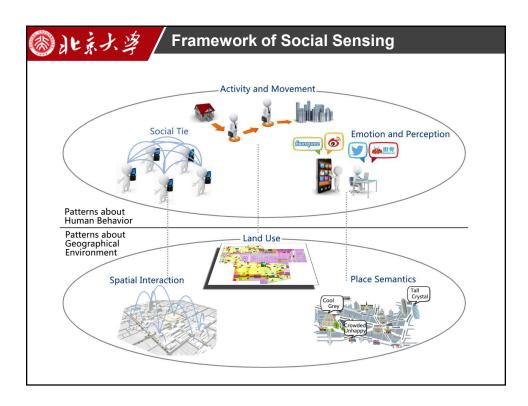


🛞 引ビ京大 淳 🖊 2. Social Sensing

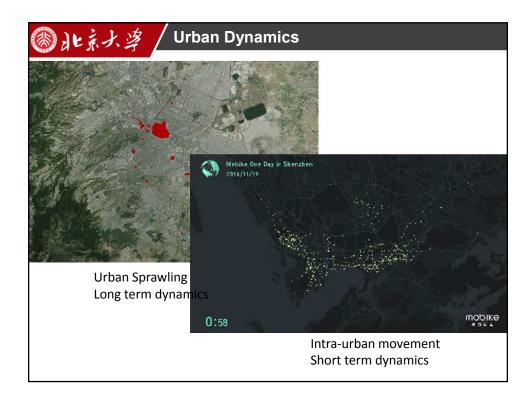
- Individual-based geospatial big data can be viewed as an analogue of remote sensing data in social science research
- While remote sensing data have been widely and successfully used to map physical features, social sensing data can capture human behaviors and consequently reveal socio-economic features
- Why the term "Sensing"
 - Analogue of remote sensing
 - · Each individual plays the role of a sensor

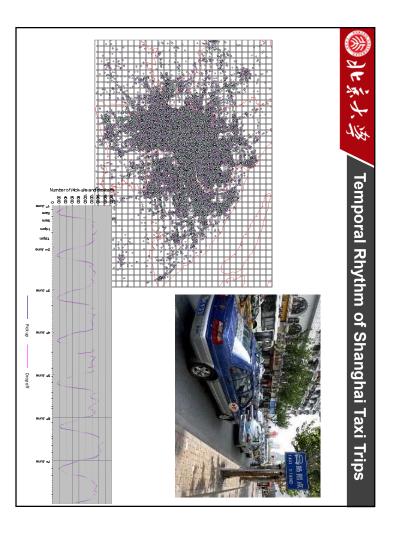


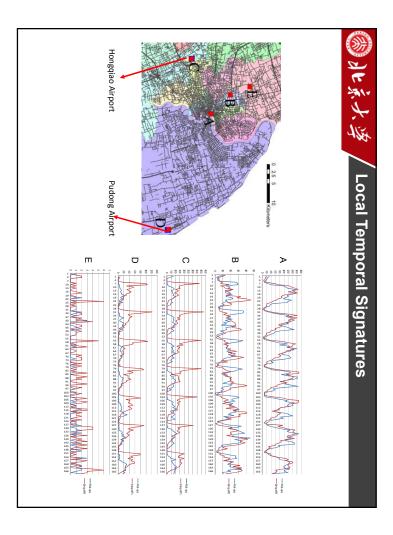
🛞 Jと京大 淳 🖊 3. Urban Diversity and Dynamics

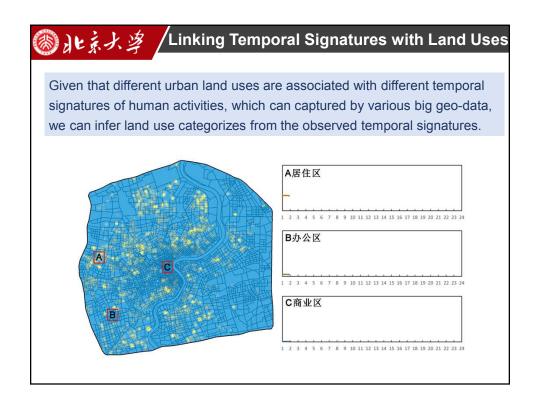
- Landscape diversity and dynamics are two most attractive properties of cities.
 - Diversity of physical landscape + Diversity of human landscape
 - Dynamics of physical features + Dynamics of human features
 - Urban land use sprawl vs. Commute of urban residents
- Understanding urban diversity and dynamics, from both physical and human aspects, is essential to smart cities.
- Multi source big geo-data provide an unprecedented opportunity to observe and measure urban diversity and dynamics
- \rightarrow and thus, well support constructing smart cities.

