



City Rhythm

Explorative results, model
products and added value

10 July 2017

Agenda

Progress meeting

- Model recap 
- Exploratory results (10 min)
- Model Products and Benefits (15 min)
- Added value to existing monitors (10 min)
- Discussion (20 min)

LUNCH

Exploratory results I

Introduction

Feedback from last session

1. Difference with existing monitors
2. How can it be applied in policy setting?
3. Aspect of safety and social cohesion
4. Comparison across cities

Points 1-3 will be discussed later today

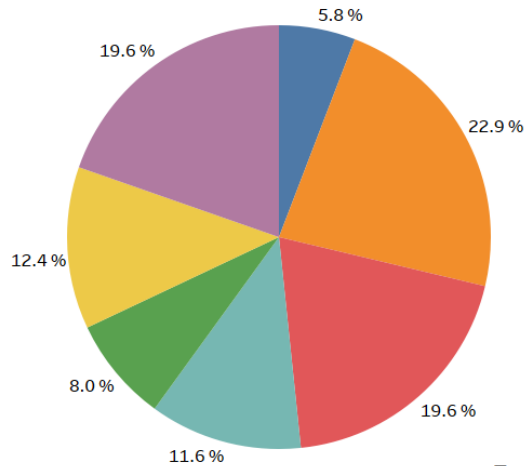
Comparison across cities

- Show intermediate results
- Insight into what happens behind the scenes

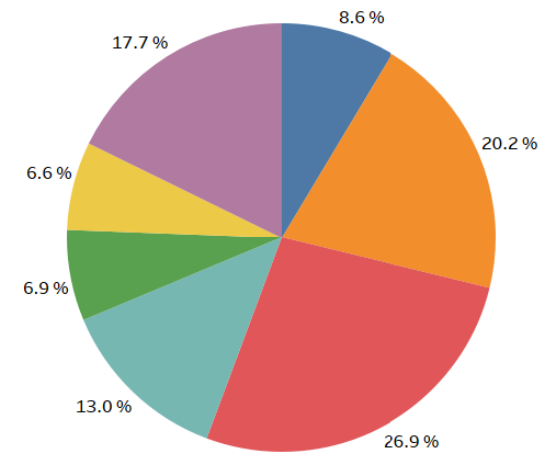
Exploratory results

Compare cluster distribution across Helmond, Zaanstad and Zoetermeer

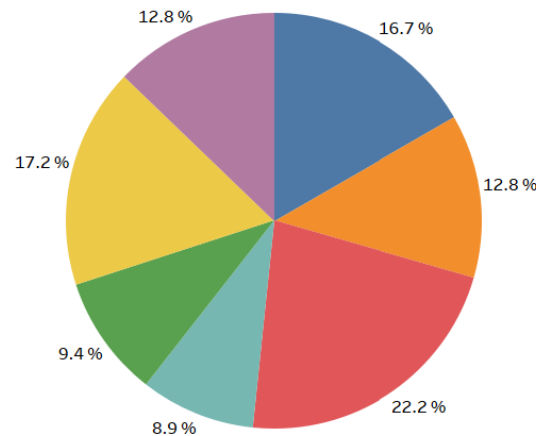
