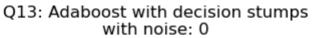
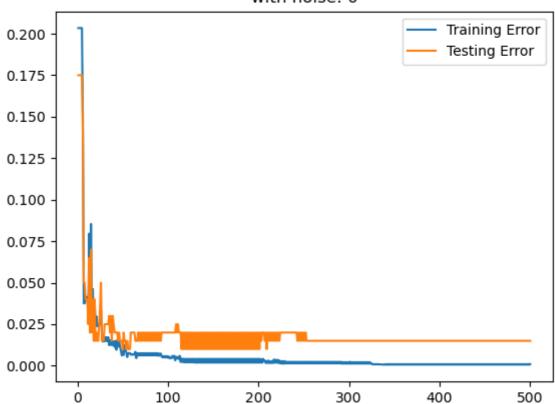
Code questions:

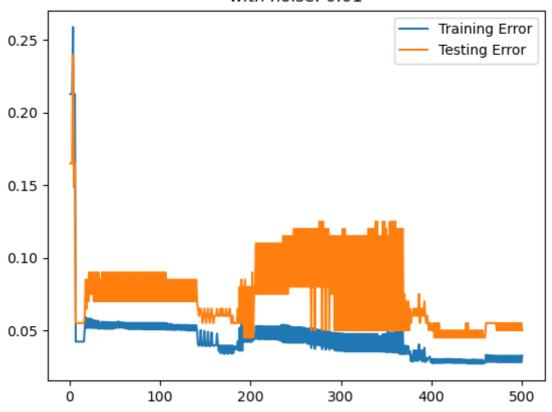
Q13

noise=0

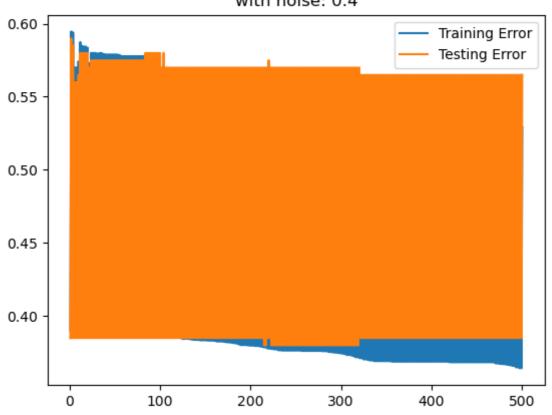




Q13: Adaboost with decision stumps with noise: 0.01



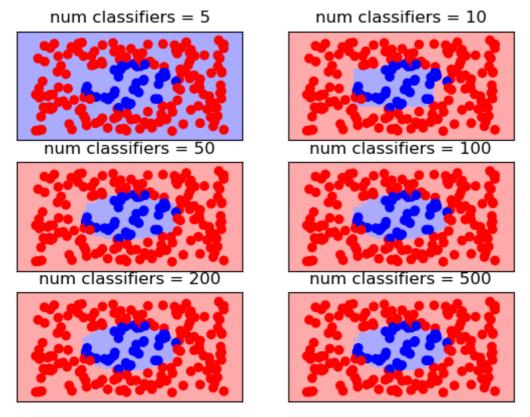
Q13: Adaboost with decision stumps with noise: 0.4



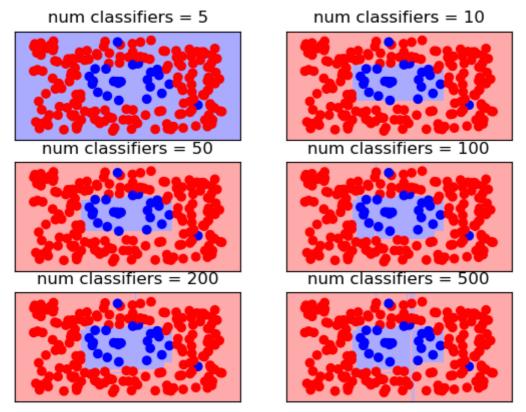
Q14

noise=0

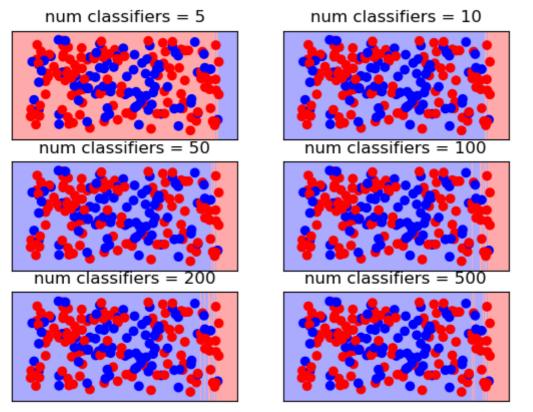
Q14: decisions of learned qualifiers with no noise and increasing Tsj



