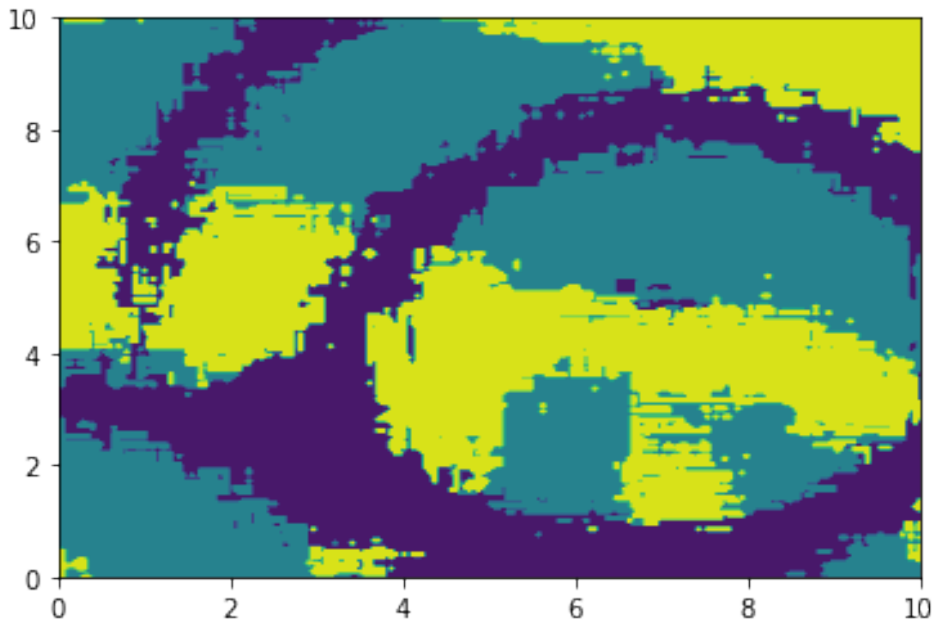


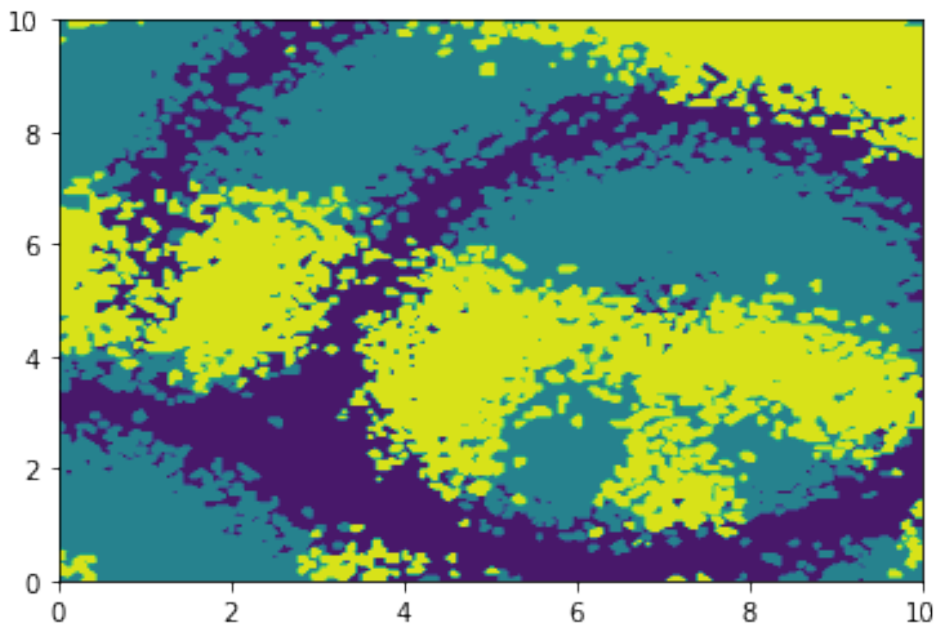
JC8818

A. Three voltage classes (to 2dp): [7.12 7.71], [3.19 1.91], [2.89 6.40]

B.



C.



D. (1). Random decisions trees is better a it produces more distinct and clear decision boundaries and shows high variance when compared to 1-Nearest-neighbours which shows high bias.

(2). For continuous outputs, linear regression could be used instead (and neural networks if very non-linear). This could not be used for classification as it models the continuous relationship between input and output rather than distinguishing between output classes with decision boundaries.