

The background of the slide is a black and white aerial photograph of a rugged, mountainous landscape. The terrain is characterized by deep, winding valleys and ridges, with several patches of bright white snow or ice clinging to the slopes. The overall texture is rough and organic.

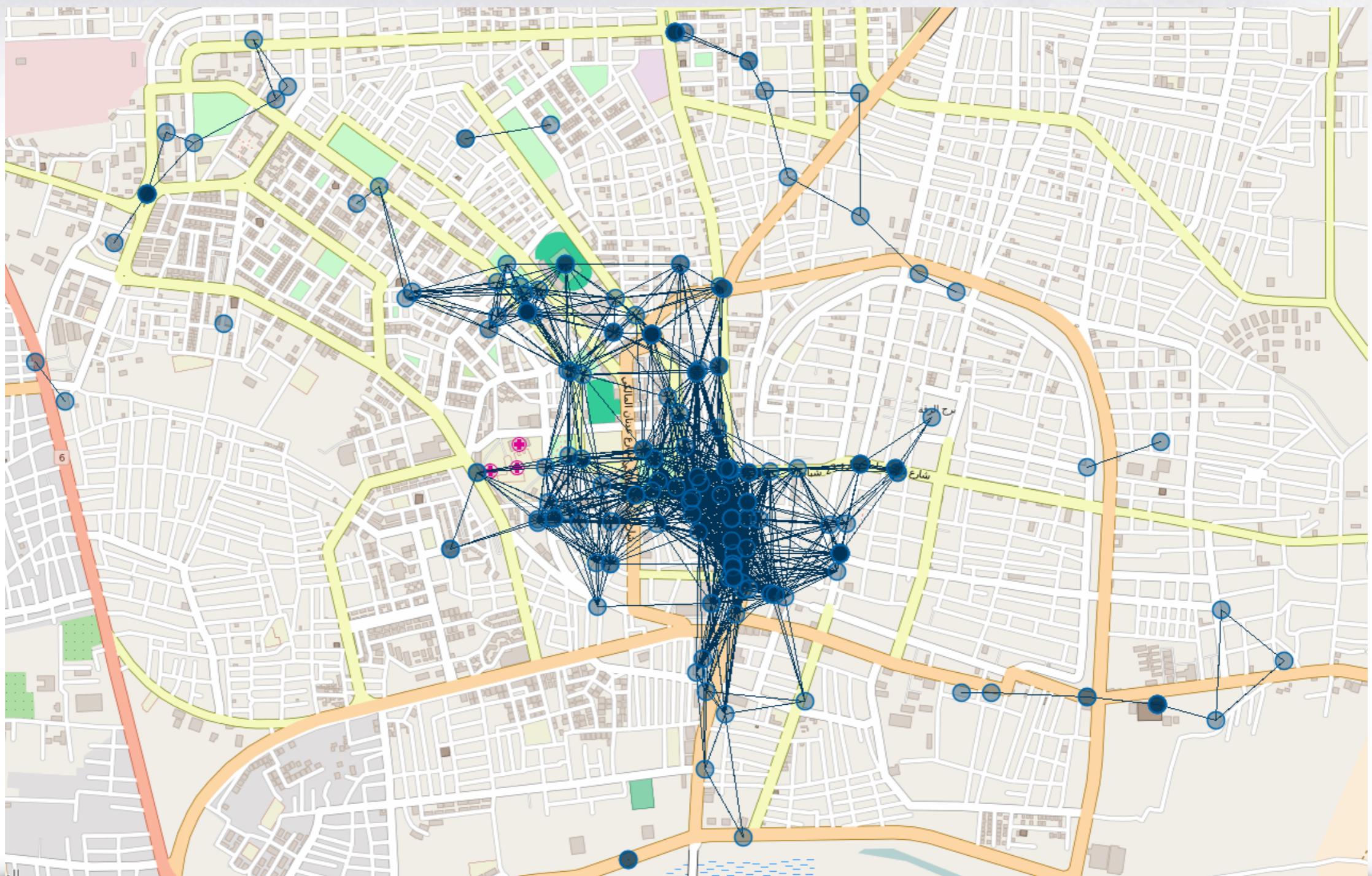
**SYMKALA**

**MSI Analytical Products**  
Coverage Analysis

# **Coverage Analysis:** Where Did We Collect Data?

# Full Coverage Map

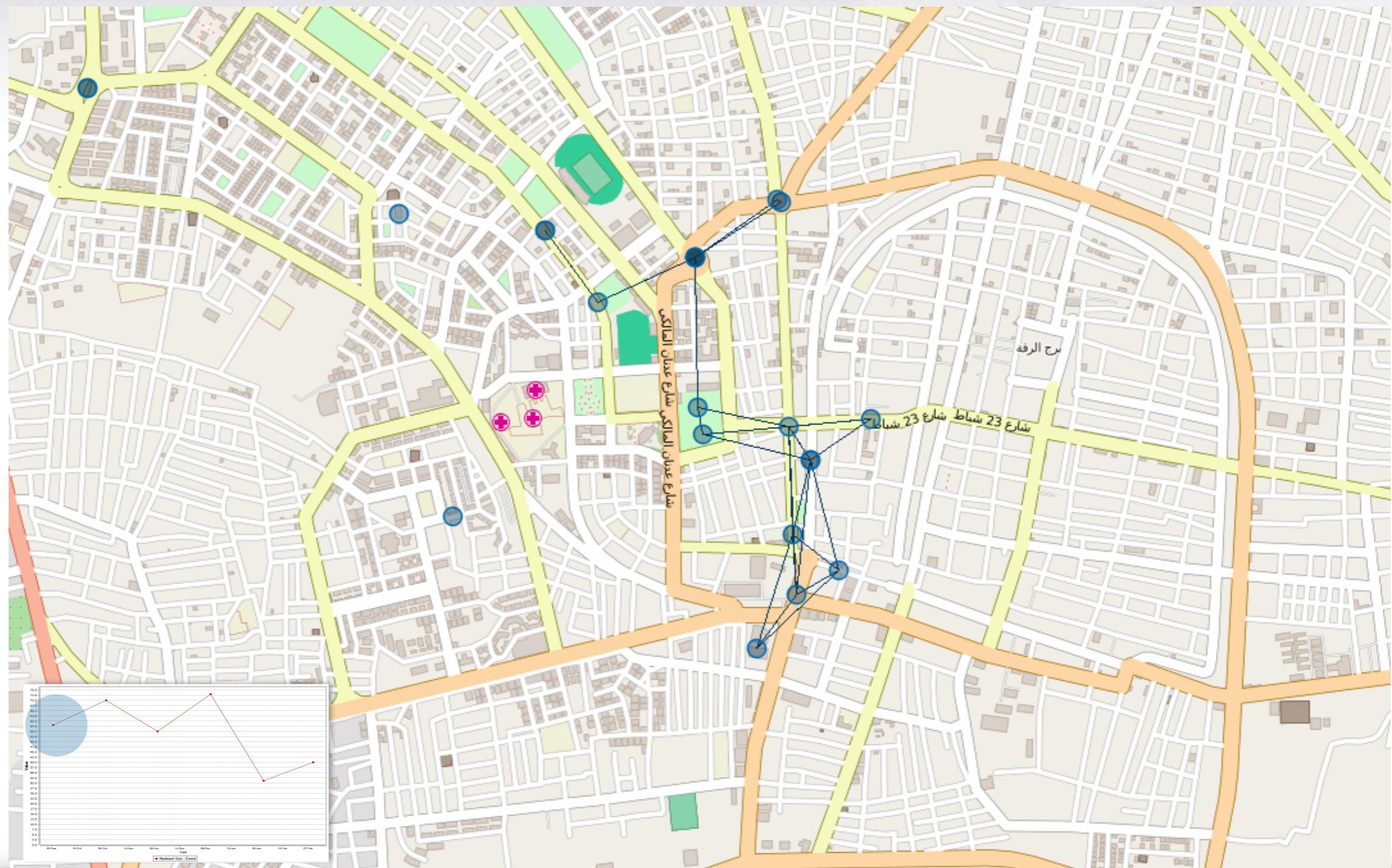
(All Geo-Coded Events)



