

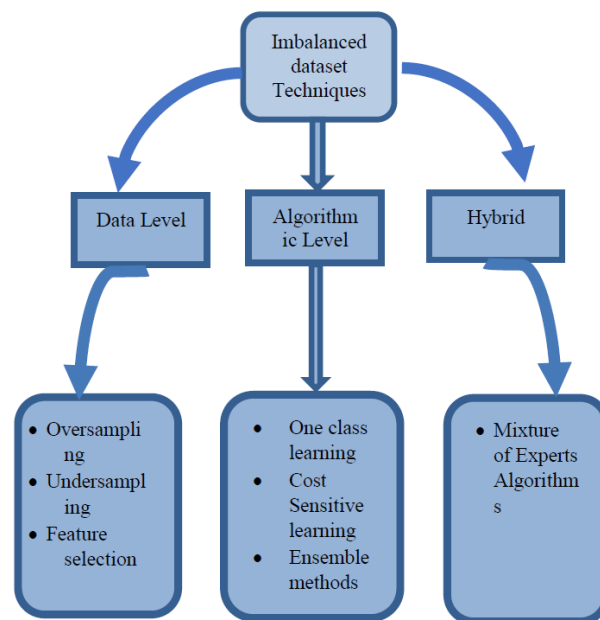
## A Re-Balancing Strategy for Class-Imbalanced Classification Based on Instance Difficulty

One method used for balancing data set is to give high-weight on minority classes (the one has low number of data) and low-weight on minority classes (the one has large number of data). By reducing the weights of the majority classes, such instances would become more difficult to learn and hurt the overall performance consequently. The method used in this paper is to re-samples the data according to the instance difficulty model by assigning higher weights to difficult instances.

Reference: <https://ieeexplore.ieee.org/document/9879871>

## A Review on Handling Imbalanced Data

This paper explains different methods used for balancing an imbalanced data. Below figure show the methods that are explained here.



Reference: <https://ieeexplore.ieee.org/document/8551020>