	Monday, 17 August 2020	Tuesday, 18 August 2020	Wednesday, 19 August 2020	Thursday, 20 August 2020	Friday, 21 August 2020
08:30	Registration and coffee				
09:00	**Towards a spatial and digital epidemiology** Gruebner	**Urban health** Krämer	**Lab work in R: Spatial dependence and cluster analysis** Lautenbach	**Epidemiological challenges and opportunities to urban mental health** Khan	**Detecting bots, emotions, and stress in social media data** Elayan, Sykora
10:30	Refreshment break	Refreshment break	Refreshment break	Refreshment break	
11:00	**Lab work in R: Brief introduction to working with geo-referenced social media data in R** Facilitated by Gruebner	**Lab work in R: Exploratory Spatial Data Analysis (ESDA)** Lautenbach	**Lab work in R: Exercises** Facilitated by Lautenbach and Gruebner	**Mock session: Legal and ethical challenges in big social media data for public health research** Fadda	**Team presentations** Facilitated by Gruebner and Lautenbach
12:30	Lunch break	Lunch break	Lunch break	Lunch break	Closing and award of certificates
13:30	**Lab work in R: Assessing activity spaces of users based on geo-referenced social media data** Facilitated by Mardesic and Gruebner	**Geographic Information Science for big social media data in urban health** Lakes	**Lab work in R: Spatial regression modelling** Lautenbach	**Work on group assignment** Facilitated by Lautenbach and Gruebner	
15:00	Refreshment break	Refreshment break	Refreshment break	Refreshment break	
15:30	**World café: Digital epidemiology** Fischer	**Lab work in R: Exercises** Facilitated by Lautenbach and Gruebner	**Lab work in R: Exercises** Facilitated by Lautenbach and Gruebner	**Work on group assignment** Facilitated by Lautenbach and Gruebner	
17:00	Reception				
19:00				Summer school dinner	
Learning goals	**1. Describe the relevance, potential, and challenges of spatial and digital epidemiological approaches to advance urban health research.**	**2. Apply robust spatial and digital epidemiological approaches towards addressing important urban health challenges.**	**3. Develop a project with potential for real-world urban health impact using geospatial big data methods.**		