*Table 2. Neural network prediction time, miliseconds*

|  |  |
| --- | --- |
| *Chord played* | *Total time (ms)* |
| A | **1.51** |
| A#m9 | **2.12** |
| Daug | **2.19** |
| Em | **3.05** |
| Dm7 | **2.37** |
| C#M7 | **2.4** |
| G#sus4 | **2.96** |
| G#7 | **2.25** |
| Csus4 | **2.98** |
| Cdim | **3.18** |
| C9sus4 | **2.63** |
| BM9 | **2.7** |
| F#9sus4 | **2.71** |
| B11sus2 | **2.74** |
| FmM7 | **2.77** |
| Am6 | **3.06** |
| D#M6 | **2.8** |
| A#m6 | **2.83** |
| C#dim9 | **2.86** |
| C#11sus2 | **2.88** |
| EM6 | **3.34** |
| F9 | **3.13** |
| F#sus2 | **3.91** |
| GM7sus2 | **3.24** |
| A9sus2 | **3.34** |
| BM7sus2 | **3.72** |
| Bm | **4.16** |
| B7sus4 | **3.72** |
| Baug9 | **3.48** |
| FM11 | **3.61** |

*Table 3. Statistical analysis of neural network prediction time (95% CI, one-tailed t-test)*

|  |  |
| --- | --- |
| *t-Test: One-sample* | *left-tailed test* |
| **H\_null: m >= 10** | **HA: m < 10** |
|  | *Elapsed (m, ms)* |
| Mean | 2.9546666667 |
| St.dev | 0.5754142935 |
| Sample Size | 30 |
| Hypothesized Mean Difference | 10 |
| SE | 0.1050557962 |
| alpha | 0.05 |
| df | 29 |
| t Stat | **-17.1962085669** |
| P(T<=t) one-tail | **4.70988820804791E-17** |
| t Critical one-tail | **-1.6991270265** |
|  |  |
| **tstat < tcritical** | **reject null** |
| **P < alpha** | **reject null** |