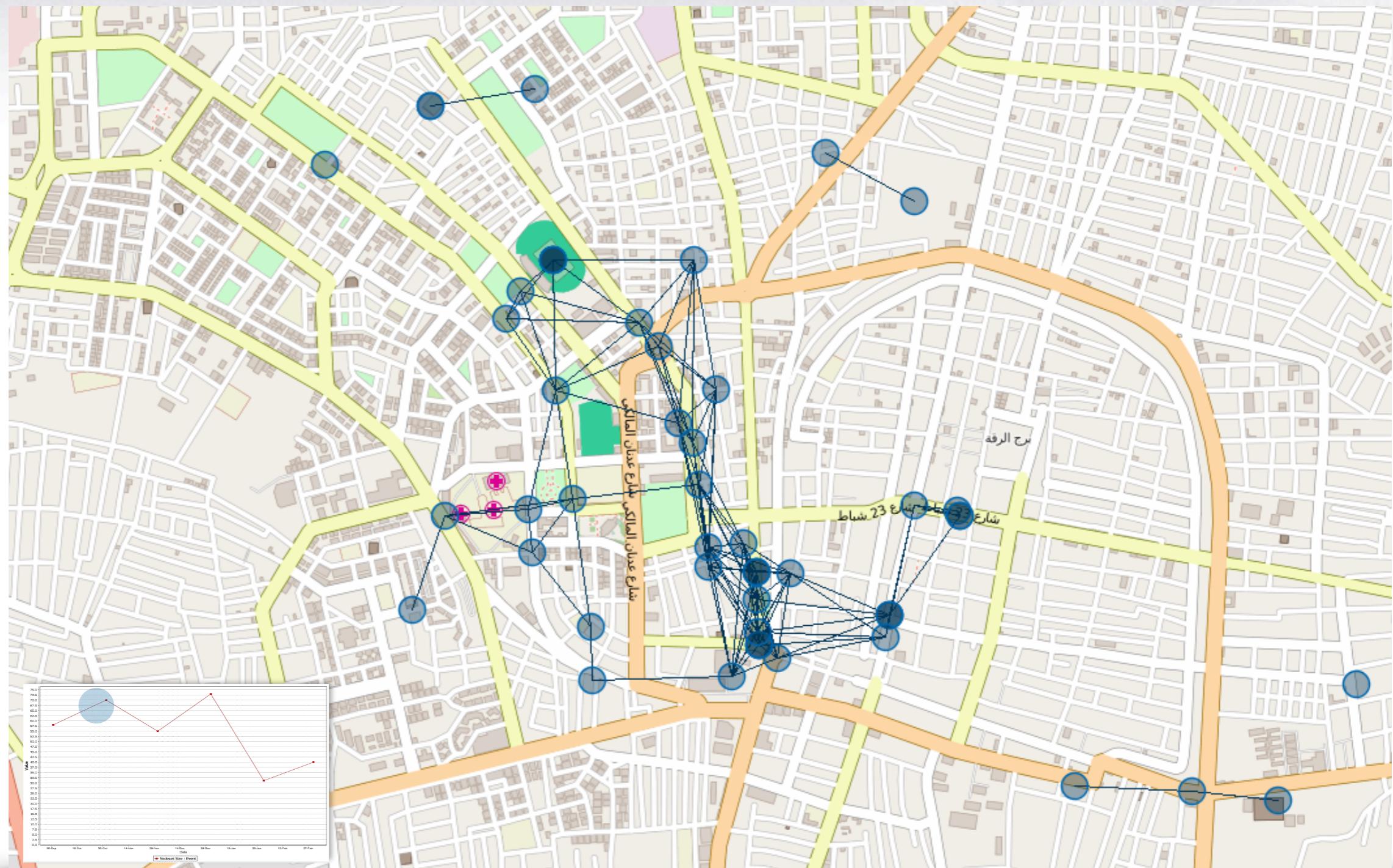
# Collected Events Per Month



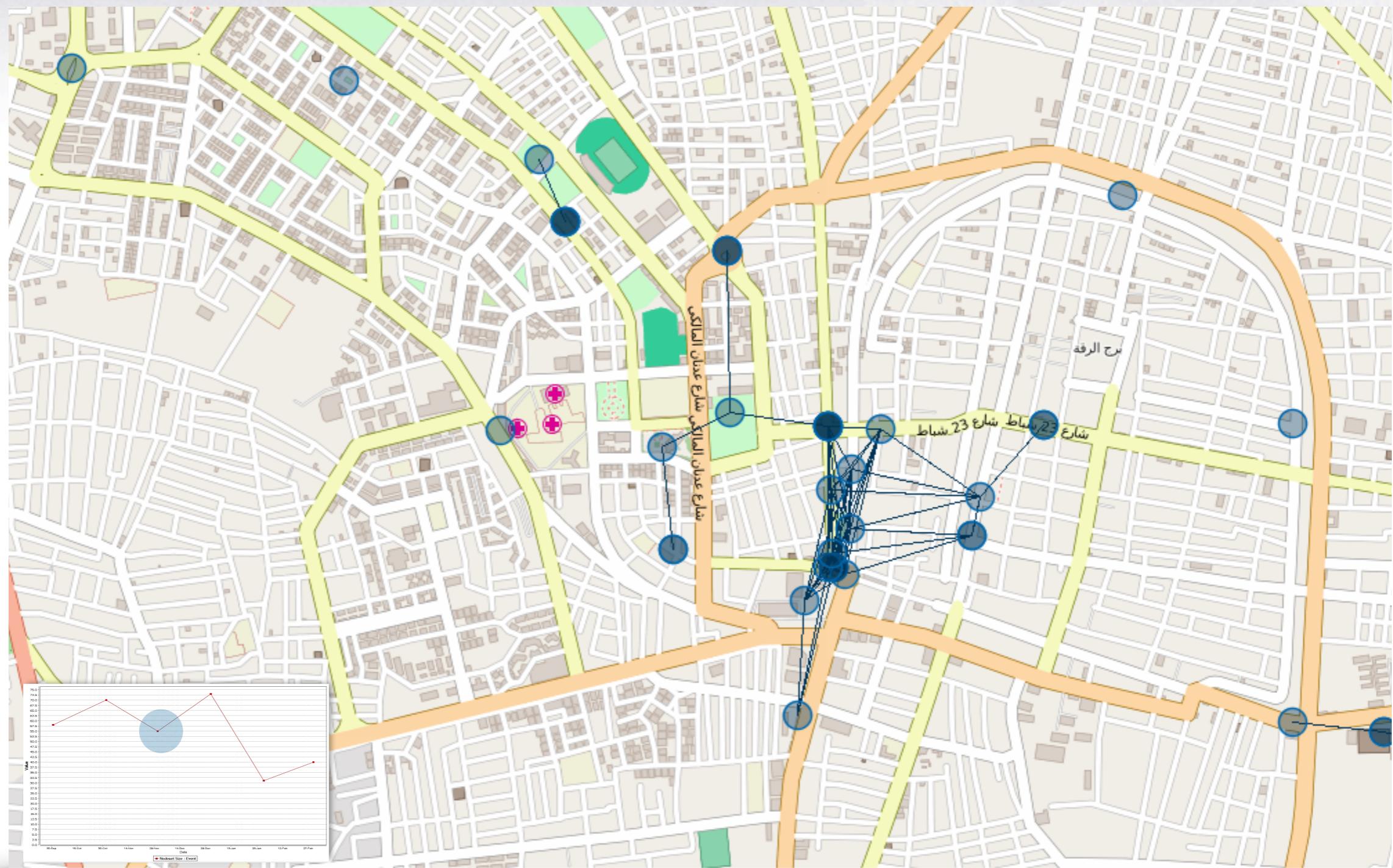
# Month 1, October 2015



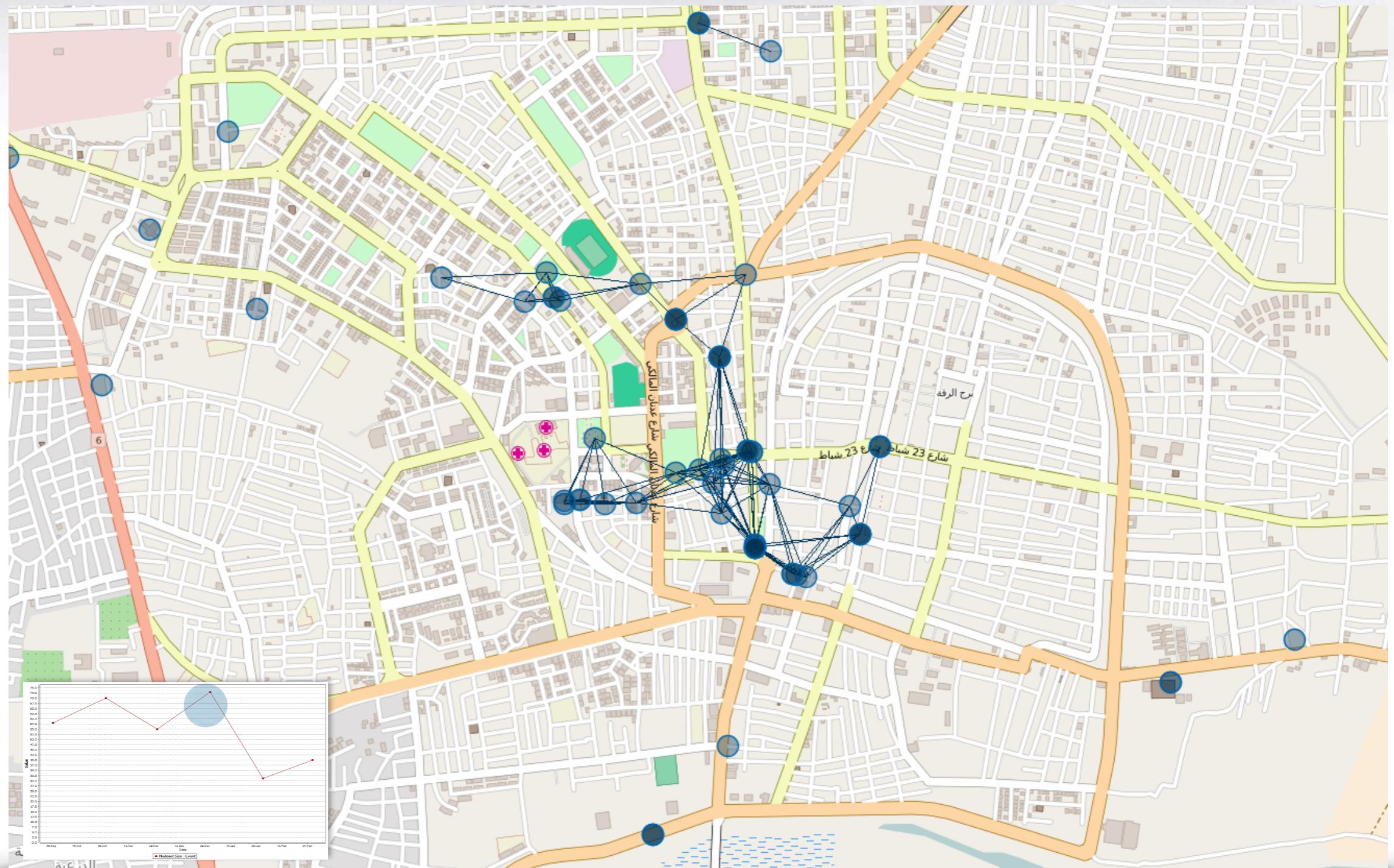
