Hybrid Harmony Search Algorithm to Solve the Feature Selection for Data Mining Applications

Laith Mohammad Abualigah, Mofleh Al-diabat, Mohammad Al Shinwan, Khaldoon Dhou, Bisan Alsalibi, Essam Said Hanandeh, Mohammad Shehab

Text clustering is employed in several domains like text mining, data processing, pattern recognition, image clustering. The vector house model may be a mutual arrangement pattern utilized in the text field to simplify a document's parts as an array. This chapter shows the methodology of the projected hybrid feature section technique supported by the harmony search rule for the text agglomeration method. The harmony search rule produces irregular harmony memory, which contains a collection of candidate solutions. The chapter demonstrates the steps of the content cluster method after making a fresh set of choices by changing the concordance look algorithmic program to improve the content cluster procedure, improve the k-mean algorithmic program, and update the cluster centers of mass and similarity. The anticipated k-means content agglomeration with the highlight choice method was better than the k-means content agglomeration strategy.