



# Digital Humanities and Art, Music, and ...

B8 - Digital Humanities – WISE Fall 2019

# Course schedule

Date	Topics
10/29	Introduction Definition and history of Digital Humanities
<b>11/5</b>	Digital Humanities and the study of literature
11/12	Digital Humanities and the study of history
11/19	<b>Digital humanities in the study of art, music, and other disciplines</b>
11/26	What's ahead, or why hasn't artificial intelligence been able to figure out the Finnish language yet?

# Info

- **Course materials**

- Course slides and related materials are available on <http://queenlake.com/wise/wise-fall-2019/digital-humanities/>.

- **Contact information**

- Karl Hakkarainen  
[kh@queenlake.com](mailto:kh@queenlake.com)  
508 829 5825



Welcome to the Library of Godmersham Park, the estate of Jane Austen's brother Edward Austen Knight. Explore the shelves to see the books as Jane would have seen them, and read the works she would have

## Reading With Austen

See also [Rebuilding Jane Austen's Library](#)



## Adebanji Alade Discovers Aida, The First Ultra Realistic Humanoid AI Robot Artist.





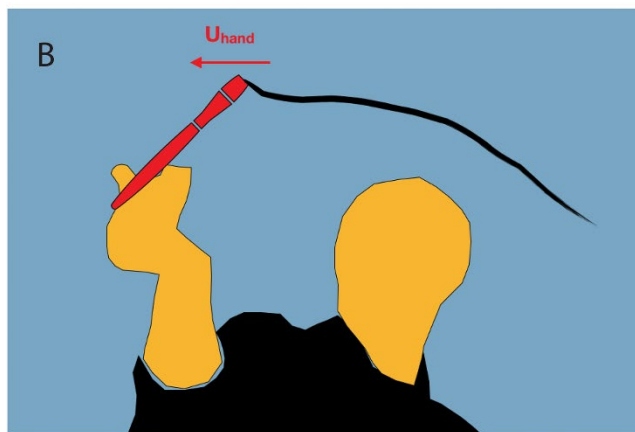
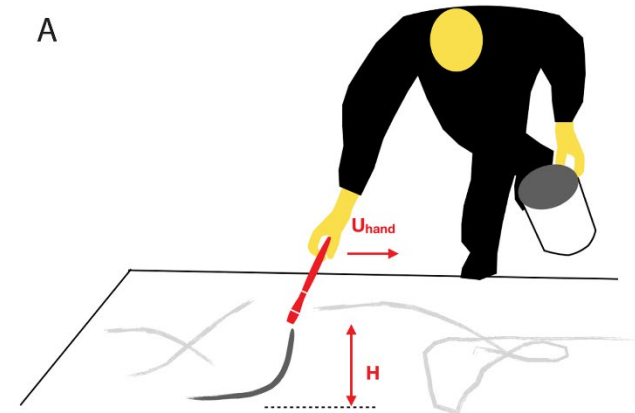
This piece sold for \$432,500. It was generated by A.I.

Is artificial intelligence set to become art's next medium? – Christie's



## A philosopher argues that an AI can't be an artist

“Human creative achievement, because of the way it is socially embedded, will not succumb to advances in artificial intelligence.” – **Sean Dorrance Kelly**



Pollock avoided hydrodynamic instabilities to paint with his dripping technique





a) The Old Guitarist, Picasso.



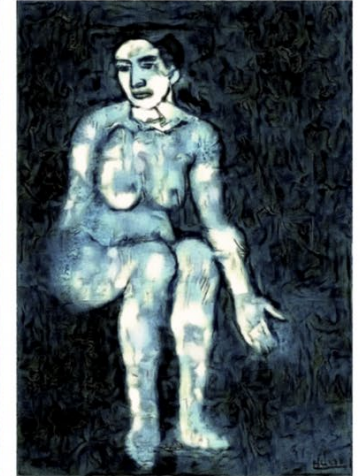
b) X-radiograph of The Old Guitarist.



c) Content image, constructed from b).