# Month 2, November 2015



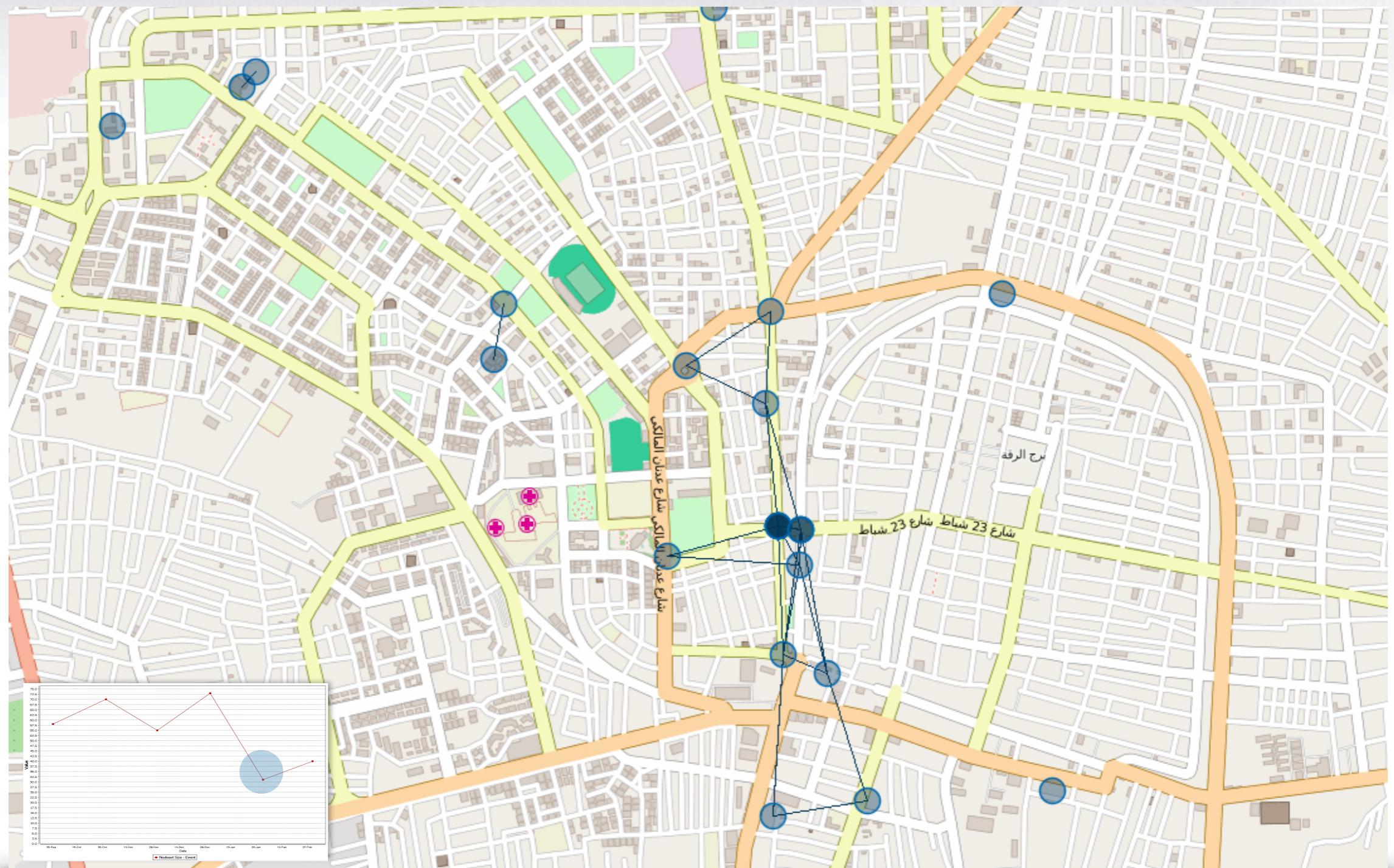
# Month 3, December 2015



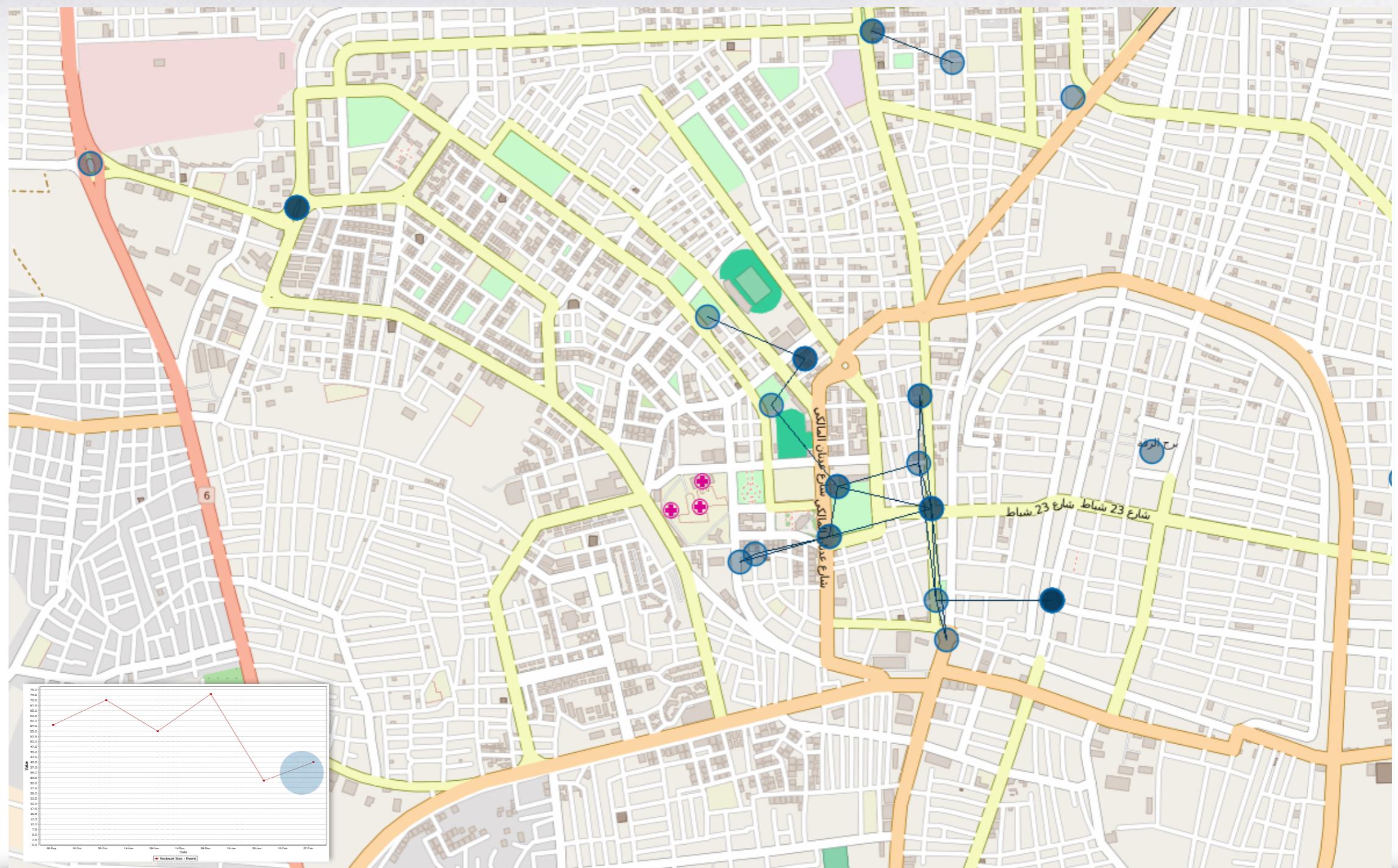
# Month 4, January 2016



# Month 5, February 2016



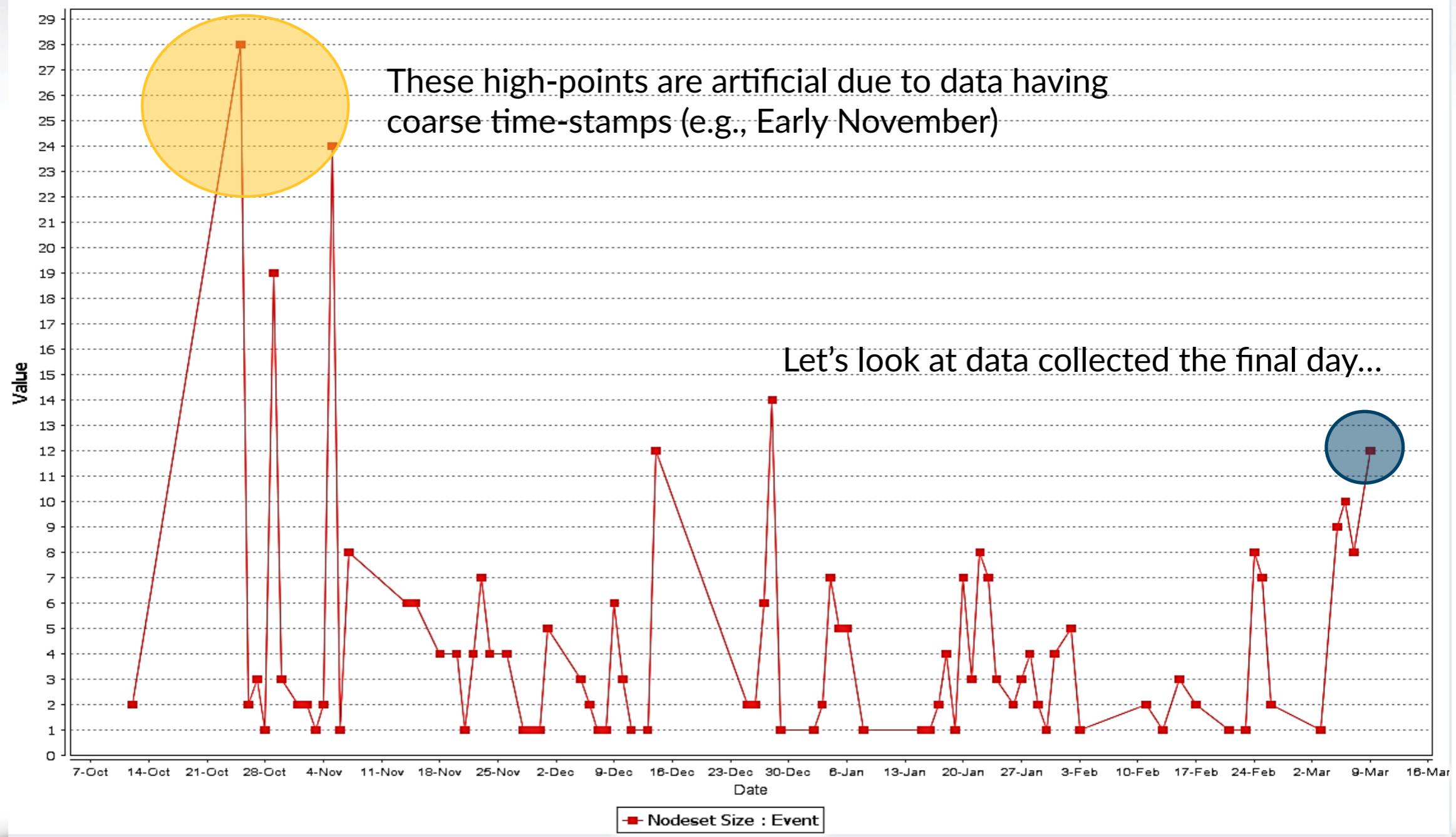