Q14: decisions of learned qualifiers with noise: 0.01, and increasing Ts



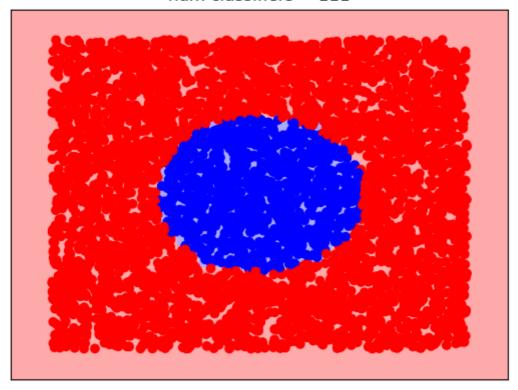
Q14: decisions of learned qualifiers with noise: 0.4, and increasing Ts



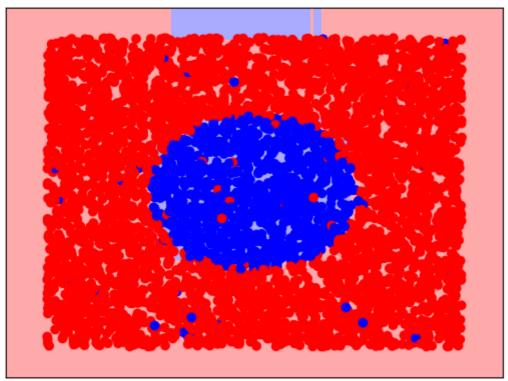
Q15

noise=0

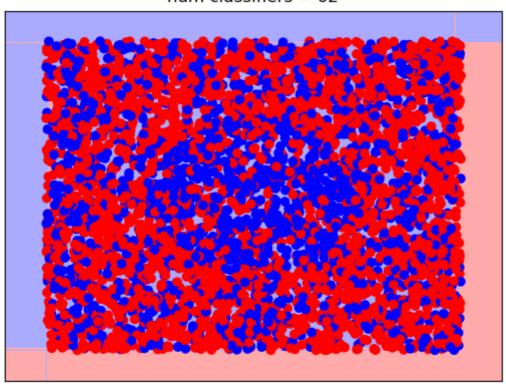
Q15: T that minimizes error: 111, Error: 0.015 num classifiers = 111



Q15: T that minimizes error: 51, Error: 0.03, noise: 0.01 num classifiers = 51



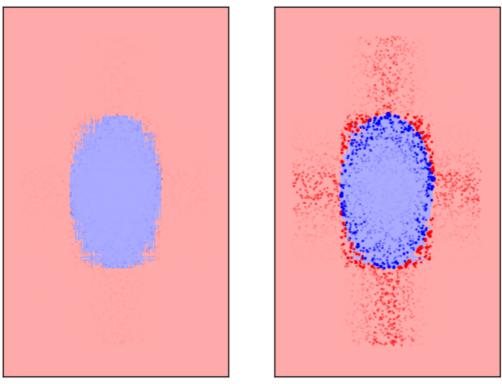
Q15: T that minimizes error: 62, Error: 0.4, noise: 0.4 num classifiers = 62



Q16

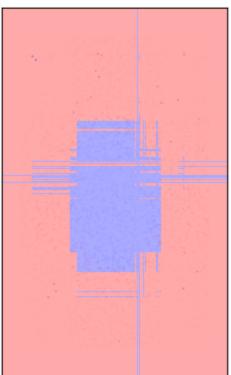
noise=0

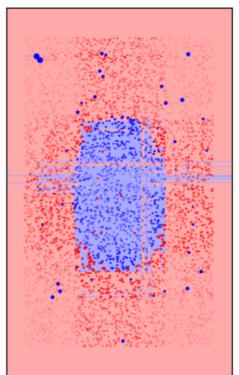
Q16: Training a set of size proportional to its weight with noise: 0 right - not normalized, left normalized num classifiers = 500 num classifiers = 500



We can see that the points that have greater influence on the outcome in terms of weight, are those that are close to the boundary. This means that it is harder to classify them.

Q16: Training a set of size proportional to its weight with noise: 0.01 right - not normalized, left normalized num classifiers = 500 num classifiers = 500





Q16: Training a set of size proportional to its weight with noise: 0.4 right - not normalized, left normalized num classifiers = 500 num classifiers = 500

