DIG THAT LICK: ANALYSING LARGE-SCALE DATA FOR MELODIC PATTERNS IN JAZZ PERFORMANCES

The Project is part of the DIGGING INTO DATA CHALLENGE 2017
https://diggingintodata.org/awards/2016/project/dig-lick-analysing-large-scale-data-melodic-patterns-jazz-performances

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The recorded legacy of jazz spans a century and provides a vast corpus of data documenting its development. Recent advances in digital signal processing and data analysis technologies enable automatic recognition of musical structures and their linkage through metadata to historical and social context. Automatic metadata extraction and aggregation give unprecedented access to large collections, fostering new interdisciplinary research opportunities.

This project aims to develop innovative technological and music-analytical methods to gain fresh insight into the jazz history by bringing together renowned scholars and results from several high-profile projects. Musicologists and computer scientists will together create a deeper and more comprehensive understanding of jazz in its social and cultural context. We exemplify our methods via a full cycle of analysis of melodic patterns, or "licks," from audio recordings to an aesthetically contextualised and historically situated understanding.