In this presentation, I will give a short tour on two recent projects in digital jazz research, the Jazzomat project (2012–2017) and the Dig That Lick project (2017–2019), which had the computational analysis of jazz solo improvisations at their heart. I will first discuss general concepts of digital musicology, in particular, on how to represent and transcribe jazz solos into a digital encoding, that allows for a wide range of analyses, while being flexible and maximally precise and comprehensive at the same time. As an example, I will present the Weimar Jazz Database, developed in the Jazzomat project, which contains 456 transcriptions of monophonic jazz solo from the US-American jazz canon. I will further present a selection of relevant findings, covering various aspects from historical developments to psychological models of improvisation. A special focus will be placed on microtiming, e.g., the rhythmic feel of “swing” which is central to the jazz idiom.

Wednesday, Dec 13th, 2023 at 2:15 pm

MPI-DS, Prandtl Lecture Hall
Am Fassberg 11, Göttingen, and
Zoom Meeting ID: 959 2774 3389
Passcode: 651129, direct link