

> table(test[,6251], predictions)

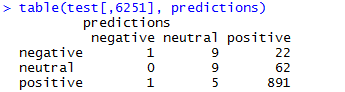
predictions

negative neutral positive

negative 1 9 22

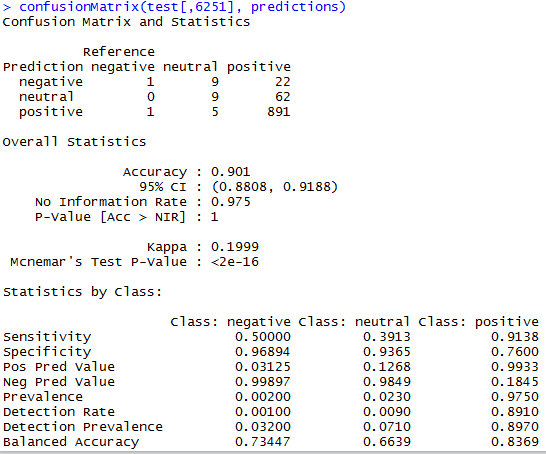
neutral 0 9 62

positive 1 5 891



4551 157 292

P Neg Neu



* A **Support Vector Machine** (**SVM**) is a discriminative classifier formally defined by a separating **hyperplane**. In other words, given labeled training data (supervised learning), the algorithm outputs an optimal hyperplane which categorizes new examples.
* **Applications**: text categorization, image classification, bioinformatics, hand-written character recognition.
* **Limitations:** Sensitive to Noise, Choice of Kernel, Speed and Size of Train and Test
* **Future Directions:** Try more range for tuning the kernel.

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