Helmond



Zaanstad



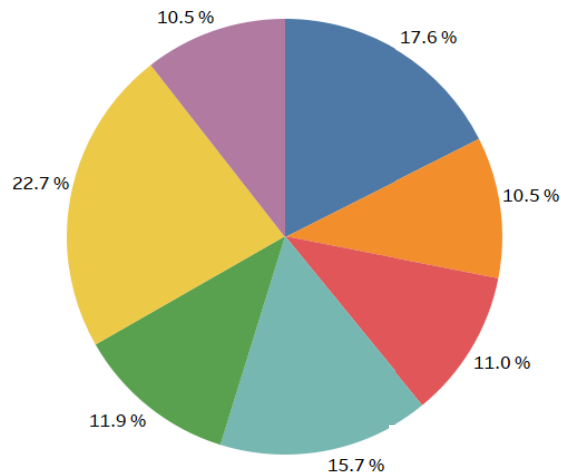
Zoetermeer



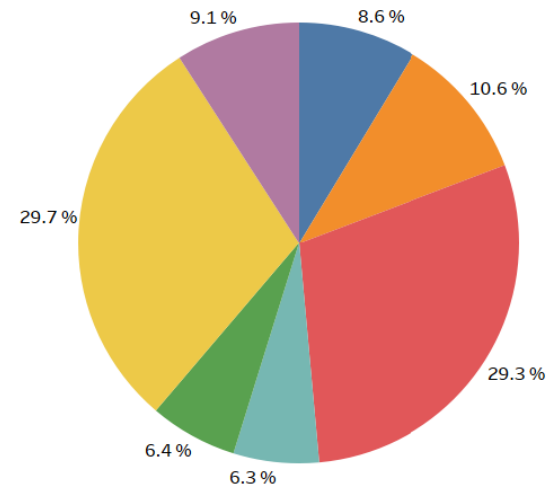
Exploratory results

Compare cluster distribution across Den Haag, Rotterdam and Amsterdam

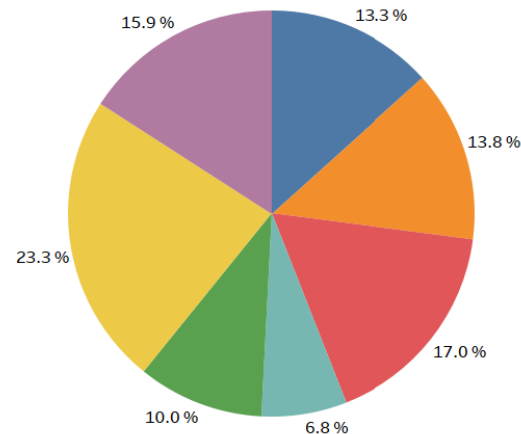
Den Haag



Rotterdam



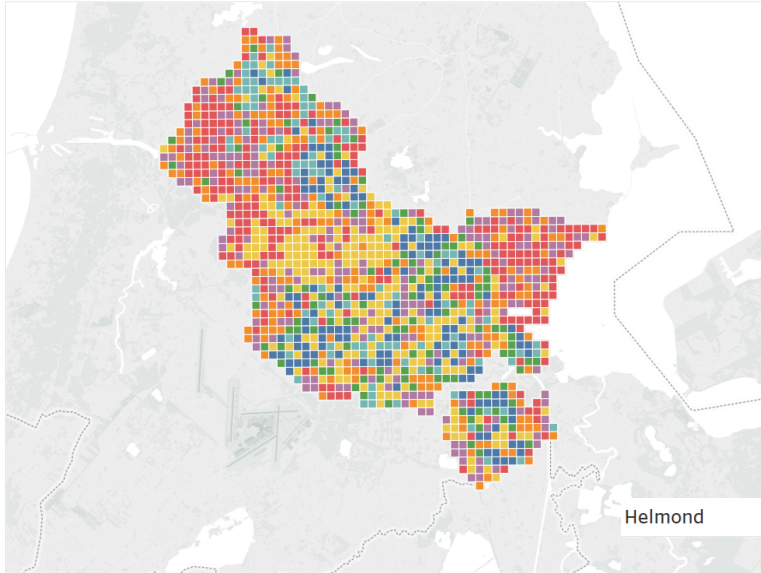
Amsterdam



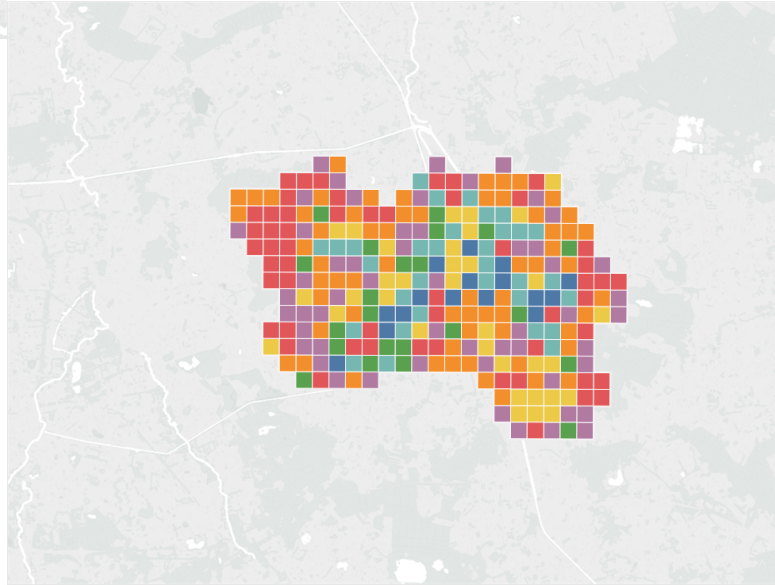
Exploratory results