# Month 6, March 2016



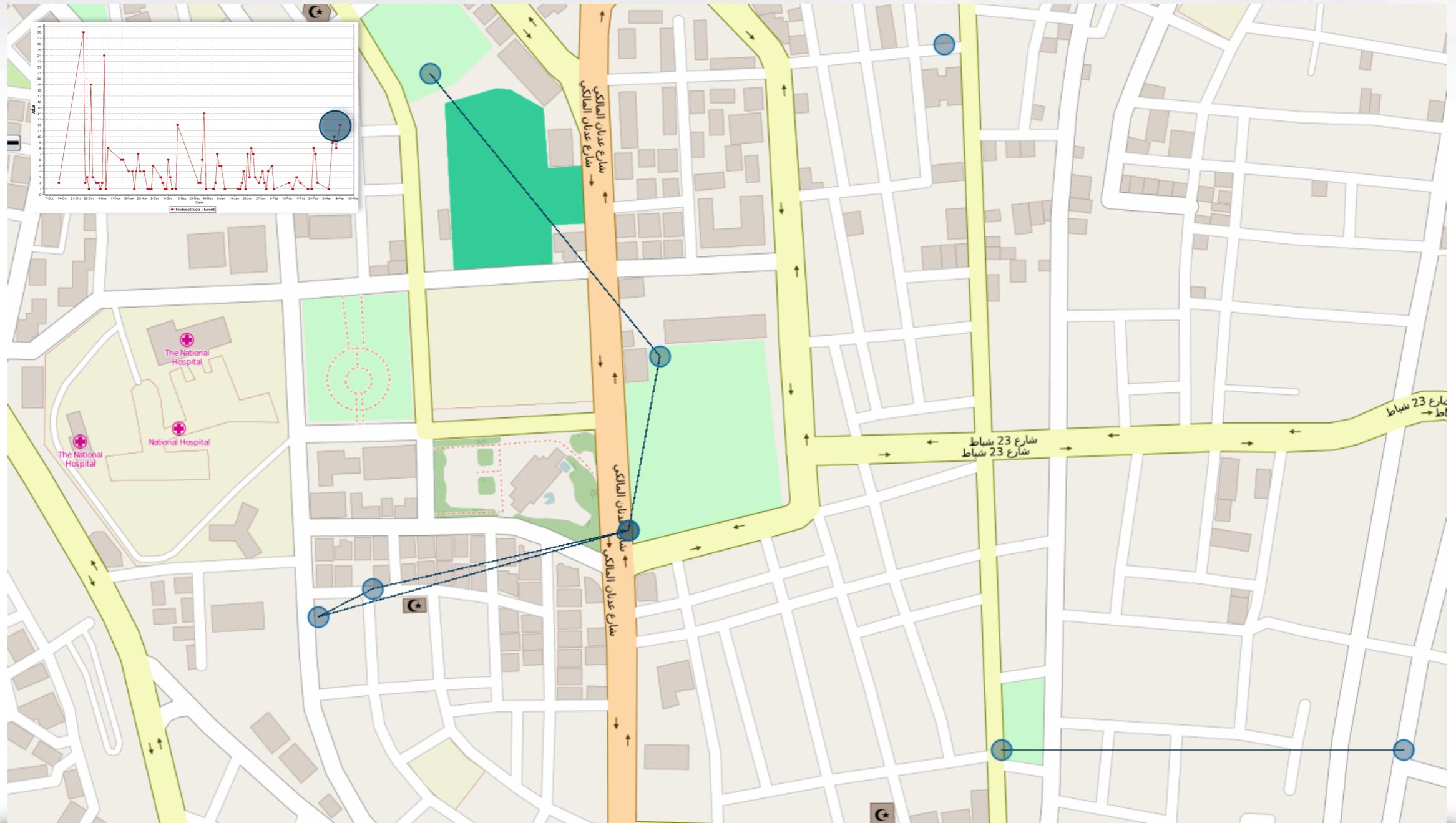
# **Data Collection Feedback:**

## Quick Response Times to Field Staff

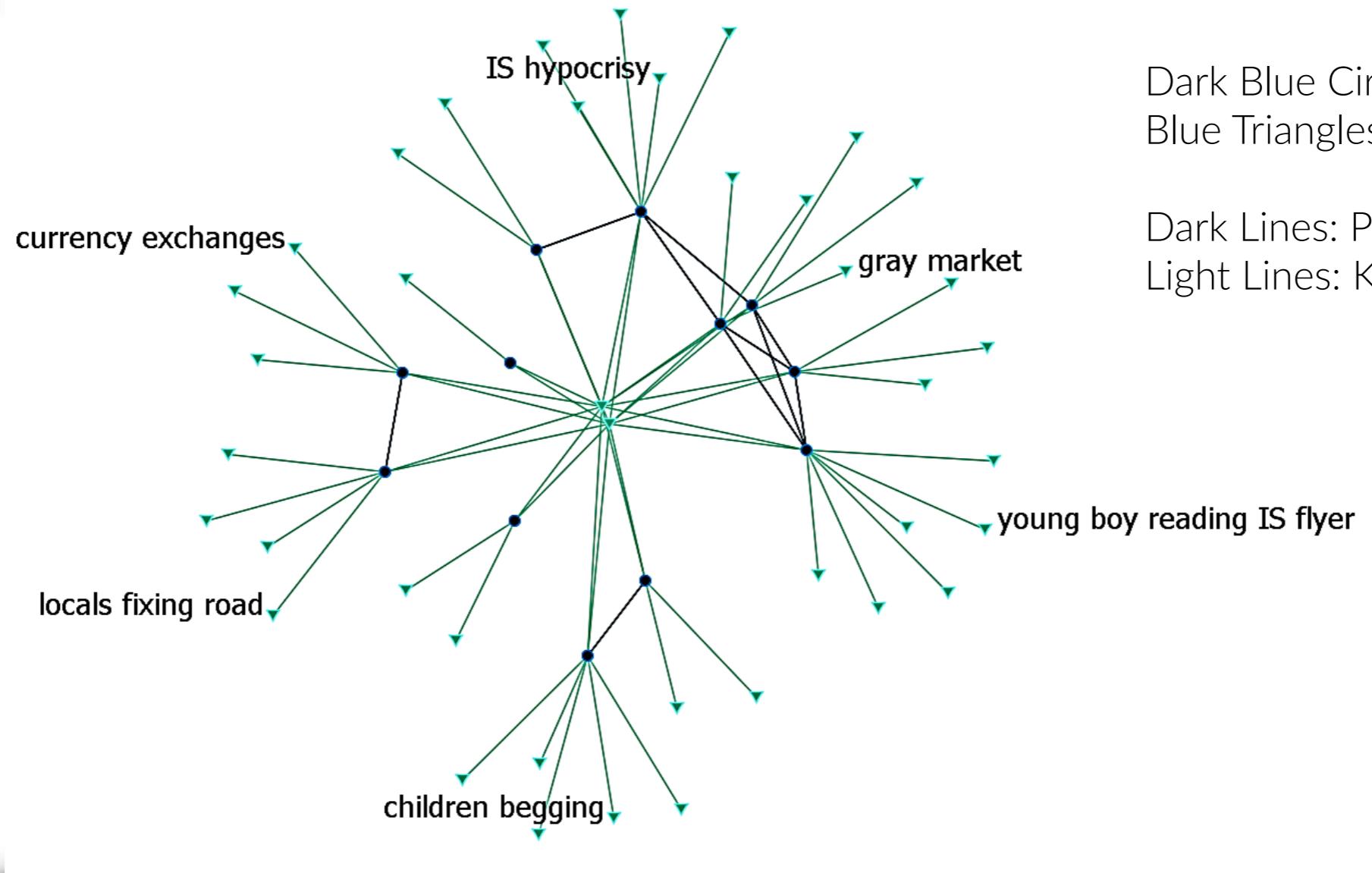
