LocBigDataAI 2023 Program (version: Jur	ne 26, 2023)										
Changes are still possible. All times are local time in Cape Town (GMT+	2).										
Each presentation will have 15 minutes, Q&A included. We recommend		esentation and	use the rest for Q	&A.							
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Session 1 Opening (9:00-9:15)											
Session 2 (9:15-10:30)											
Tao Cheng, Tsun Hei Ng and Yunzhe Liu	The Impact of Scottish "Staycations" on Local Tourism: A Twitter Data Analysis										
Nina Polous	Unveiling the Power of Event-Driven Mapping: Enhancement of Explainable Geo-Al										
Anahid Jalali, Anita Graser and Clemens Heistracher	Towards eXplainable AI for Mobility Data Science										
Yu Zhang, Weiming Huang, Yao Yao, Song Gao, Lizhen Cui and Zhongmin Yan	Urban region representation learning with human trajectories: A multi-view approach incorporating transition, spatial, and temporal perspectives										
Chenglong Wang, Zhaoya Gong, Bin Liu, Pengjun Zhao and Zhenhua Chen	Chen Uncovering the global and local structures of urban networks via Poincare Embedding										
Coffee break (10:30-11:00)											
Session 3 (11:00-12:15)											
Zheng Ren, Stefan Seipel and Bin Jiang	Topological represe	ntation for Iden	tifying Urban Center	s Using Multi-Sourc	ce Geospatial Big Data						
Youngok Kang, Jiyeon Kim, Jiyoung Park and Jiyoon Lee	Assessment of Perceived and Physical Walkability Using Street View Images and Deep Learning Technology										
Ying Long and Yue Ma	Exploring the relationship between the urban design quality and physical spatial disorder of streets with massive street view images										
Yunya Gao, Dirk Tiede and Stefan Lang	Maps Translated from Satellite Imagery by Image-To-Image Translation May Be More Unreliable due to the Advent of Segment Anything Model										
Jinhua Meng and Hua Liao	Analyzing Spatio-Temporal Pattern of Cognitive Load in Real-World Wayfinding Using Pupillary Responses										
Lunch break (12:15-13:30)											
Session 4 (13:30-14:45)											
Minglei Liao and Xintao Liu	Characterizing temporally fragmented mobility networks in virtual space using uniform resource locator (URL) data										
Anna Brauer, Ville Mäkinen and Juha Oksanen	Time-based solutions for strengthening location privacy in GNSS-based human mobility trajectories										
Timon Sachweh, Helen Kuhlmann and Thomas Liebig	Empowering Data Owners with Homomorphic Encrypted Federated Learning in Decentralized Data Spaces										
Huanfa Chen and Liyuan Dong	A comparison of geographically weighted regression and machine learning methods for house price modelling: a case study of London										
Pengbo Li and Haowen Yan	Interpreting deep representations of urban map features via an encoder-decoder architecture										
Coffee break (14:45-15:15)											
Session 5 (15:15-16:30)											
Susanne Bleisch and Daria Hollenstein	Guidance on accessible routes based on path characteristics derived from high-density point clouds										
Shahram Sattar, Peyman Azari, Gopika Rajan and Songnian Li	3D City Modeling of Toronto: Lessons Learned										
Wenyu Wang, Zhenhua Chen and Kailai Wang	Assessing the Impact of the 2021 Texas Winterstorm Disaster on Social Group Vulnerability and Resilience: A Spatial Flow Analysis and Deep Learning Approach										
Yalin Yang, Yanan Wu and May Yuan	Quantify the spatial association of places and social events										
Yunlei Liang, Jiawei Zhu, Wen Ye and Song Gao	GeoAI-Enhanced Spatial Network Community Detection using Node Attributes and Spatial Interactions										
Coffee break (16:30-17:00)											
Session 6 (17:00-18:00)											
Binbin Lin, Yimin Dai, Ning Ning and Lei Zou	Statistical Machine	Learning Meets	High-Dimensional Sp	oatiotemporal Chal	lenges - A Case Study	of COVID-19 Modeli	ing				

Nanzhou Hu, Bahar Dadashova and Zhe Zhang	Exploring Sentiment Changes About Active Transportation During COVID-19 Using Social Media Data Mining							
Kai Sun, Yingjie Hu and Kenneth Joseph	GALLOC: A GeoAnnotator for Labeling LOCation descriptions from disaster-related text messages							
Hao Yang and Xiaobai Yao	Frequent Activity Pattern Mining and Similarity Analysis of Human Mobility							
Session 7 Closing (18:00-18:05)								