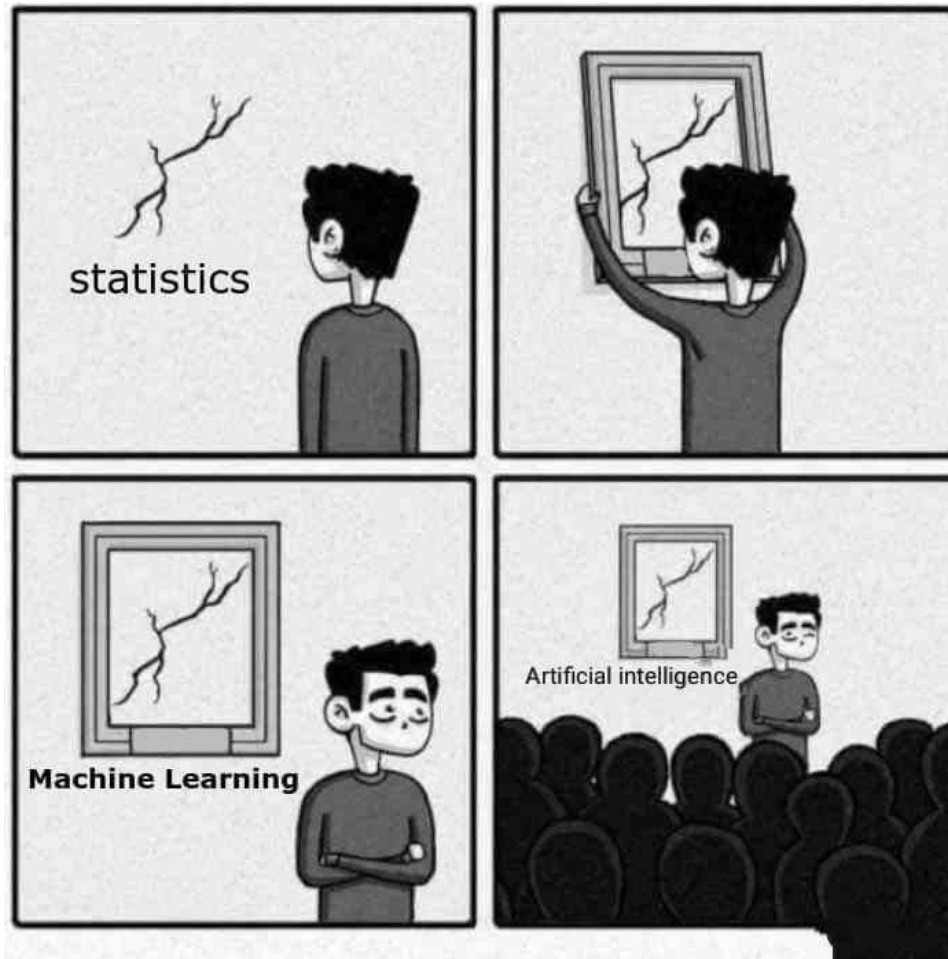


d) Style image, Picasso's La Vie.

