[*Ruano et al.*, 2014] talks about building MLP and SVM method to classify seismic signals. They use sliding window to extract features from one station, and train a MLP and SVM method to classify different signals. For the SVM, they use an active learning method to retrain on the mis-classified results, and achieved better results. Besides, they also train a model with shorter time window which can be applied to EEW. Overall, it is a paper overlays the correct procedure to do signal classification. But a few things not correctly or clearly stated, for example, for the imbalanced dataset, how they deal with it.