LocBigDataAl 2023 Program (version: Aug	ust 3, 202	3)									
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	a max. 12 minute	presentation and	d use the rest for	Q&A.							
For onsite participants: Registration starts at 8:30 at The Capetonian Hol	el.										
Session 1 Opening (9:00-9:15) - Chair: Haosheng Huang											
Session 2 (9:15-10:30) - Chair: Angela Yao											
ao 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	Uncovering the global and local structures of urban networks via Poincare Embedding										
Coffee break (10:30-11:00)											
ession 3 (11:00-12:30) - Chair: Xintao Liu											
heng Ren, Stefan Seipel and Bin Jiang	Topological representation for Identifying Urban Centers Using Multi-Source Geospatial Big Data										
oungok Kang, Jiyeon Kim, Jiyoung Park and Jiyoon Lee	Assessment of Perceived and Physical Walkability Using Street View Images and Deep Learning Technology										
ing Long and Yue Ma	Exploring the relationship between the urban design quality and physical spatial disorder of streets with massive street view images										
hir Gravitz, Adi Levy, Shani Zehavi, Ori Bryt, Dalit Shach-Pinsly and Pnina Plaut											
′unya 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										
inhua Meng and Hua Liao	Analyzing Spatio-Temporal Pattern of Cognitive Load in Real-World Wayfinding Using Pupillary Responses										
Lunch break (12:30-13:30)											
Session 4 (13:30-14:45) - Chair: Jukka Krisp											
Ainglei Liao and Xintao Liu	Characterizing ten	nporally fragment	ed mobility netwo	ks in virtual space	e using uniform reso	ource locator (URL) dat	a				
Anna Brauer, Ville Mäkinen and Juha Oksanen	Characterizing temporally fragmented mobility networks in virtual space using uniform resource locator (URL) data Time-based solutions for strengthening location privacy in GNSS-based human mobility trajectories										
imon Sachweh, Helen Kuhlmann and Thomas Liebig	Empowering Data Owners with Homomorphic Encrypted Federated Learning in Decentralized Data Spaces										
luanfa 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)											
ession 5 (15:15-16:30) - Chair: Bin Jiang											
usanne Bleisch and Daria Hollenstein	Guidance on acce	ssible routes base	d on path characte	ristics derived fro	m high-density poir	it clouds					
hahram Sattar, Peyman Azari, Gopika Rajan and Songnian Li	3D City Modeling of Toronto: Lessons Learned										
Venyu Wang, Zhenhua Chen and Kailai Wang	Assessing the Imp	act of the 2021 Te	xas Winterstorm [isaster on Social (Group Vulnerability	and Resilience: A Spati	ial Flow Analysis a	nd Deep Learning	Approach		
alin Yang, Yanan Wu and May Yuan	Quantify the spati	al association of p	laces and social ev	ents							
'unlei Liang, Jiawei Zhu, Wen Ye and Song Gao	GeoAl-Enhanced	Spatial Network Co	ommunity Detection	on using Node Att	ibutes and Spatial I	nteractions					
Coffee break (16:30-17:00)											
Session 6 (17:00-18:15) - Chair: Juha Oksanen											

Farnoosh Roozkhosh and Angela Yao	Spatially Explicit Analysis of Dementia Prevalence and its Relationship with Geographic and Socioeconomic Factors								
Binbin Lin, Yimin Dai, Ning Ning and Lei Zou	Statistical Machine Learning Meets High-Dimensional Spatiotemporal Challenges - A Case Study of COVID-19 Modeling								
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 (18:15-18:20) - Chair: Haosheng Huang									