: Improving Efficiency through Technology, Analytics, and Management*, 353-372.

Jothi, N., & Husain, W. (2015). Data mining in healthcare–a review. *Procedia computer science*, *72*, 306-313.