# Collected Events Per Day



# Final Day Collection Efforts



# Final Day Collection Efforts



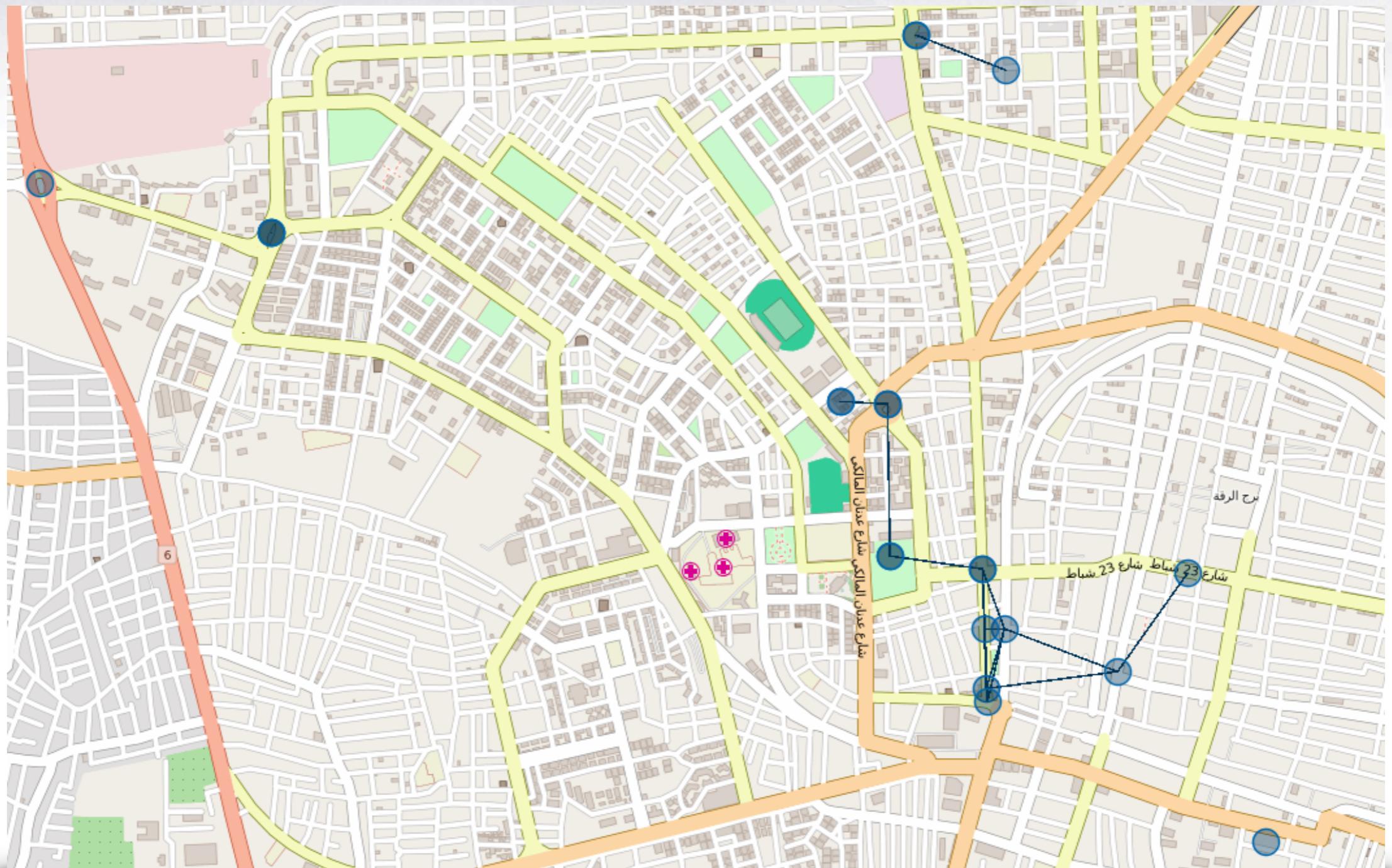
Dark Blue Circles: Photos  
Blue Triangles: Key-words

