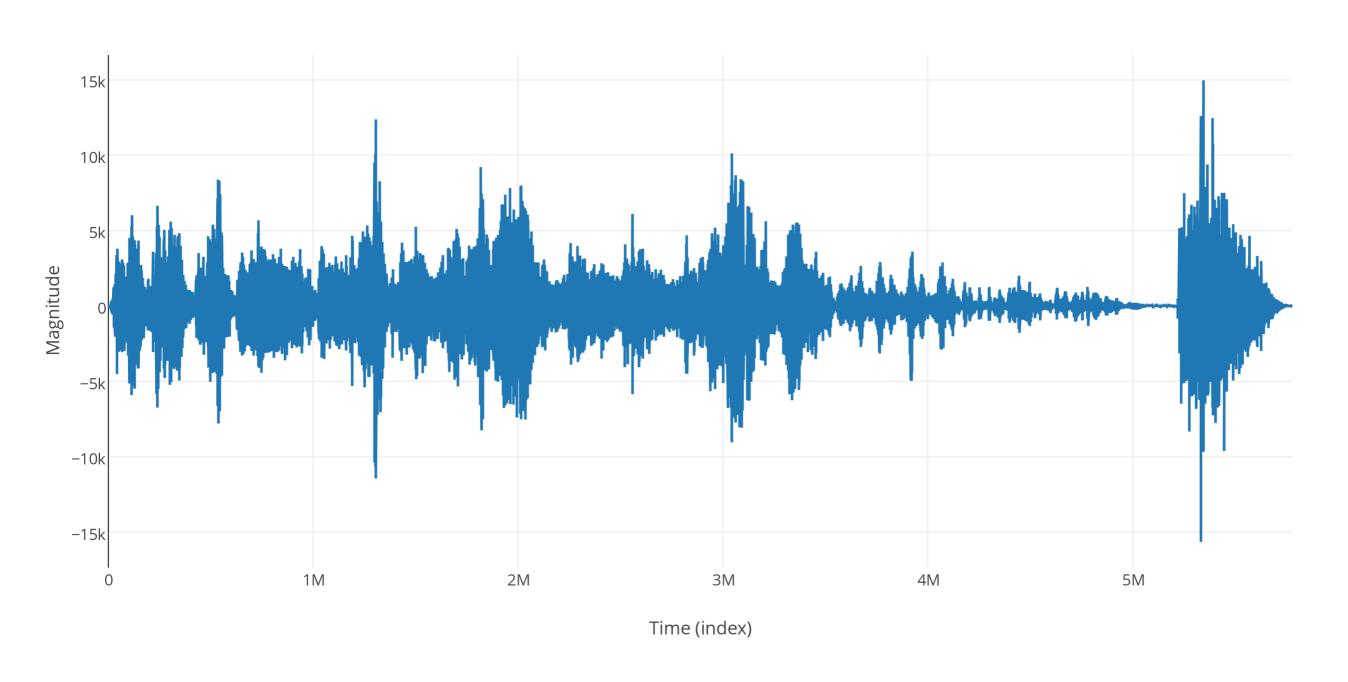




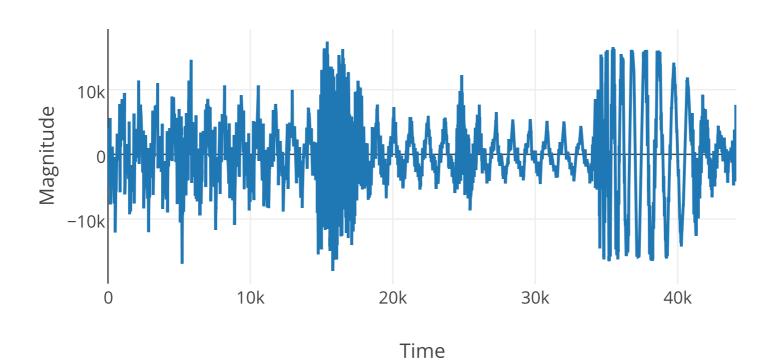
Demo

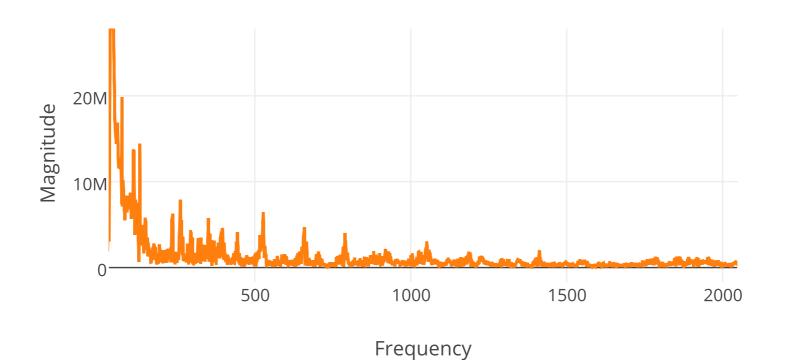
So how'd we do that?

Magnitude vs Time

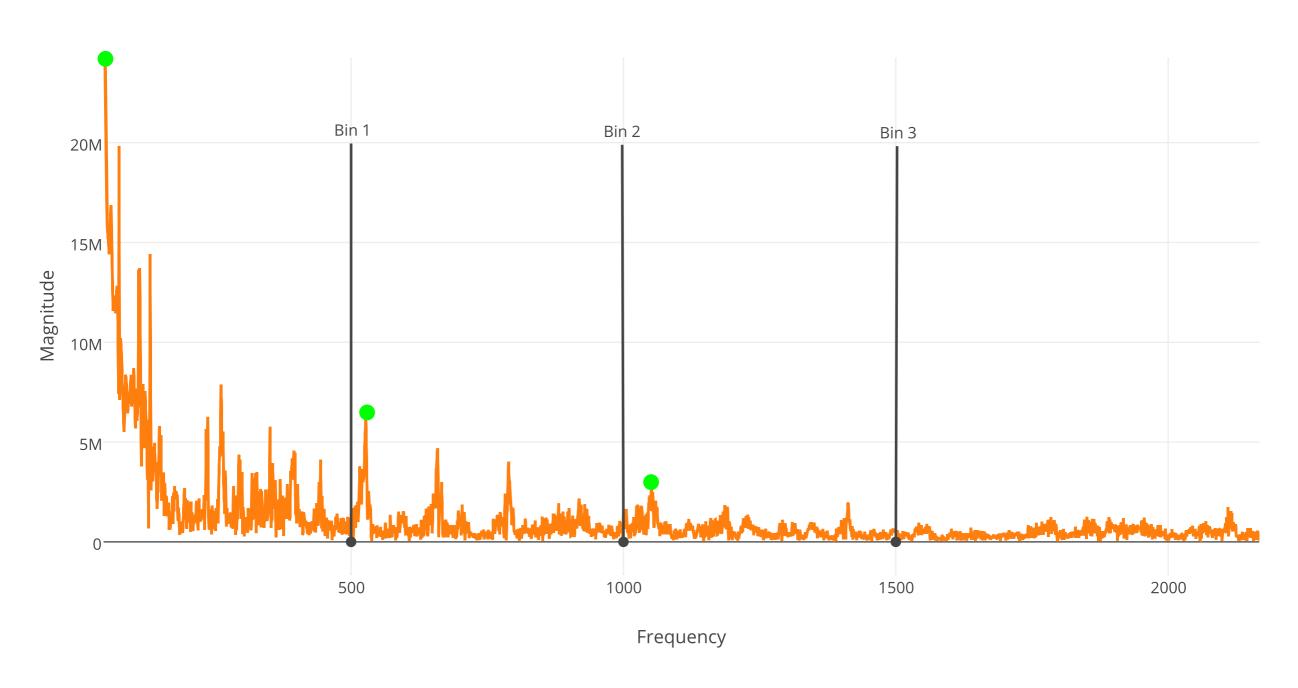


FFT Demonstration





FFT Plot



Hash type: [0,500,1000,1500]

Key: [20, 579, 1098]

How we hash..

key: [bin1 max, bin2 max, bin3 max]

value : [song id, index in song]

Hash Example

• • •

Make a prediction if...

- 1. We've listened for at least 5 seconds
- 2. Proportion of matches > threshold
- 3. We haven't listened for more than 15 seconds

Results

Starting at a random second: 100%

Starting at a random index: 91%

Improvements

New method that incorporates the time the match is the song





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