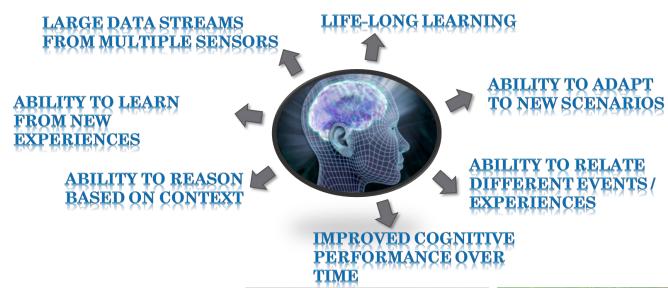


# Long-Term Pattern of Life Analysis and Anomaly Detection

Khurram Hassan Shafique, PhD

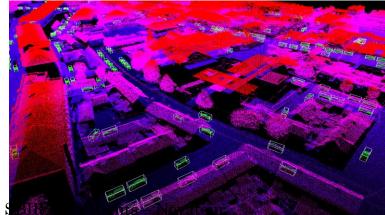
# NÖVATEUR

Solving key machine learning and sensor exploitation challenges to enable smart autonomous systems







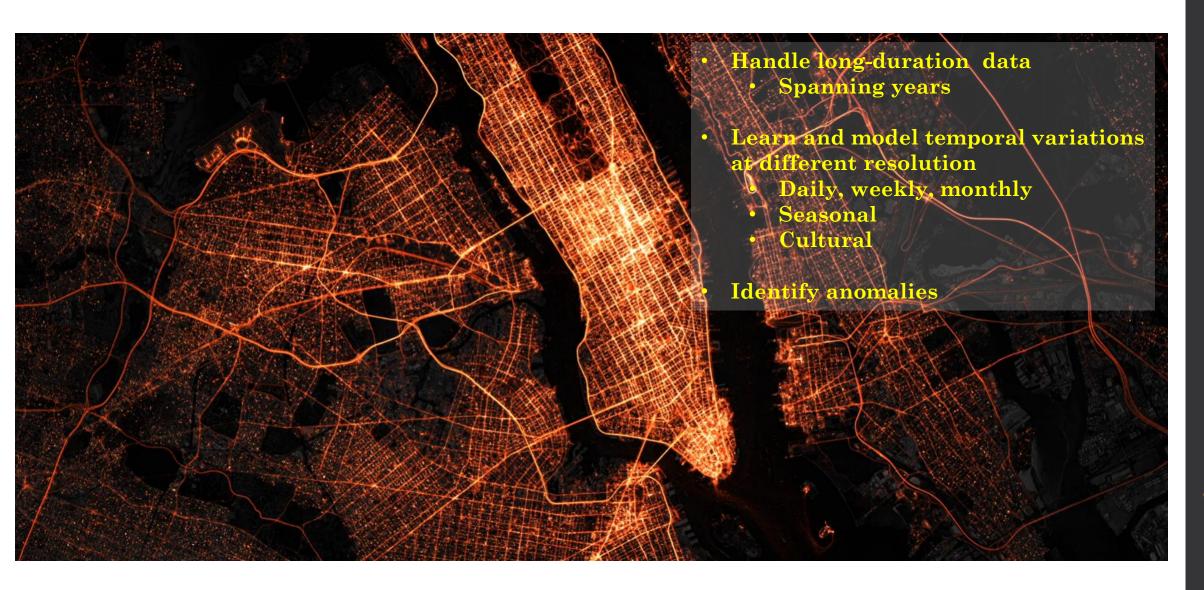




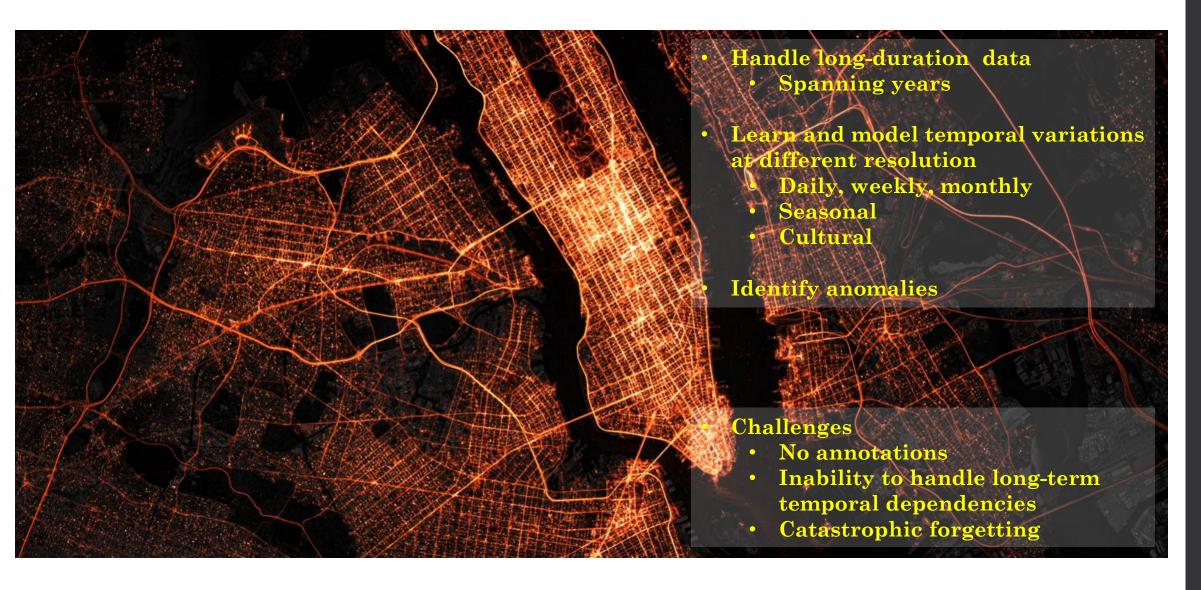