Clusters - geographically

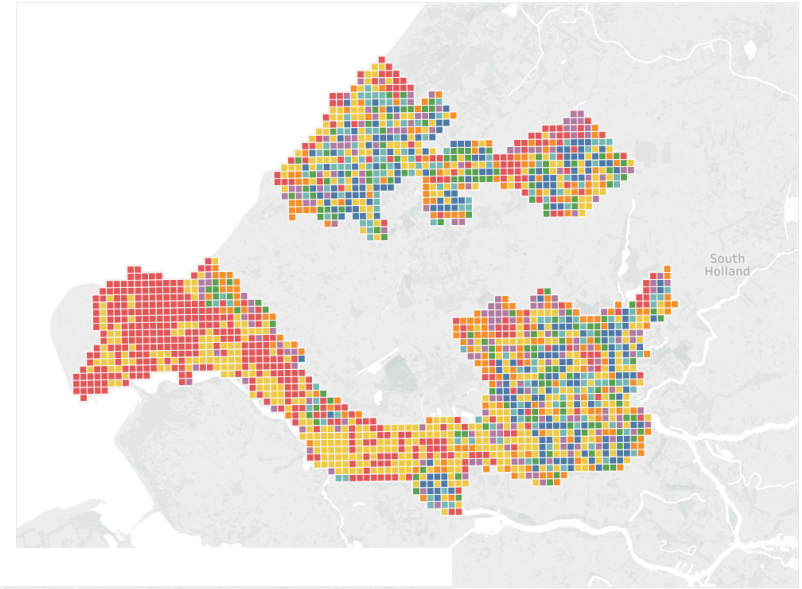
Amsterdam and Zaanstad



Helmond



Rotterdam, Den Haag and Zoetermeer

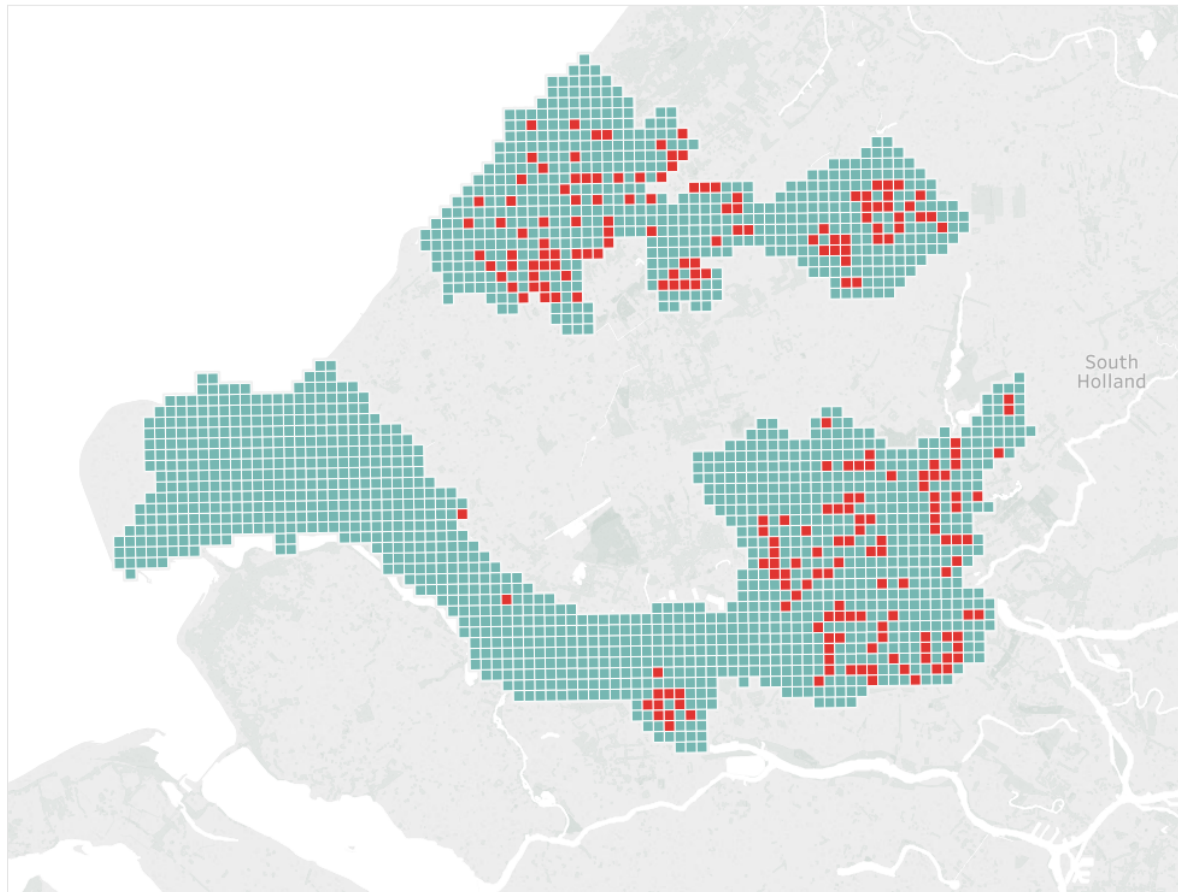


- Cluster 1
- Cluster 2
- Cluster 3
- Cluster 4
- Cluster 5
- Cluster 6
- Cluster 7

Exploratory results

Rotterdam, Den Haag and Zoetermeer - Cluster 1

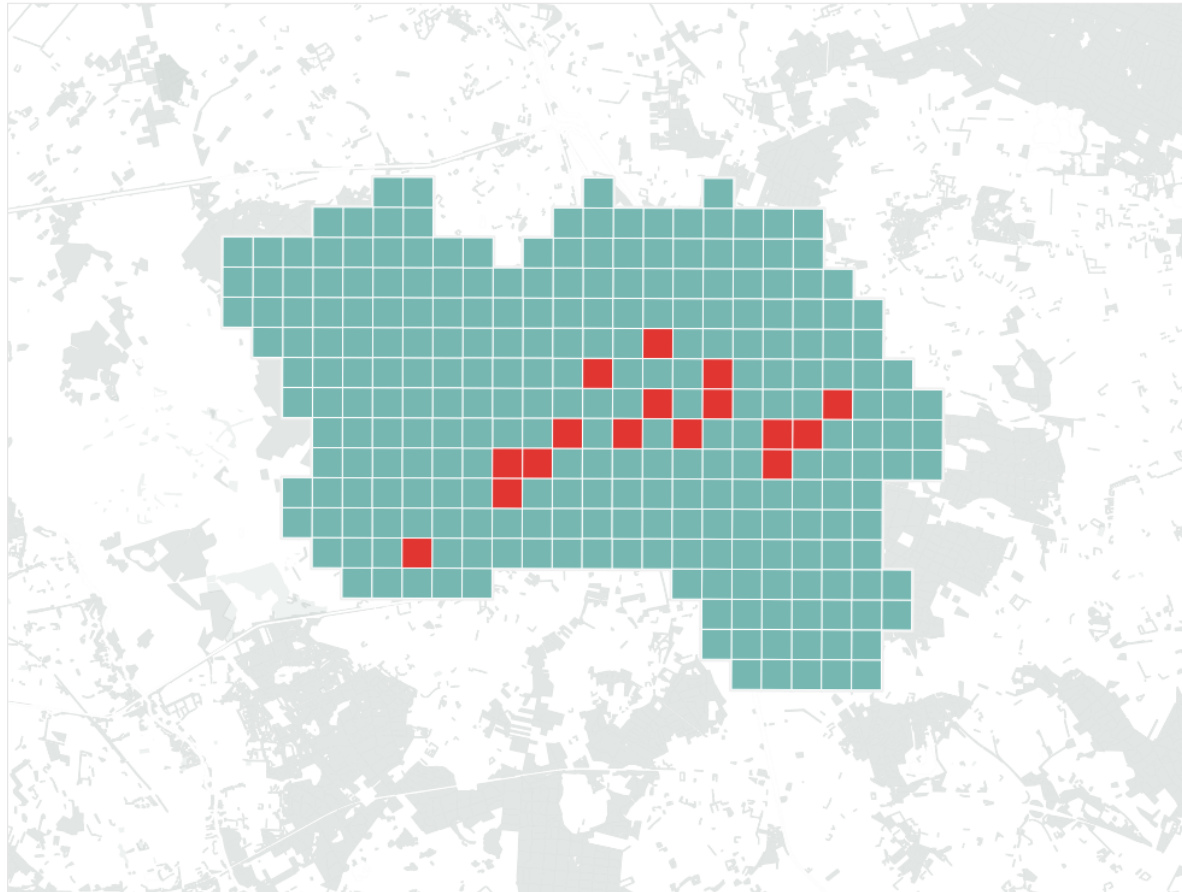
Rotterdam, Den Haag and Zoetermeer - Cluster 1



