|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **STFT** | **MIR** | **MFCC** | **WaveNet** |
| **Silhouette** | 0.246 | 0.140 | 0.192 | **0.278** |
| **Homogeneity** | **0.508** | 0.378 | 0.482 | 0.246 |
| **Completeness** | **0.439** | 0.302 | 0.362 | 0.184 |
| **V-measure** | **0.471** | 0.336 | 0.413 | 0.210 |

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| --- | --- | --- | --- |
|  | **PCA** | **TSNE** | **UMAP** |
| **STFT** | **0.115** | **0.053** | -0.089 |
| **MFCC** | -0.010 | 0.034 | -0.048 |
| **MIR** | -0.035 | -0.062 | **0.124** |
| **WaveNet** | -0.102 | -0.065 | 0.059 |

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| --- | --- | --- | --- |
|  | **PCA** | **TSNE** | **UMAP** |
| **STFT** | **0.115** | **0.053** | --- |
| **MFCC** | -0.010 | 0.034 | --- |
| **MIR** | -0.035 | -0.062 | --- |
| **WaveNet** | -0.102 | -0.065 | --- |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **PCA** | | **TSNE** | | **UMAP** | |
|  | *Roundness* | *Overlap* | *Roundness* | *Overlap* | *Roundness* | *Overlap* |
| **STFT** | 0.674 | **0.275** | 0.823 | **0.240** | **0.834** | 0.183 |
| **MFCC** | 0.689 | 0.235 | 0.827 | 0.195 | 0.789 | 0.205 |
| **MIR** | **0.904** | 0.182 | **0.861** | 0.177 | 0.786 | 0.243 |
| **WaveNet** | 0.696 | 0.209 | 0.838 | 0.240 | 0.796 | **0.258** |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Drum** | *Kick* | *Tom* | *Snare* | *Clap* | *Hi Hat* | *Ride* | *Crash* | **Total** |
| **Samples** | 5158 | 422 | 2546 | 1324 | 159 | 228 | 723 | **10,560** |