

| Hyperparameter | Range | Log-transform | Value |
|---------------------------------|------------------|---------------|----------|
| Initial Learning Rate | [0.001, 1.0] | yes | 0.648188 |
| Batch Size | [32, 128] | yes | 89 |
| L_2 regularization | [0.00001, 0.001] | yes | 0.000339 |
| Momentum | [0.001, 0.99] | no | 0.099601 |
| MixUp α | [0.0, 1.0] | no | 0.492042 |
| CutOut <i>length</i> | [0, 20] | no | 3 |
| ShakeDrop <i>death rate</i> | [0.0, 1.0] | no | 0.038439 |
| <i>ResBlocks</i> ₁ | [1, 16] | yes | 3 |
| <i>ResBlocks</i> ₂ | [1, 16] | yes | 4 |
| <i>ResBlocks</i> ₃ | [1, 16] | yes | 2 |
| <i>ResBranches</i> ₁ | [1, 5] | no | 1 |
| <i>ResBranches</i> ₂ | [1, 5] | no | 1 |
| <i>ResBranches</i> ₃ | [1, 5] | no | 4 |
| <i>Filters</i> ₀ | [8, 32] | yes | 16 |
| <i>WidenFactor</i> ₁ | [0.5, 8.0] | yes | 6.241141 |
| <i>WidenFactor</i> ₂ | [0.5, 8.0] | yes | 1.388867 |
| <i>WidenFactor</i> ₃ | [0.5, 8.0] | yes | 3.344766 |