

Abstract Submitted
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Language Geography from Microblogging Platforms DELIA MOCANU, ANDREA BARONCHELLI, NICOLA PERRA, Northeastern University, BRUNO GONÇALVES, Aix-Marseille Université, ALESSANDRO VESPIGNANI, Northeastern University — Microblogging platforms have now become major open source indicators for complex social interactions. With the advent of smartphones, the everincreasing mobile Internet traffic gives us the unprecedented opportunity to complement studies of complex social phenomena with real-time location information. In this work, we show that the data nowadays accessible allows for detailed studies at different scales, ranging from country-level aggregate analysis to the analysis of linguistic communities within specific neighborhoods. The high resolution and coverage of this data permits us to investigate such issues as the linguistic homogeneity of different countries, touristic seasonal patterns within countries, and the geographical distribution of different languages in bilingual regions. This work highlights the potentialities of geolocalized studies of open data sources that can provide an extremely detailed picture of the language geography.

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