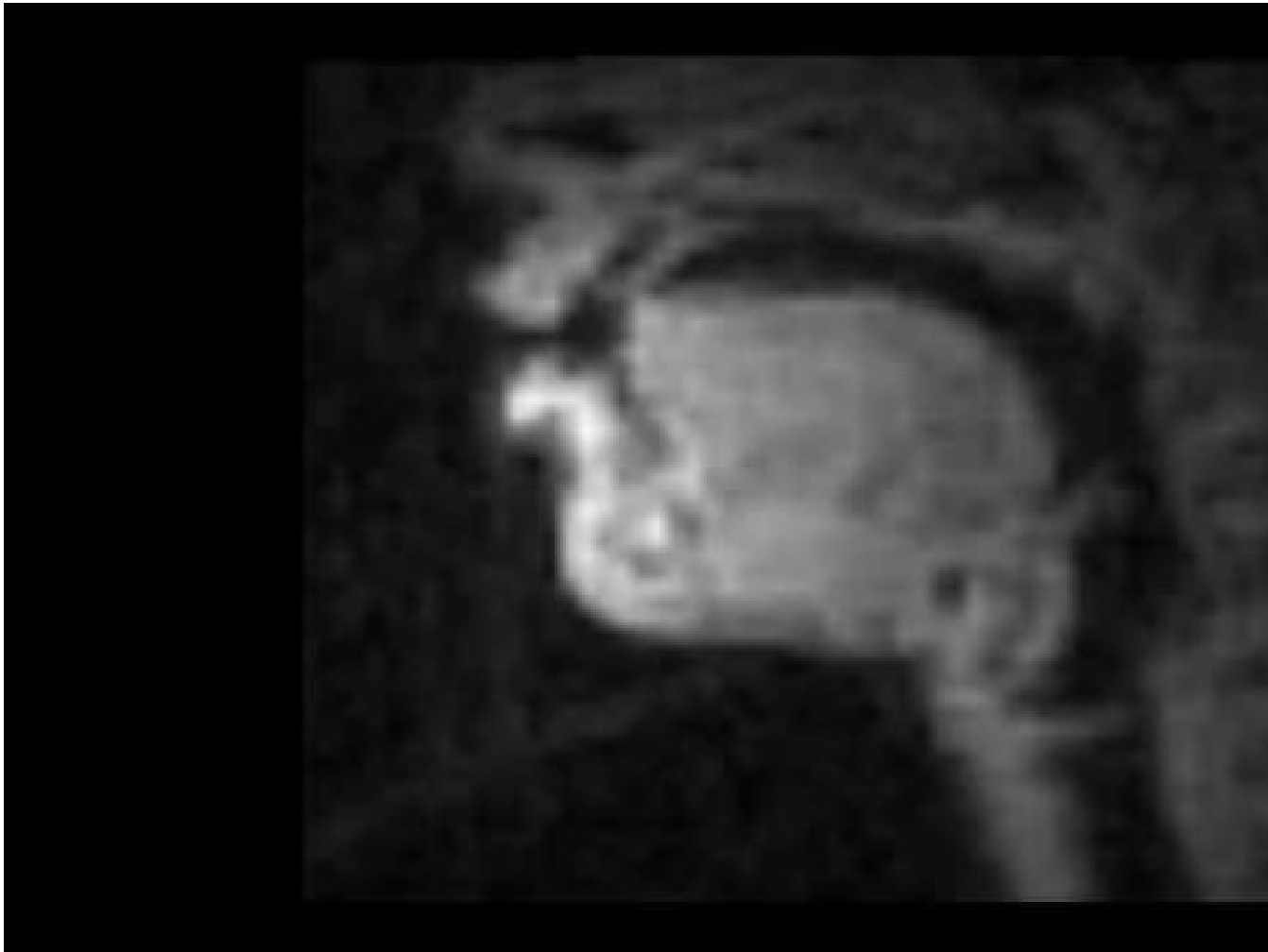


e) Stylised image, *La femme perdue*.

MIT Technology Review: This Picasso painting had never been seen before. Until a neural network painted it.



So, where are we?



