|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | blues | classical | country | disco | hiphop | jazz | metal | pop | reggae | rock |
| blues | **9** | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 |
| classical | 0 | **14** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| country | 2 | 0 | **10** | 1 | 0 | 0 | 0 | 1 | 1 | 1 |
| disco | 0 | 0 | 0 | **12** | 0 | 0 | 1 | 3 | 2 | 1 |
| hiphop | 0 | 0 | 0 | 0 | **10** | 0 | 0 | 0 | 1 | 0 |
| jazz | 0 | 1 | 0 | 0 | 0 | **14** | 0 | 0 | 0 | 0 |
| metal | 0 | 0 | 1 | 1 | 0 | 1 | **14** | 0 | 0 | 1 |
| pop | 1 | 0 | 0 | 0 | 1 | 0 | 0 | **10** | 0 | 1 |
| reggae | 0 | 0 | 0 | 1 | 3 | 0 | 0 | 0 | **9** | 1 |
| rock | 3 | 0 | 4 | 0 | 0 | 0 | 0 | 1 | 1 | **10** |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | K-Nearest Neighbours | | | Naïve Bayes | | | SVM | | | Weighted Majority Algorithm | | |
|  | Sensitivity | Specificity | AUR | Sensitivity | Specificity | AUR | Sensitivity | Specificity | AUR | Sensitivity | Specificity | AUR |
| blues | 0.66 | 0.97 | 0.815 | 0.33 | 0.94 | 0.872 | 0.53 | 0.97 | 0.952 | 0.60 | 0.98 | 0.947 |
| classical | 0.93 | 0.99 | 0.999 | 0.80 | 0.97 | 0.98 | 0.93 | 1.0 | 0.999 | 0.93 | 1.0 | 0.999 |
| country | 0.80 | 0.95 | 0.933 | 0.40 | 0.97 | 0.942 | 0.80 | 0.94 | 0.966 | 0.66 | 0.95 | 0.975 |
| disco | 0.80 | 0.94 | 0.952 | 0.40 | 0.95 | 0.885 | 0.73 | 0.92 | 0.924 | 0.80 | 0.94 | 0.966 |
| hiphop | 0.60 | 0.98 | 0.839 | 0.66 | 0.972 | 0.91 | 0.80 | 0.96 | 0.958 | 0.66 | 0.99 | 0.957 |
| jazz | 0.86 | 0.99 | 0.997 | 0.60 | 0.95 | 0.918 | 0.80 | 0.99 | 0.967 | 0.93 | 0.99 | 0.989 |
| metal | 0.93 | 1.0 | 0.962 | 0.86 | 0.92 | 0.972 | 0.86 | 0.97 | 0.991 | 0.93 | 0.97 | 0.999 |
| pop | 0.73 | 0.97 | 0.904 | 0.40 | 0.98 | 0.897 | 0.53 | 0.98 | 0.898 | 0.66 | 0.97 | 0.983 |
| reggae | 0.66 | 0.96 | 0.846 | 0.53 | 0.95 | 0.885 | 0.46 | 0.96 | 0.826 | 0.60 | 0.96 | 0.879 |
| rock | 0.60 | 0.94 | 0.909 | 0.53 | 0.86 | 0.755 | 0.53 | 0.94 | 0.865 | 0.66 | 0.93 | 0.907 |