Dark Lines: Physical proximity  
Light Lines: Key-word tagging

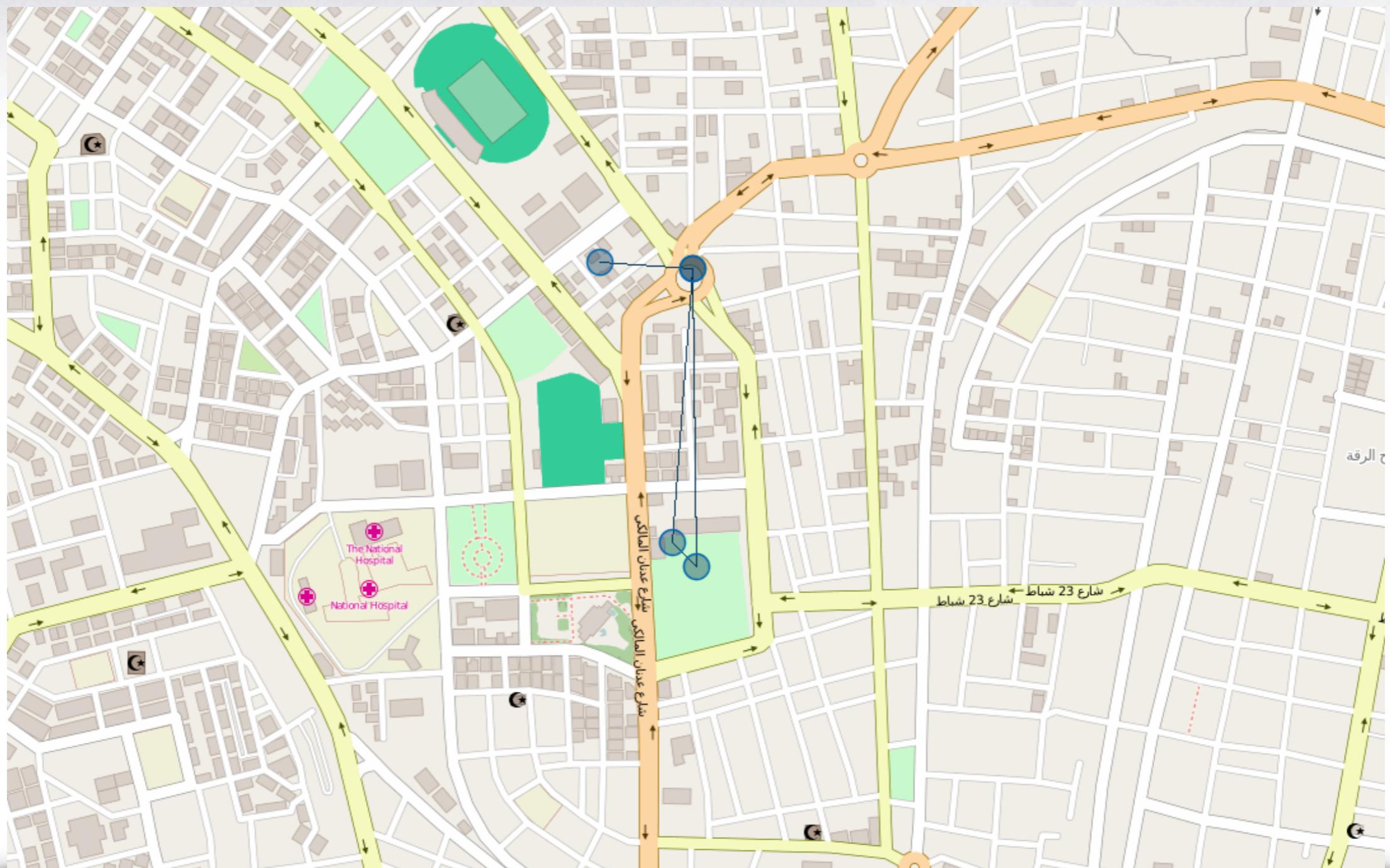
# **Geo-Spatial Mapping:**

## Sample Activities of Interest

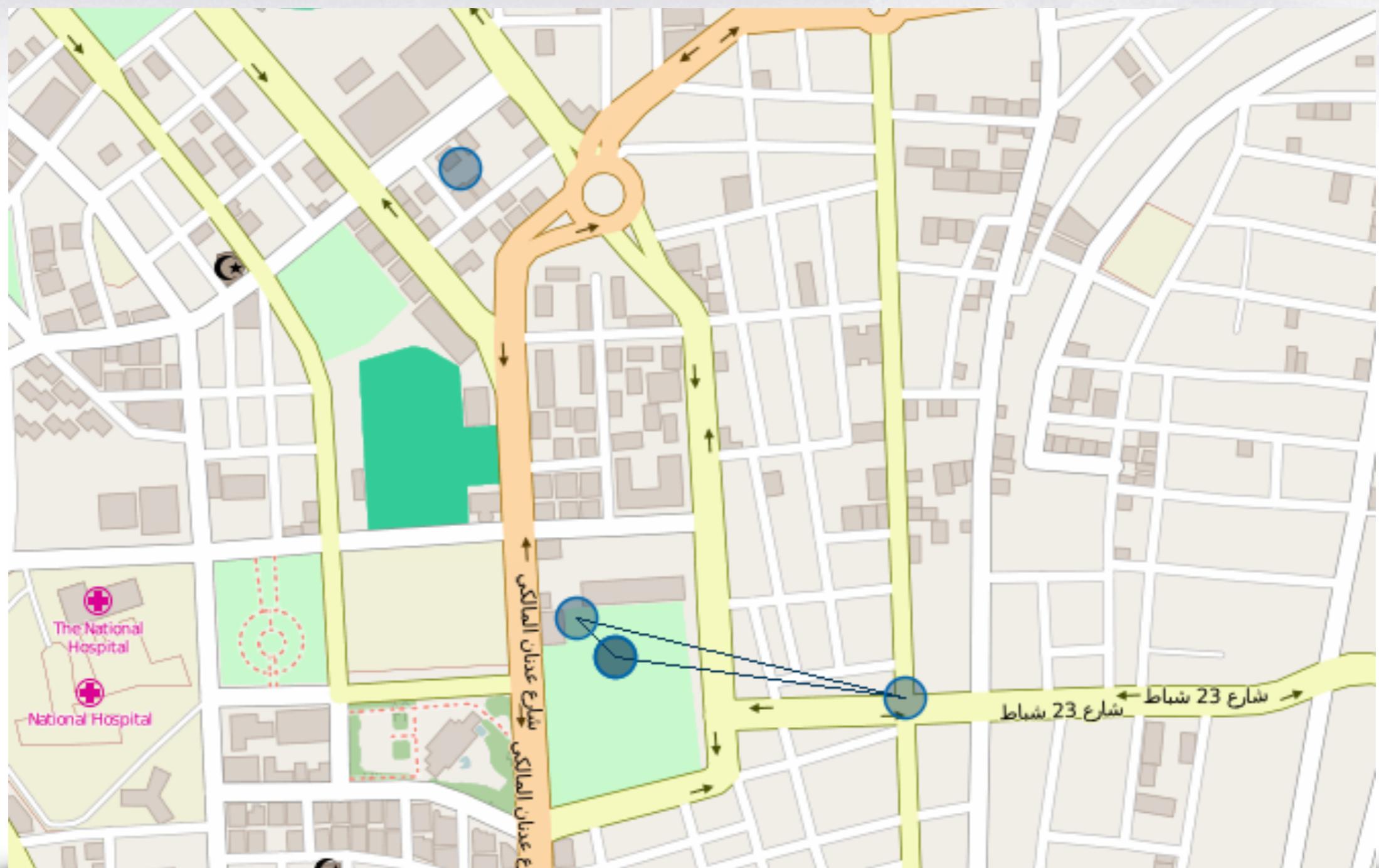
# Propaganda



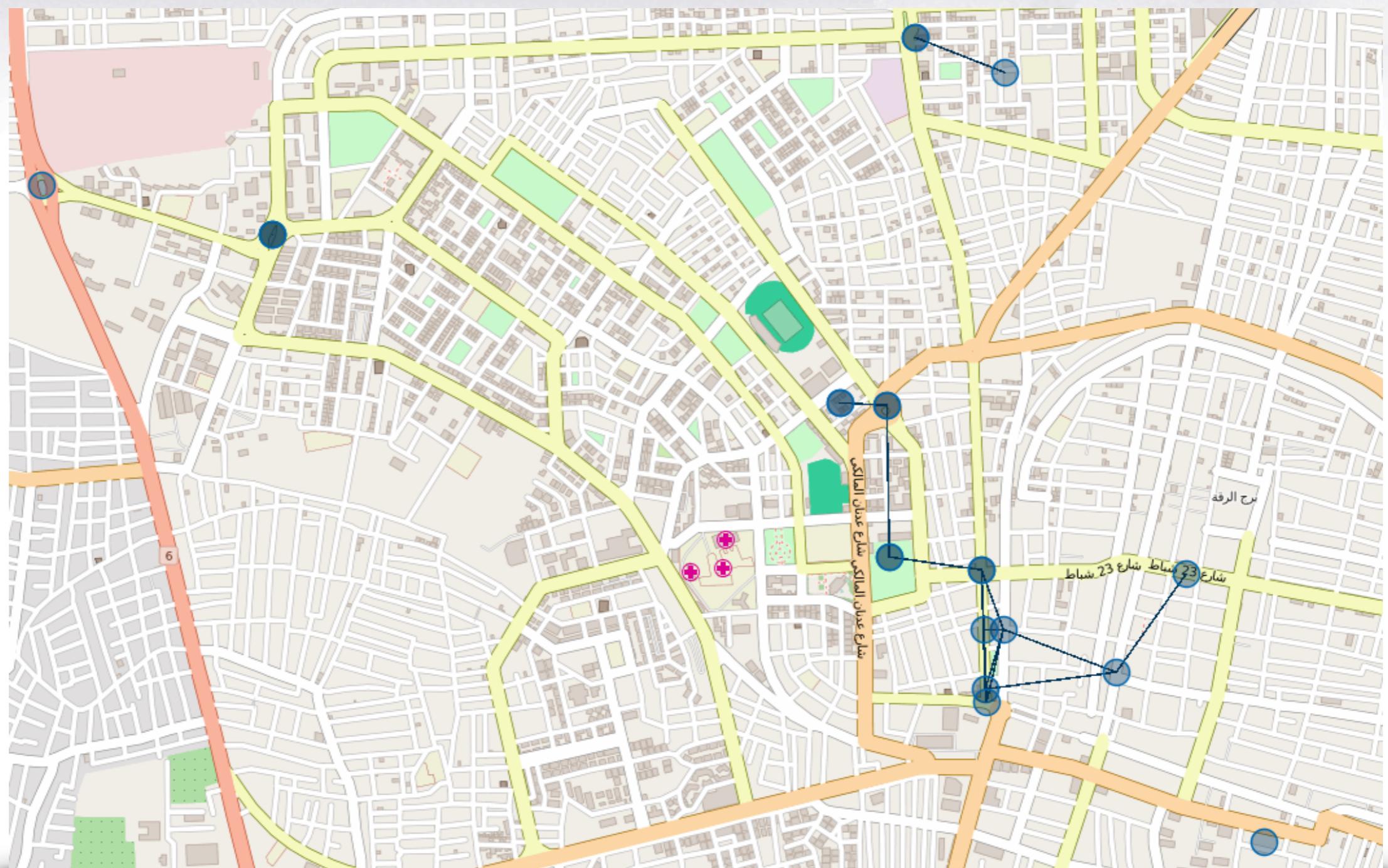
# Recruiting



# Media Points



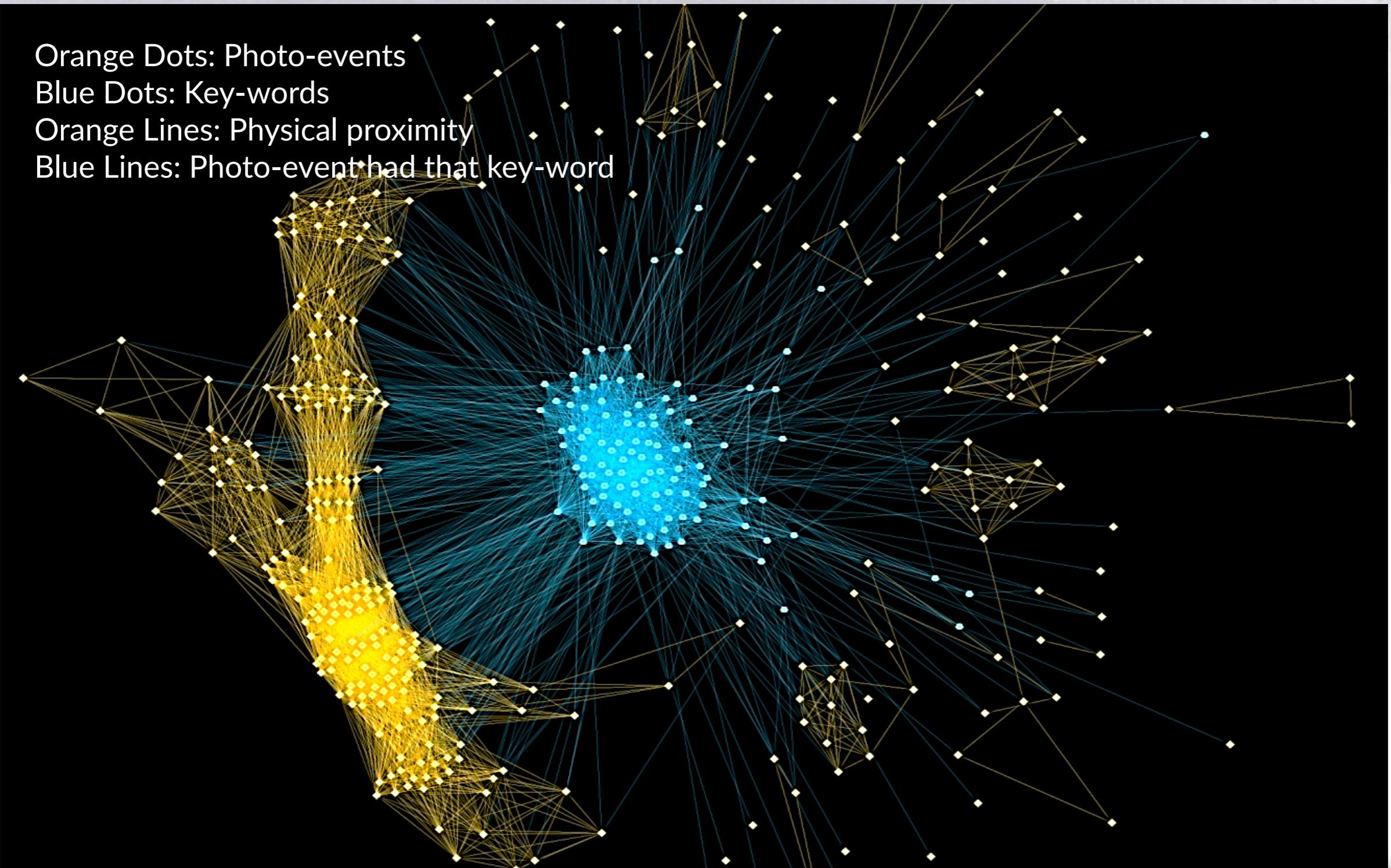
