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## Classification of monthly mean wind speed using MND and Hierarchical Clustering Algorithms

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Clustering of the monthly mean wind speed is very important in planning and operating the wind energy centrals. The aim of this study is to investigate whether the same months for each year can be clustered each other or not for Diyarbakı r city. For this aim the data of monthly mean wind speed depends on hourly mean wind speed measured for six years in Diyarbakı r have been used. Hierarchical clustering algorithm has been used for clustering. The similarity critrion depends on mutual neighbor distance (MND) algorithm. As a result, according to the monthly mean wind speed in Diyarbakı r, 72 months (for six years) have been clustered in different stages.