Playing with k-NN - Homework 1 Report

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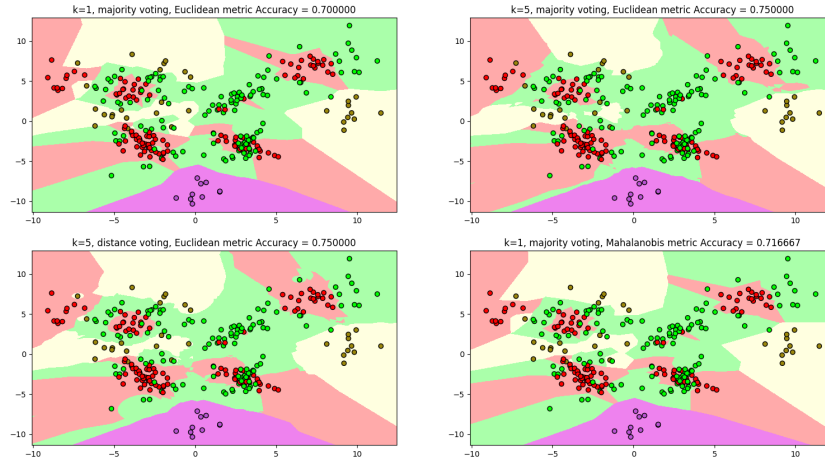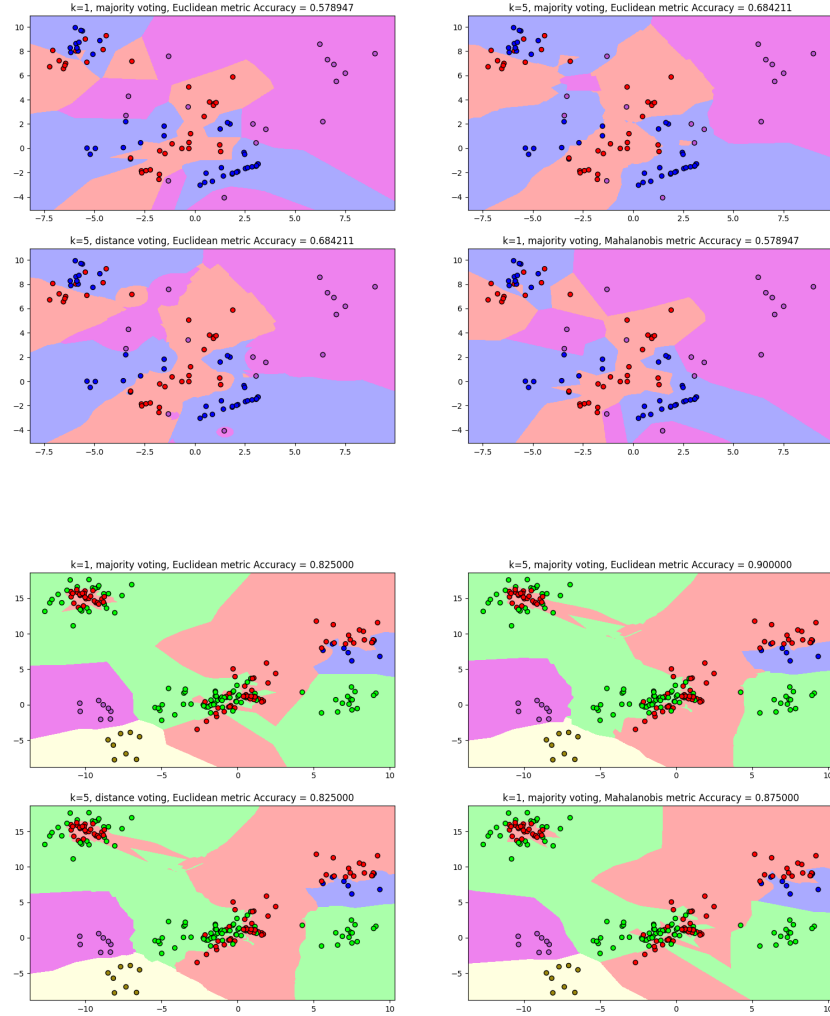
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Data generation

Data is generated using sklearn's data generation functions, for faster processing and harder classification, relatively low number of samples are generated. Also, noise is added to dataset.

Results

Result can be seen as follows

Therefore, it can be said that, k-NN method works relatively good, but its computation cost for huge dataset is an important drawback.