## An MRI Shows How a Singer Sings Two Tones at Once



## Pepper's Ghost: How Dead Celebrities are Being Recreated as Realistic Holograms





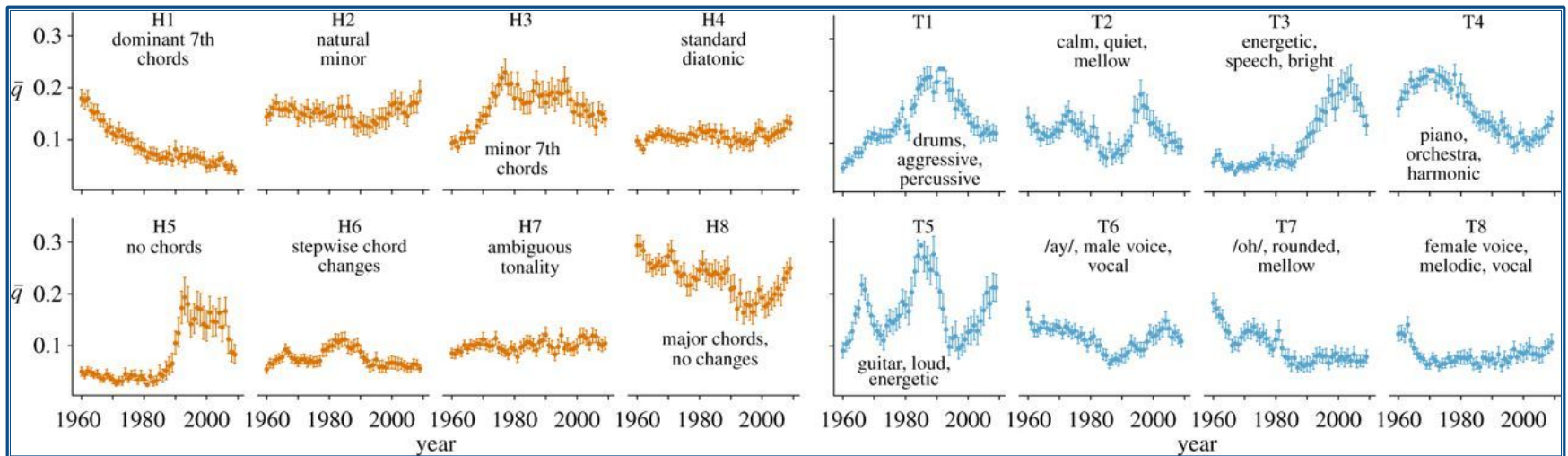
29

THE MAGIC LANTERN GHOST.—*Recreative Science.*

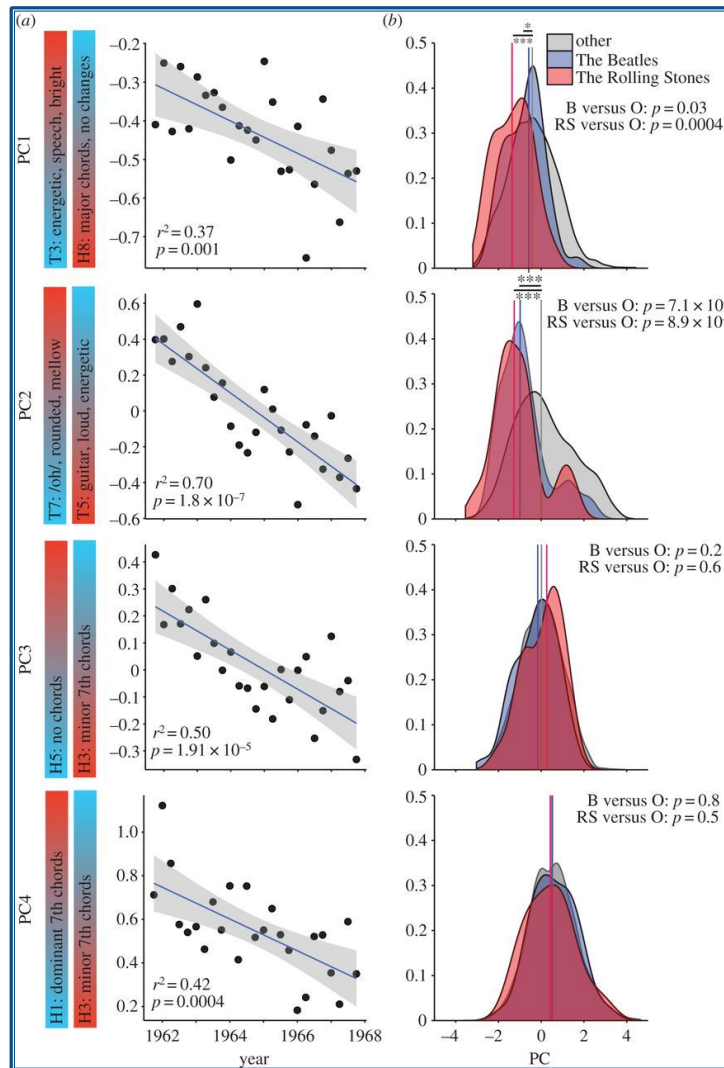
## About “Pepper’s Ghost”