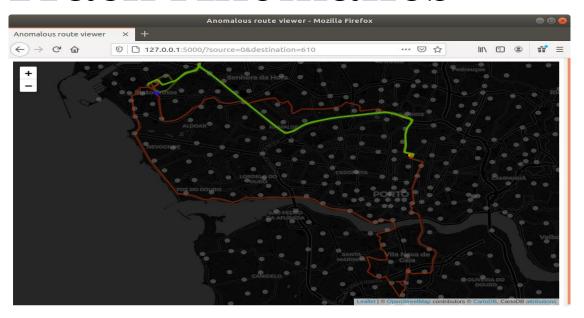
### Patterns of Life

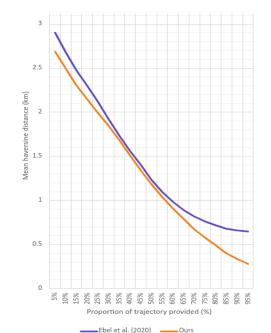


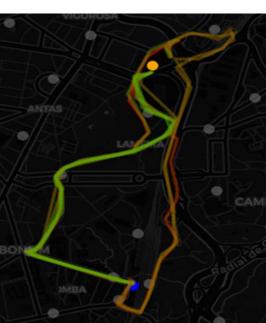
### Patterns of Life

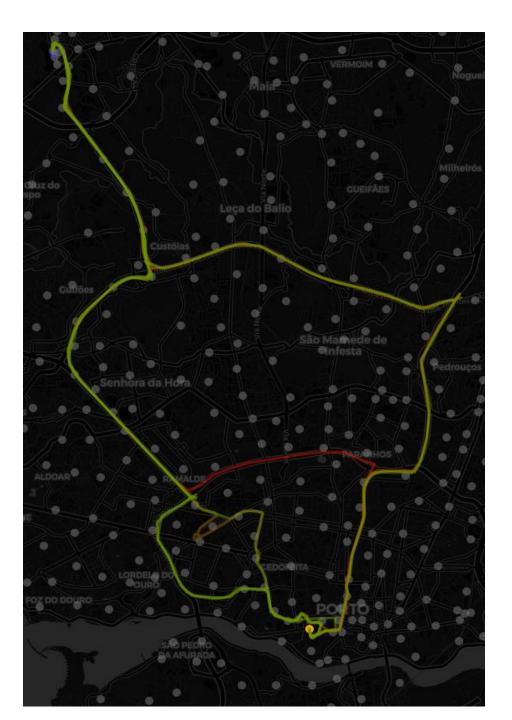


