Email is a common communication technology in modern life. The more emails we receive the more difficult and require time to sort. one solution to overcome this problem is by creating a mathematical model using machine learning to sort email based on certain contexts. Each type of machine learning and data distribution results in different performance. Ensemble is a method for combining several models into a single unit to get better performance. then in our study we tried to combine the learning model, sampling and some class data to get bagging and voting participation on the average macro performance of the f1 score of an ensemble model and compare it with the non-ensemble model. The results of this study indicate the sensitivity of Naïve Bayes to unbalanced data helped by bagging and voting with delta performance beetween 0.0001-0.0018, logistic regression increases the relatively low performance for bagging and voting with delta performance beetween 0.0001-0.00015, and the voting decision tree has the performance paid for by Naïve Bayes with delta performance -0.01.