## Before and After Chuck Berry

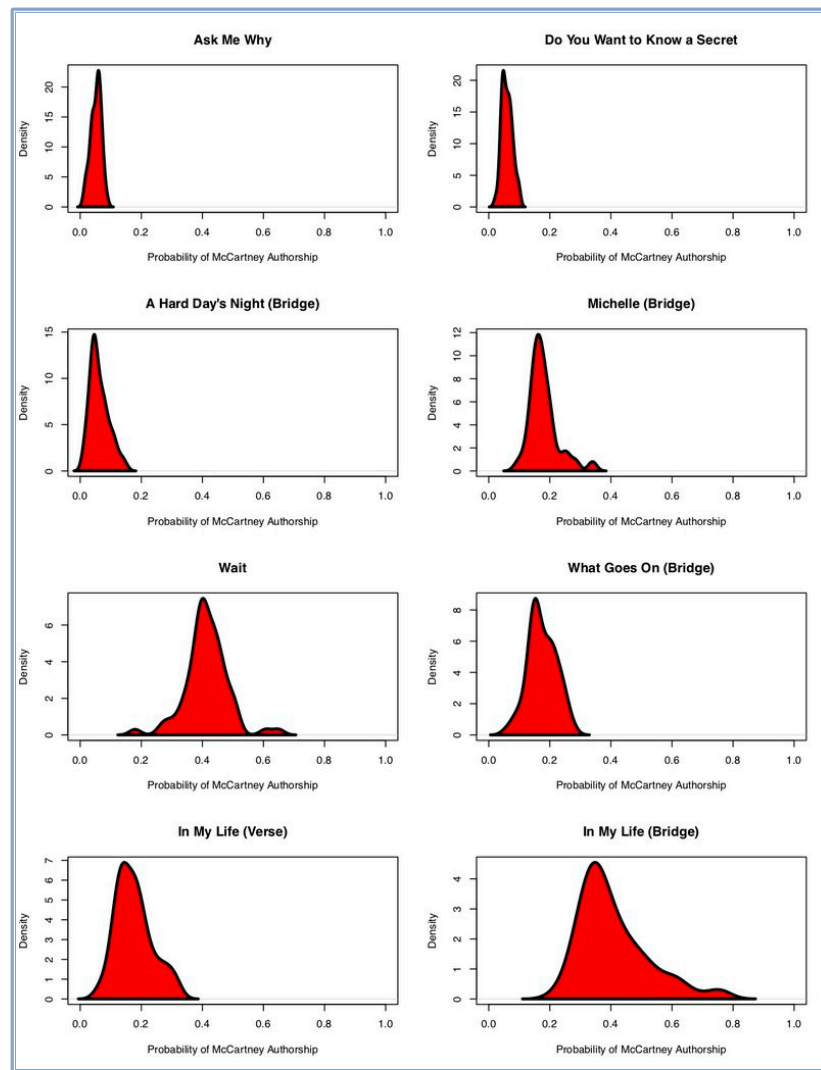


## The evolution of popular music: USA 1960–2010

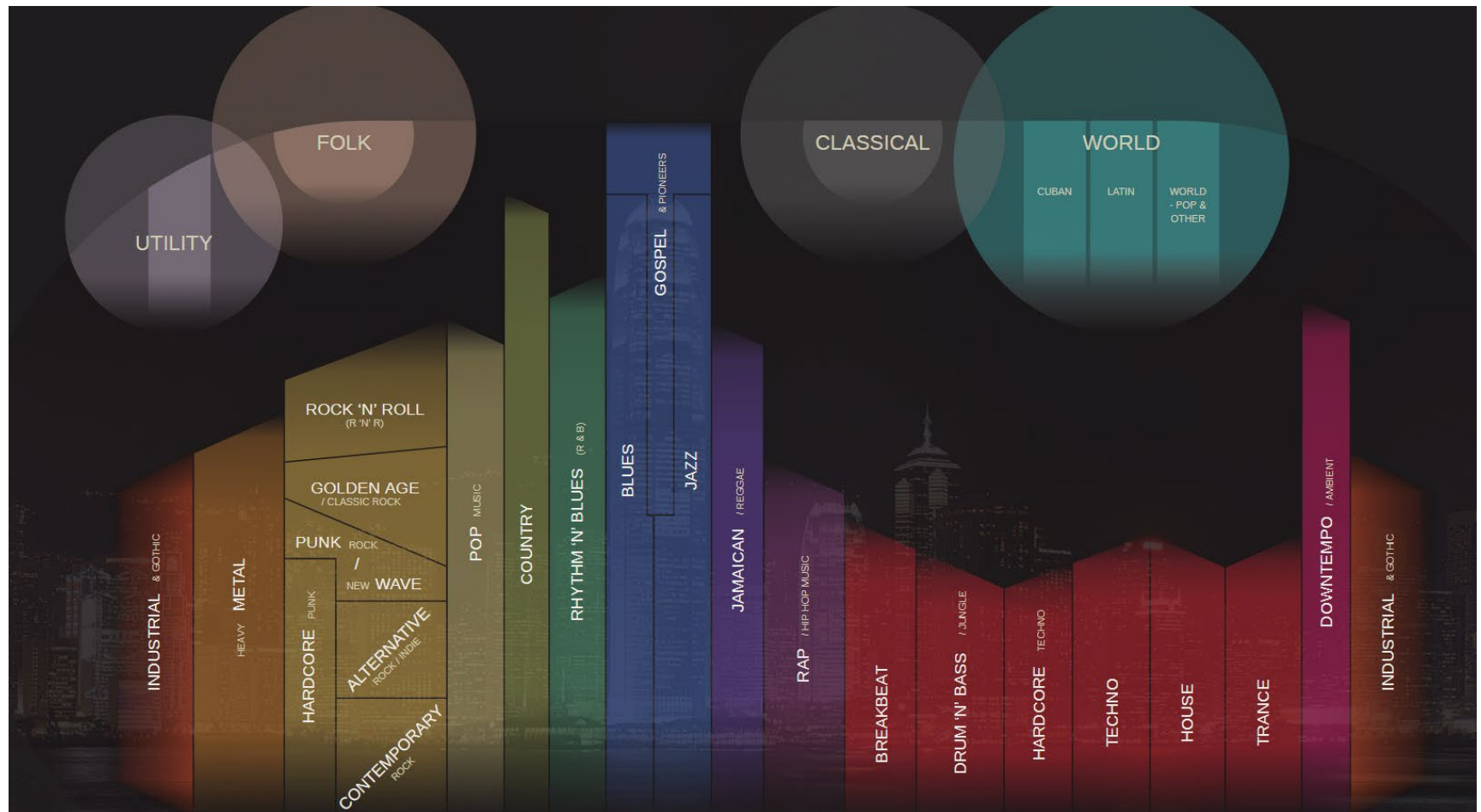


**The British did not start the American revolution of 1964**





## Data in the Life: Authorship Attribution in Lennon-McCartney Songs



## musicmap

The Genealogy and History of Popular Music Genres from Origin till Present (1870-2016)



## Artificial intelligence applied to virtual dance partner



Questions?