### Track Anomalies

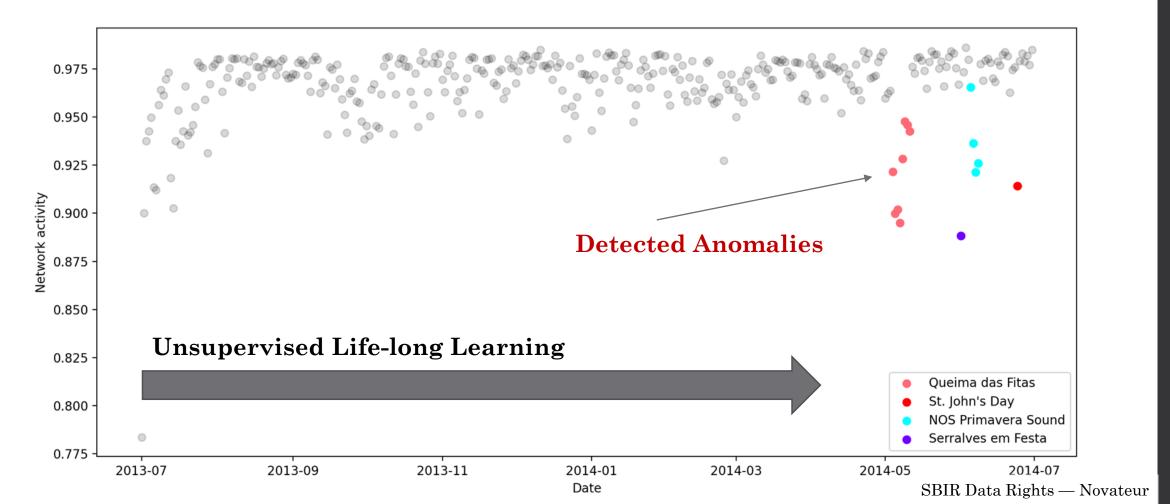


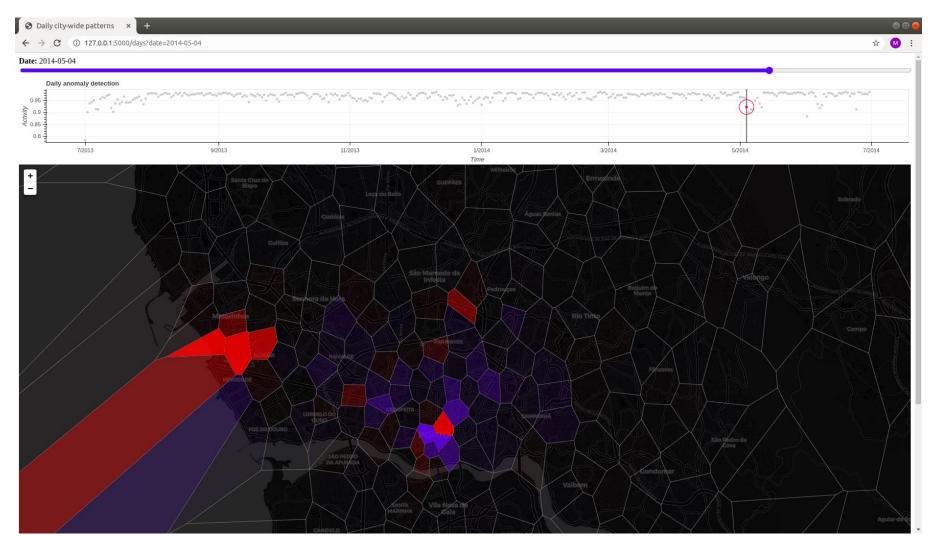




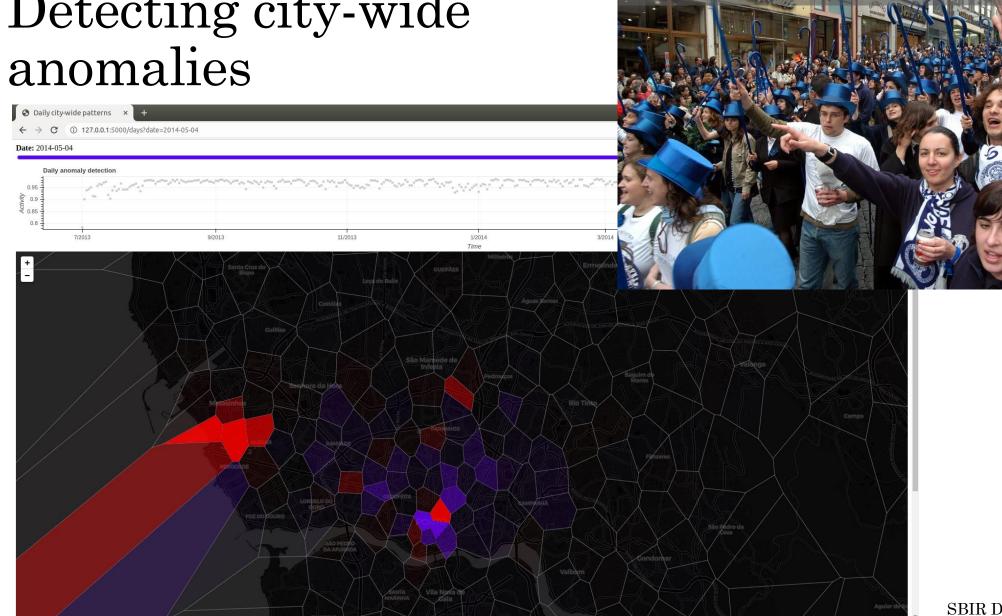


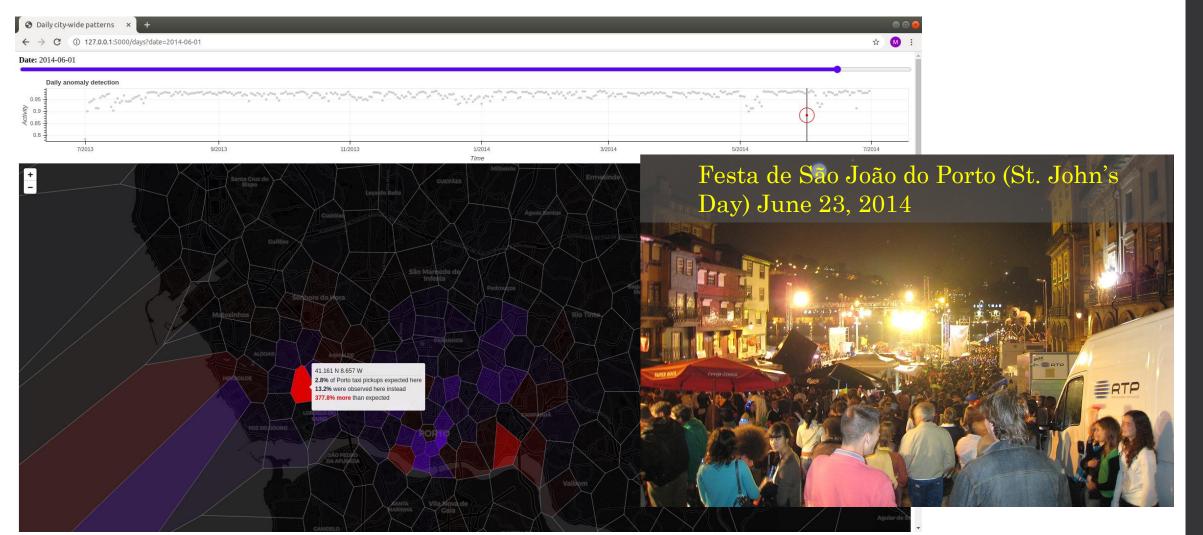
