

# IAB-Colloquium zur Arbeitsmarkt- und Berufsforschung

## Seeing cities through the lens of new data

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The talk combines results from, at least, three different papers relating to applications of new sources of data for urban research. Drawing from Arribas-Bel (2014), I will first review the emergence of three different sources of new data: data from sensors humans carry, data from businesses moving online, and data from governments released in an open format. These will be characterized and their main strengths and weaknesses highlighted. Using this general umbrella as the backdrop, I will then present two cases that exemplify some of the aspects mentioned. In the first one, borrowed from Arribas-Bel et al. (2014), geo-referenced Twitter data is used in a space-time context to explore the structure of the city and identify areas with different urban functions in the city of Amsterdam. In the second one, taken from Arribas-Bel and Bakens (2014), data from the location-based social network Foursquare is used to investigate the potential effects of diversity on the popularity of urban amenities. I will conclude with a brief recapitulation of the main advantages and drawbacks of these new sources of data and how they can fit into the research agenda of urban and regional scientists.

**References** Arribas-Bel, Daniel: Accidental, open and everywhere – Emerging data sources for the understanding of cities. *Applied Geography*, Volume 49, May 2014, P. 45-53. // Arribas-Bel, D.; Bakens, Jessie: The magic's in the recipe – Urban Diversity and Popular Amenities. August 2014. Mimeo. // Arribas-Bel, D.; Kourtiti, Karima; Nijkamp, Peter: Jane Jacobs data science – A pilot study of how social media can help the understanding of cities. May 2014. Mimeo.

**Mittwoch, 24. September**

11:00 Uhr

Sitzungssaal 126a