Training Workshop on “Spatial Data Lab”

Co-Organized by

China Data Institute
Geospatial Center for Social Sciences, Wuhan University

Wuhan University
July 9, 2019 (Beijing Time)

8:30am-9:45am

I: Web Conference

- **Open platform for spatial data sharing with WorldMap**, Wendy Guan, Harvard University
- **Open platform for data management with DataVerse**, Gustavo Durand and Danny Brooke, Harvard University
- **Spatial data analysis with GeoDa and GeoDaSpace**, Xun Li, University of Chicago
- **Drive data and AI with workflow tools**, Alex Liu, RMDS/IBM
- **Integrate, Automate, Innovate Self-Service Analytics**, Sandeep Saini, Grazitti

*Note: The web conference in the morning will be open for public. Please click here for the online registration. After registering, you will receive an email notice containing information about joining the webinar.*

9:45am-10:45am

II: Spatial Data

- **Global land use with remote sensed data**, Jie Wang, Tshinghua University
- **Remote sensed data from Luoja Satellite**, TBD, Wuhan University
- **Spatial data mining and visualization**, Ella Li, Wayhe Tech
- **Spatial data integration and intelligent analysis**, Jingyu Qiu, Wayz Tech

10:45am-11:00am: Break

11:00am-12:00pm

III: Workflow Based Tools

- Workflow data analysis with ArcGIS
- Workflow data analysis with Alteryx
- Workflow data analysis with Jupyter
- Workflow data analysis with R AnalyticFlow

1:00pm-1:30pm
IV: Platform for Research and Teaching

- China Geo-explorer (http://chinageoexplorer.com)
- The cloud based platform for data research and teaching (http://chinadatalab.net)

1:30pm-2:45pm

V: Workflow Based Data Case Studies

- Spatial factor analysis of road network based on the traffic accidents
- Changes in human induced turbidity in Poyang Lake based om remote sensed data
- Air quality analysis with social media data
- Space-time analysis of high education in China
- Spatial panel data analysis in regional development

2:45pm-3:00pm Break

3:00pm-4:30pm

VI: Practice of Data Case Studies in Research and Teaching

- Practice of data case studies in teaching
- Practice of data case studies on site

4:30pm-5:30pm

Discussions: Collaboration on Spatial Data Research and Teaching

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https://projects.iq.harvard.edu/chinadatalab/event/training-workshop-“spatial-data-lab”