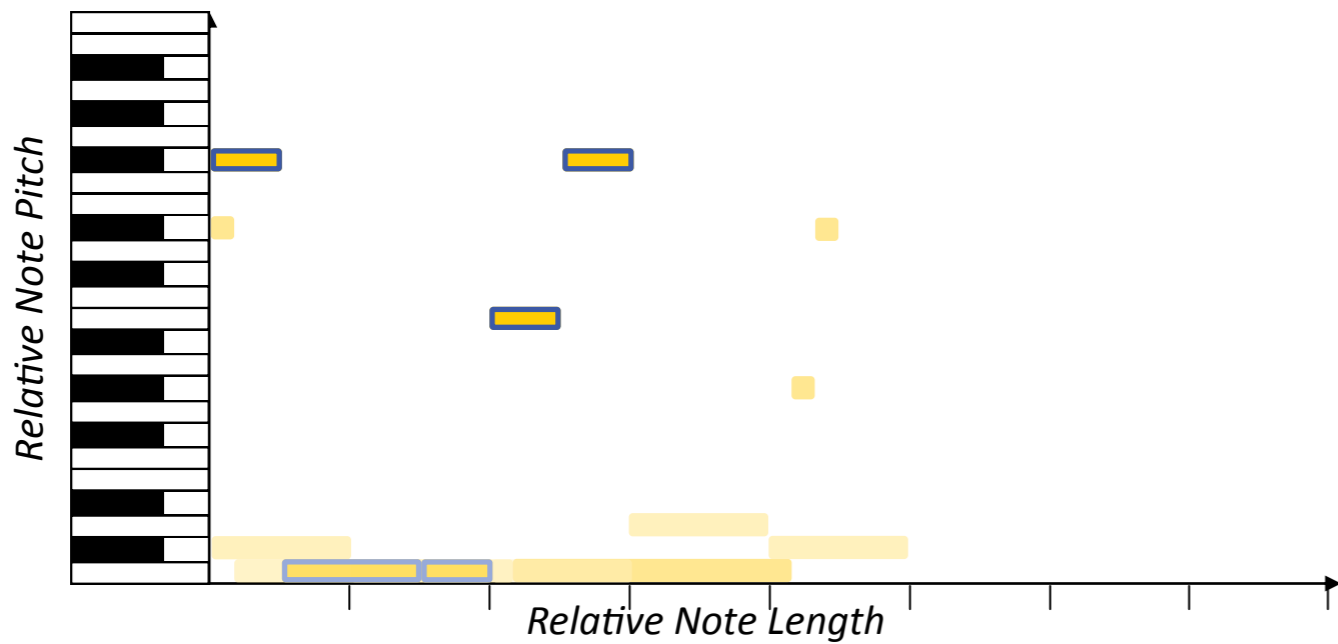


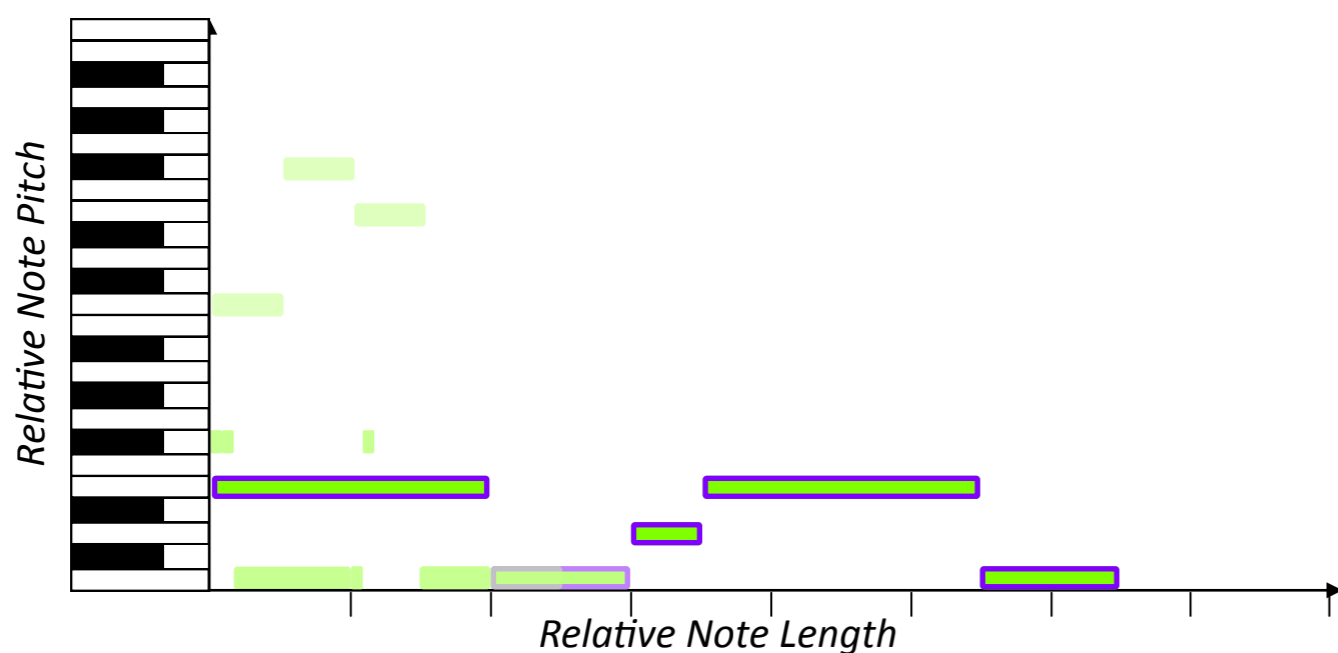
# THE MUSICAL FINGERPRINTS OF COMPOSERS



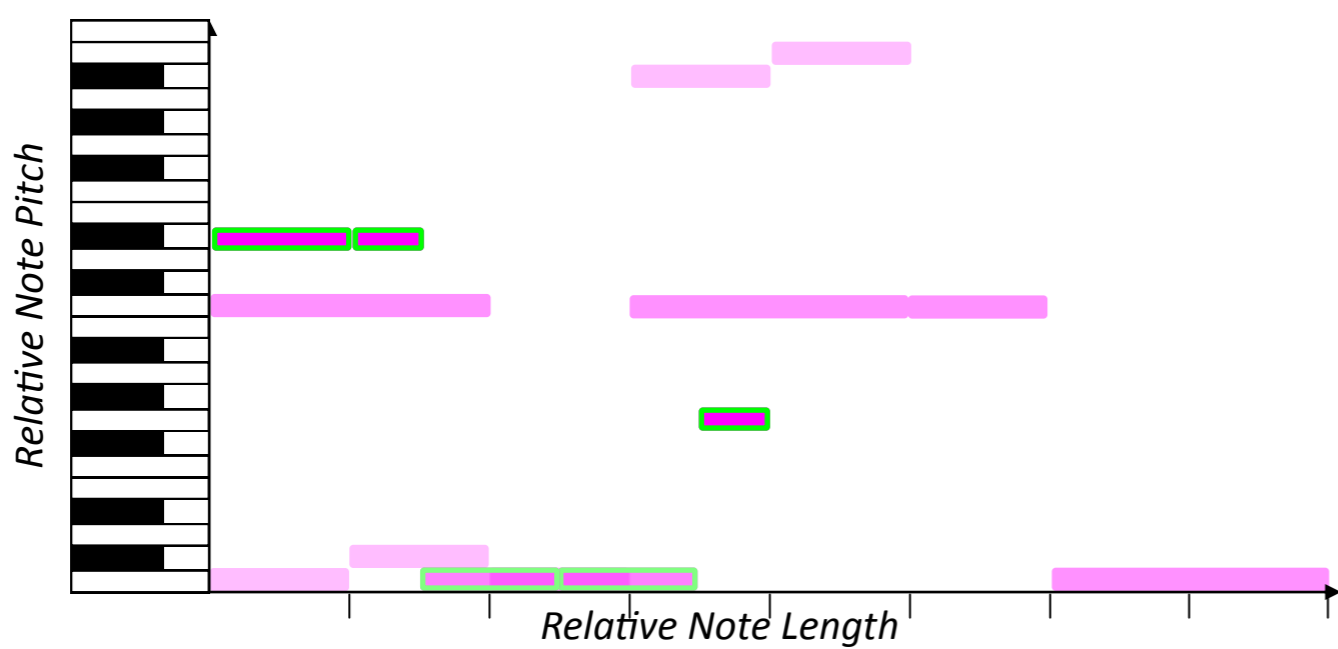
Is there anything about music that can be used to identify the person who composed it? Sometimes this “fingerprint” may be easily identified simply by listening to a number of songs composed by the same person, but often it is more difficult to pin down. In order to investigate this matter further, I made use of a binning technique that I call “SingStar® Binning”. The reason that I chose that particular name will be obvious to anybody who has played SingStar®.



