|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Exp | # dim | Centroid | Flux | RMS | MFCC | MFCC Coeffs | Rolloff | Chroma | Kurtosis | Median K-fold validation | Insight |
| 1 | 23 | 1 | 1 | 1 | 1 | 20 |  |  |  | 0.4382 | Baseline model |
| 2 | 75 |  |  |  | 5 | 15 (x5) |  |  |  | 0.4020 | Higher dims with just one type of feature performs well above random |
| 3 | 1 |  |  |  |  |  |  |  | 1 | 0.1314 | MFCC performs the best by itself – perhaps because of the number of dimensions used |
| 4 | 1 |  |  |  |  |  | 1 |  |  | 0.1873 |
| 5 | 12 |  |  |  |  |  |  | 1 |  | 0.2417 |
| 6 | 20 |  |  |  | 1 | 20 |  |  |  | 0.3971 |
| 7 | 61 | 1 | 1 | 1 | 3 | 15 (x3) | 1 | 1 |  | 0.4343 | Baseline model performs almost as well as a model with more features |