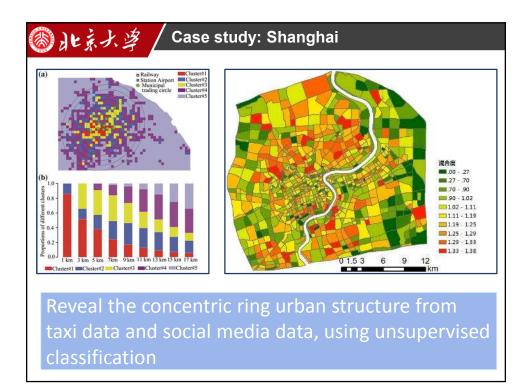


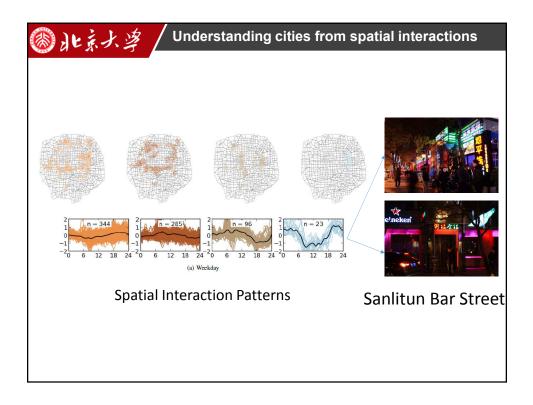


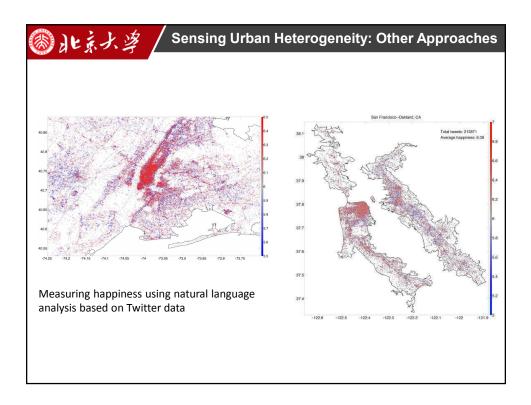




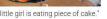




















"black cat is sitting on top of suitcase."

a young boy is holding a baseball bat."



"a cat is sitting on a couch with a remote control."

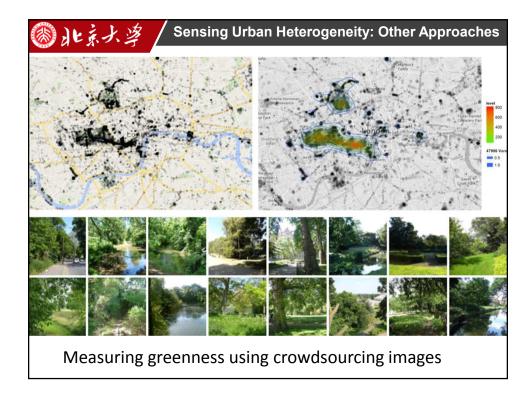


"a woman holding a teddy bear in front of a mirror.

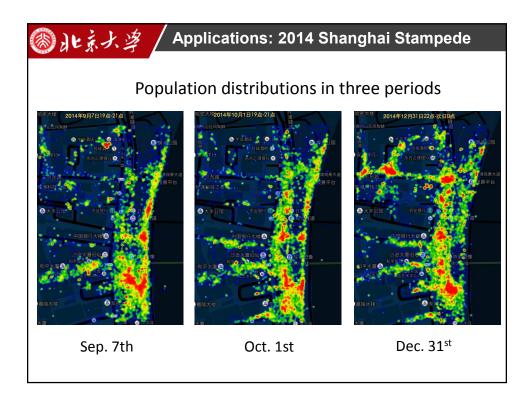


"a horse is standing in the middle of a road."

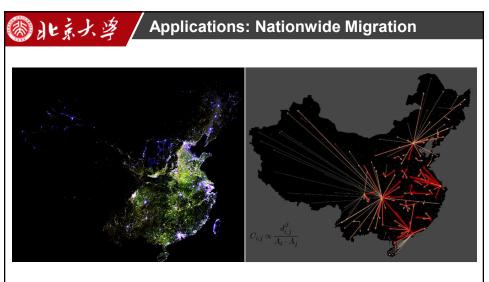
Image content Analysis











Using the individuals' location data that cover the spring festival, we can compare the spatial distributions in two periods (before and during the holiday) and identify labor export areas (such as Henan and Hunan) and labor import areas (such as Shanghai and Shenzhen)