# Internet Cafes



# **Key-Word Co-Occurrence:**

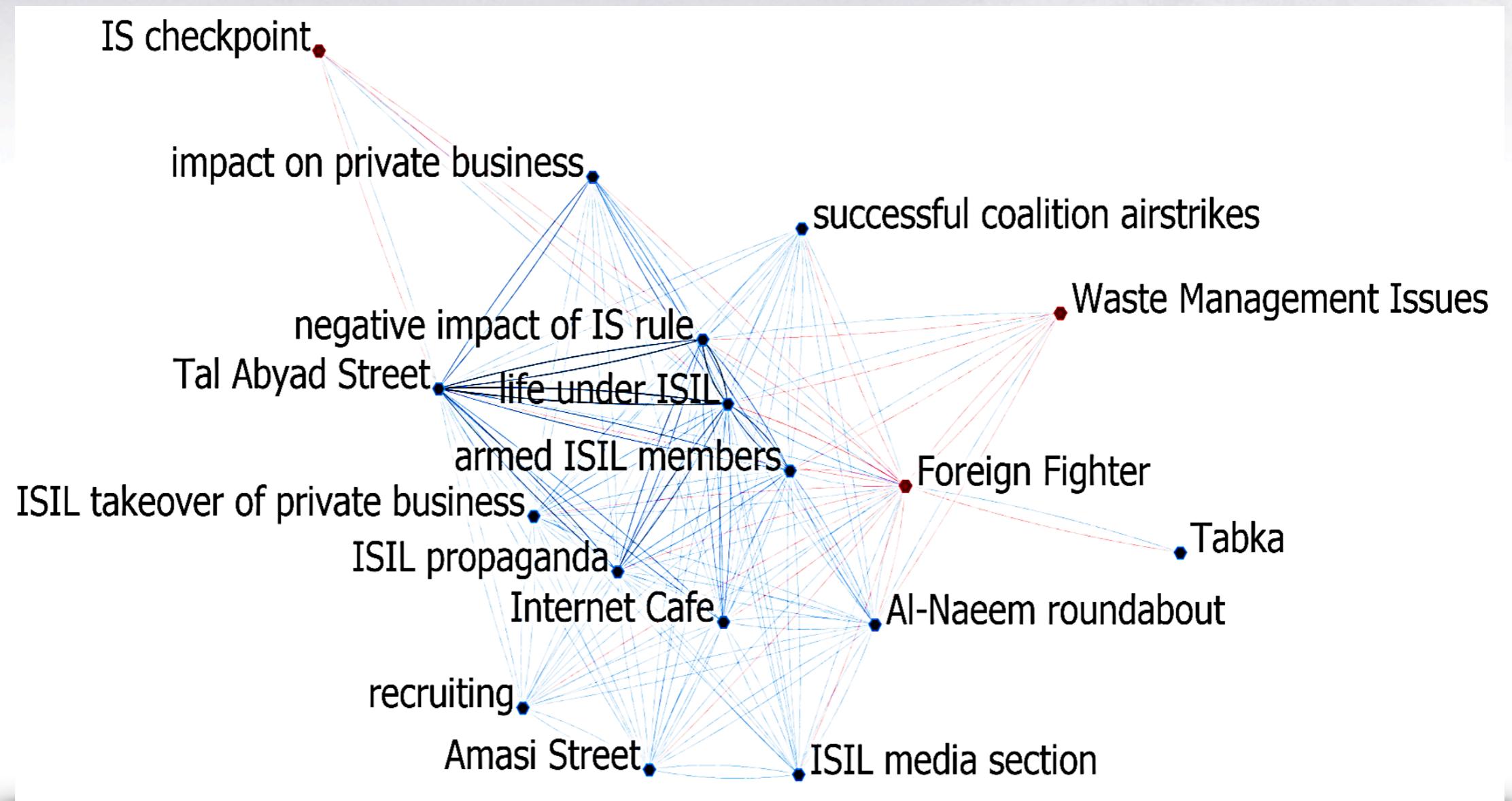
## What Tends to be Near What?

# All Events & Consolidated Key-Words



# Key-Word Subset

*A line on this graph means that the key-words tend to Be physically adjacent to each other in observed data*



## Subset of Findings:

Foreign Fighters are commonly near Tabka, but ISIL Militants are not.

Waste Management Issues are concentrated near Al-Naeem Roundabout

Most observed ISIL Checkpoints were near Tal Abyad Street

# Conclusions

- These and many more analyses and visualizations are available on the Symkala web-platform
- Key-Word Consolidation will be an important co-design challenge
- Use of the Symkala data archive as a “Living Index” should be considered as a potential next step