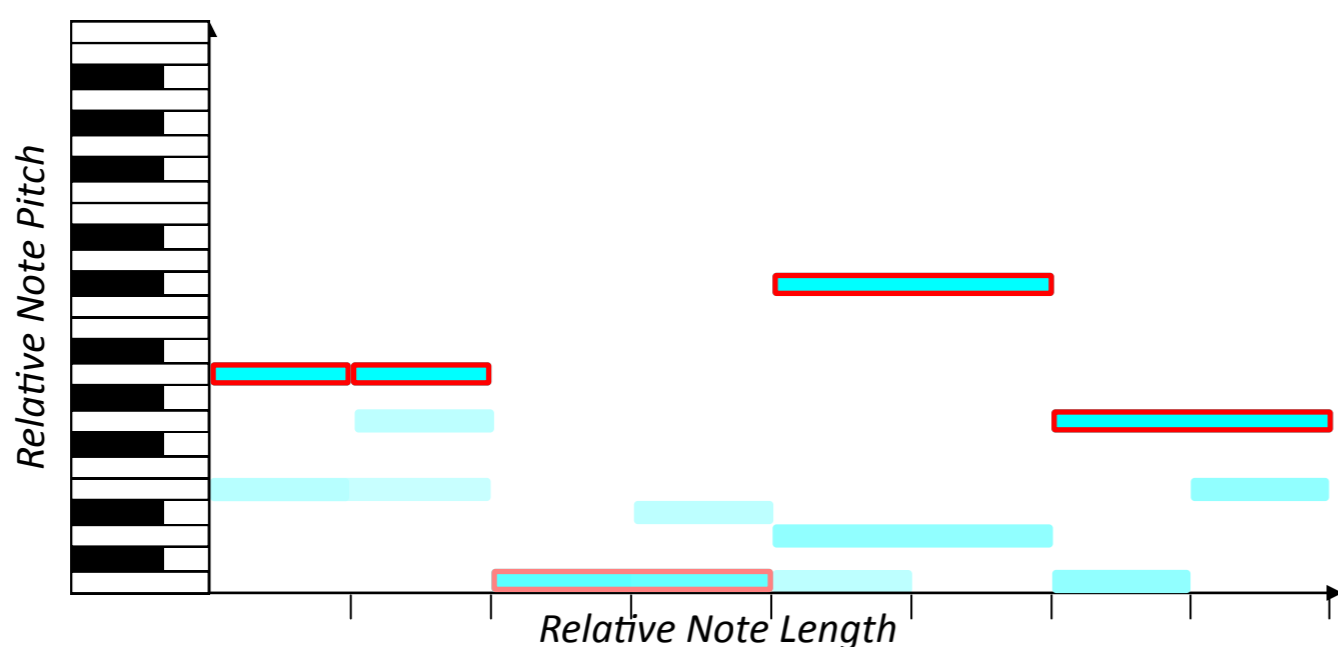
Junichi Masuda



Go Ichinose

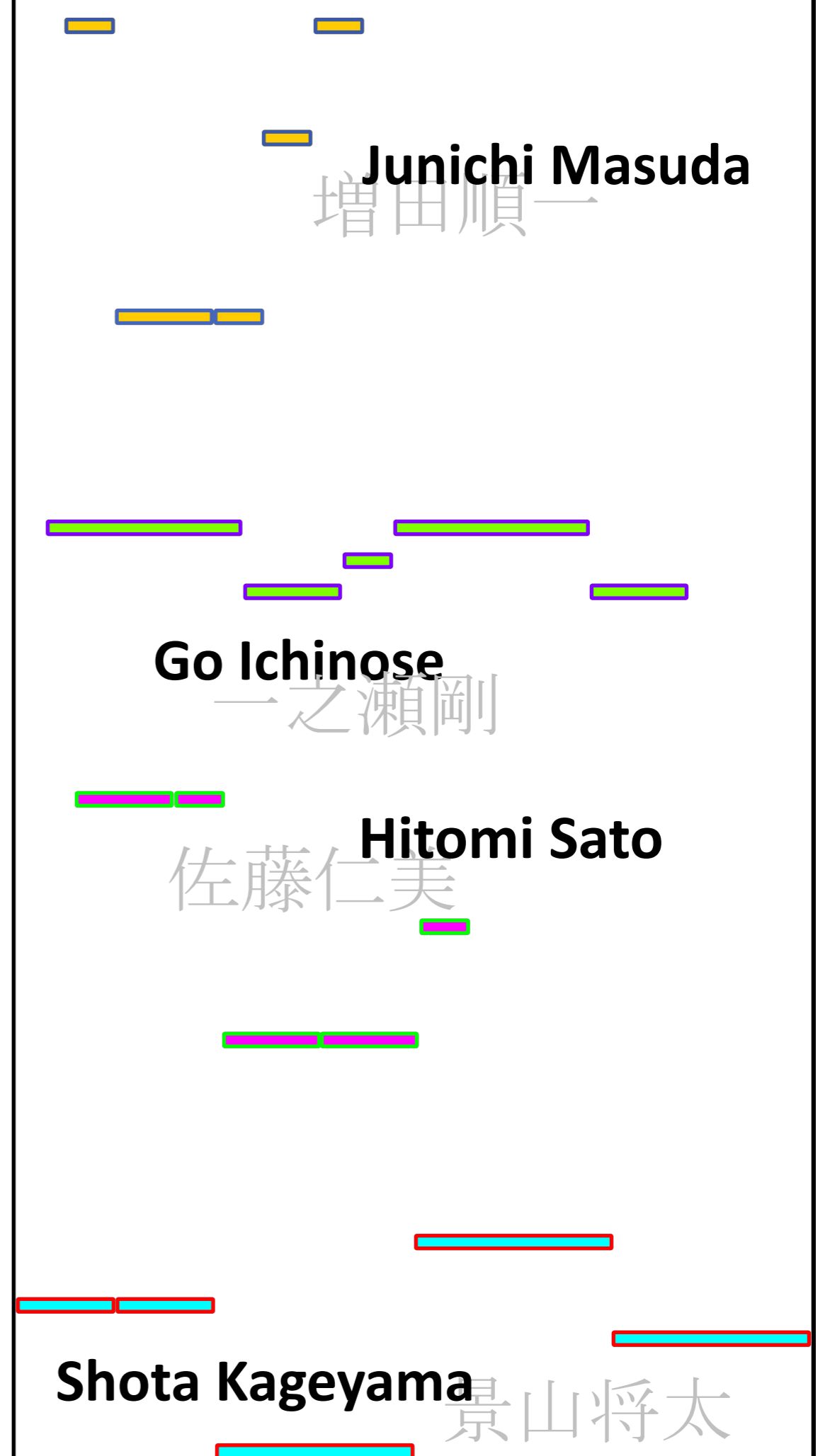


Hitomi Sato



Shota Kageyama

## LEGEND



The composers that I chose to analyse were Junichi Masuda, Go Ichinose, Hitomi Sato and Shota Kageyama. I chose these composers because I have a lot of their music in MIDI format, which made it very easy to obtain large, accurate samples of their work for analysis. In order to analyse their music, I had to first convert MIDI files, which contain binary information, into an intermediate format, that would be text-based. I was then able to analyse the text-based files using R.