

Data Collection Metrics on C-RNN-GAN

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- Group by three (0-100 Epoch, 100-500 Epoch, 500-2000 Epoch), Compared with training set (feel free to normalize)

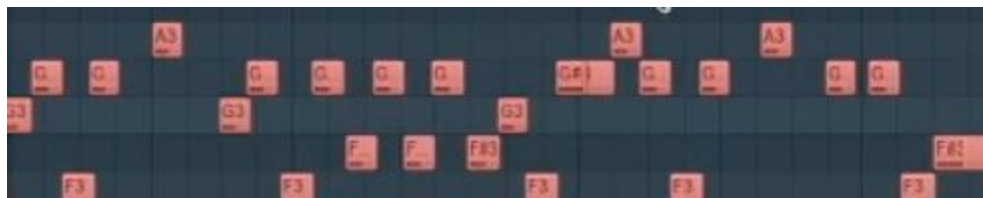
- Example

Plot for 0-100 Group	Plot for 100-500 Group	Plot for 500-2000 Group	Plot for 0-200 Training set

- Data Collection - Take average for each midi data and concat to a boxplot
 - Boxplot of # of Notes (# of Notes distribution)
 - Boxplot of Length (Music length distribution)
 - Boxplot of Tempo (# BPM distribution)
 - Boxplot of Velocity(Velocity distribution)
- Data Collection - Take st.dv for each midi data and concat to a boxplot
 - Boxplot of Melody Standard Deviation (vertical distance between notes distribution) [Clustering may apply]



- Boxplot of Tempo Standard Deviation (horizontal distance between notes distribution)



- Boxplot of Velocity Standard Deviation (distance between each note's velocity)

