Evolution of The Informational Complexity of Contemporary Western Music

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Complexity :

Pitch
Loudness
Timber
Rhythm

As fads come and go, ***is there still a consistent preference towards the optimal amount of complexity in cultural products?***

How has the complexity of contemporary cultural products changed over time?
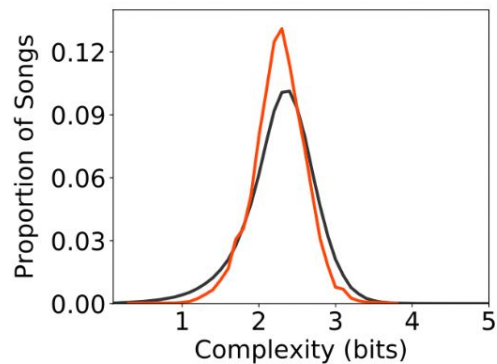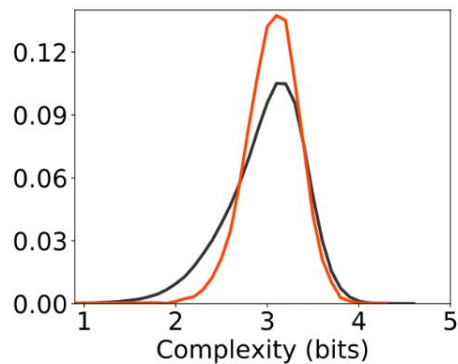
How do we measure complexity?

Codewords

$$H(Y|X) = \sum_{x \epsilon X} p(x) H(Y|X = x) =$$

$$-\sum_{x \epsilon X} p(x) \sum_{y \epsilon Y} p(y|x) \log_2 p(y|x)$$

Pitch | Loudness | Timbre | Rhythm

Complexity over time across features
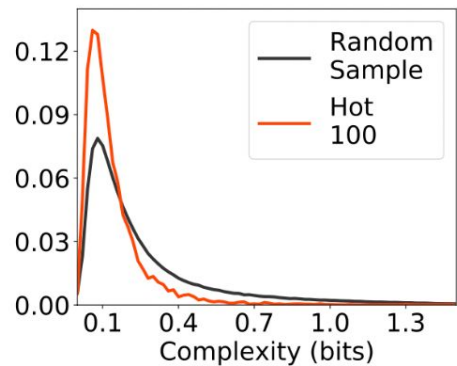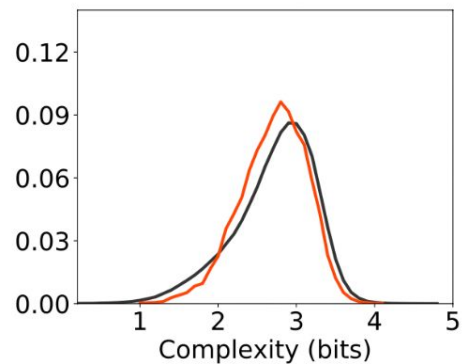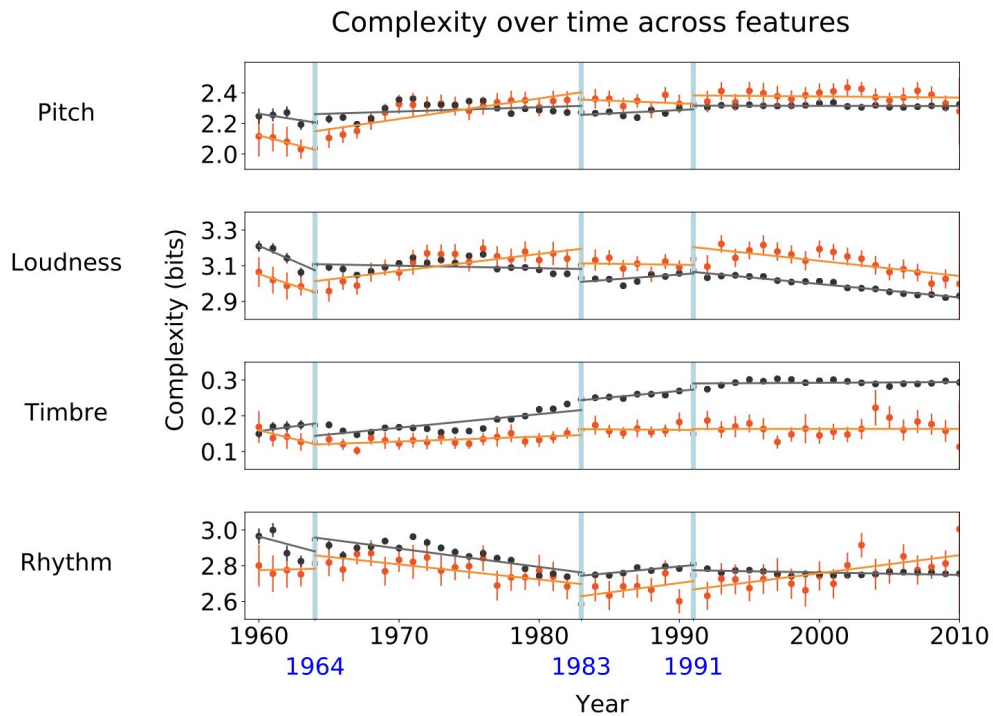
Thanks for paying attention