# City-wide Anomalies

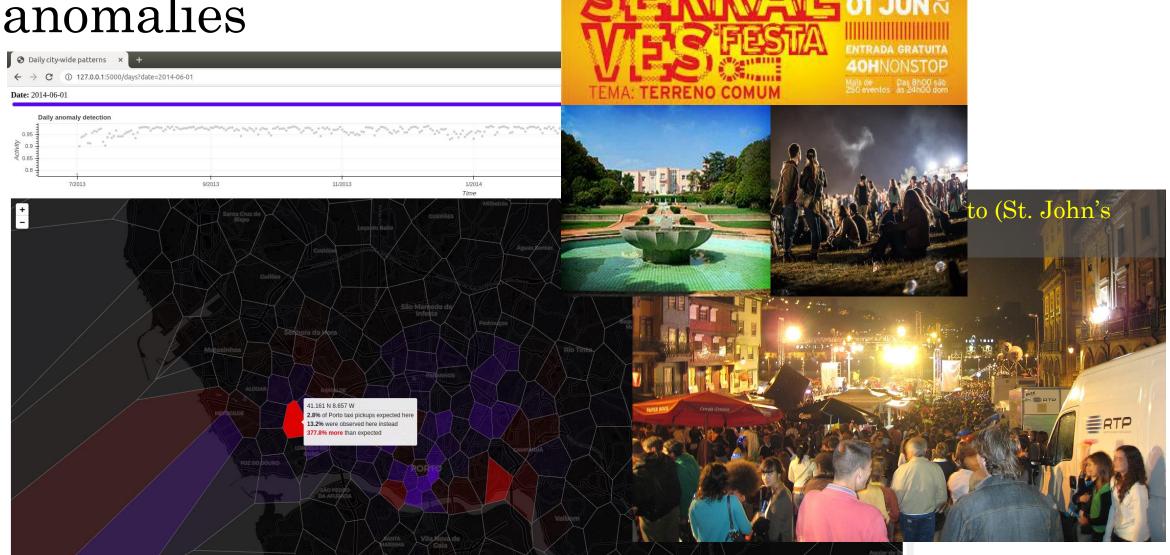




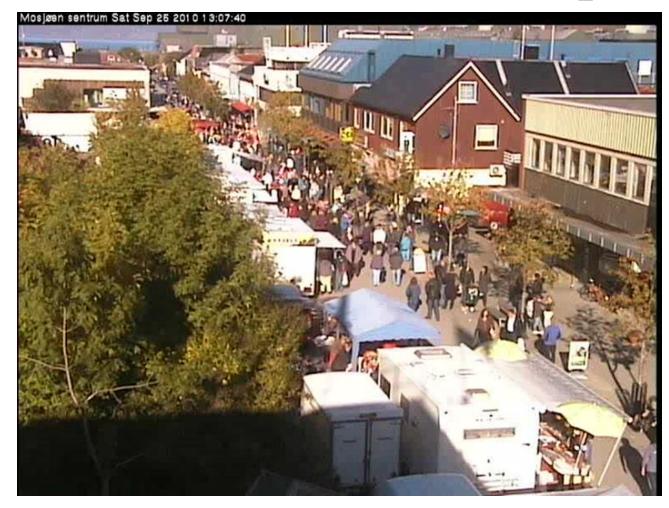
# Detecting city-wide

















# S

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