Exploratory results

Helmond - Cluster 1

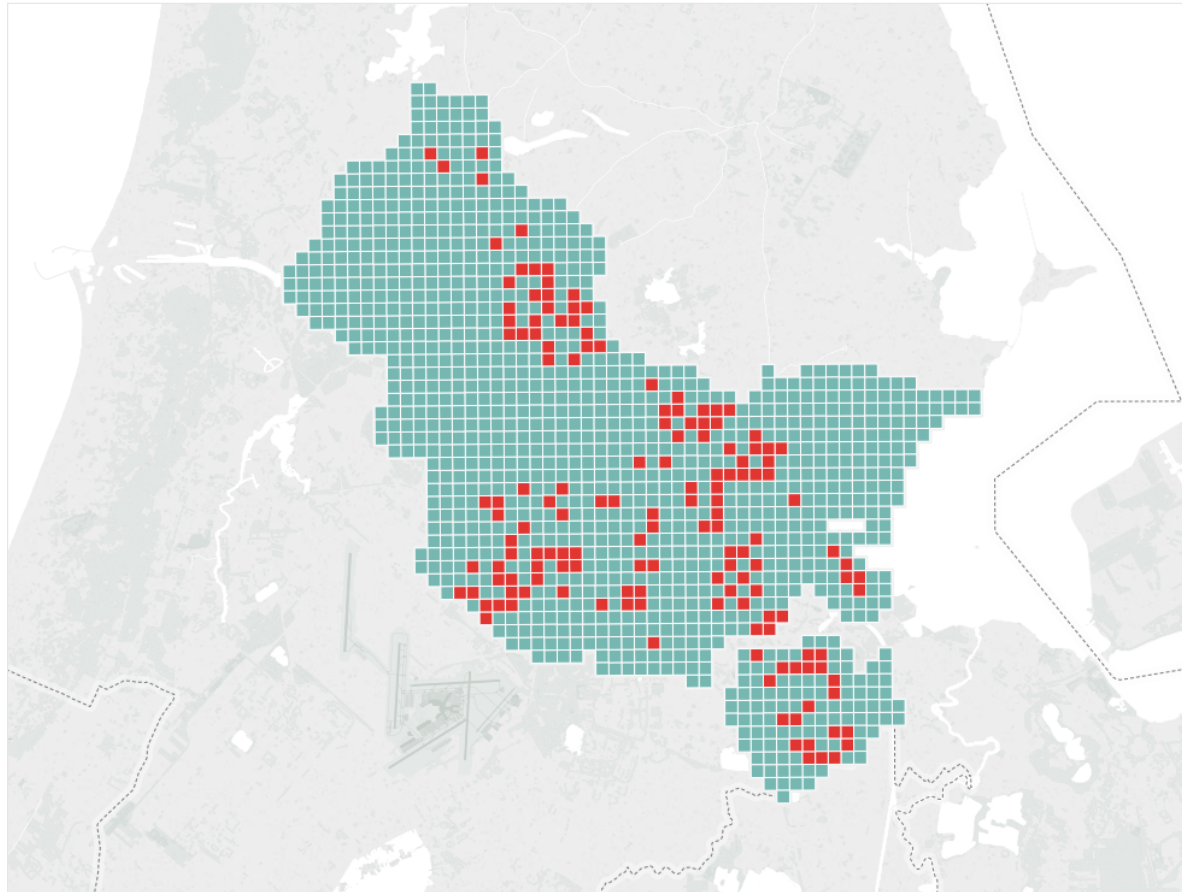
Helmond - Cluster 1



Exploratory results

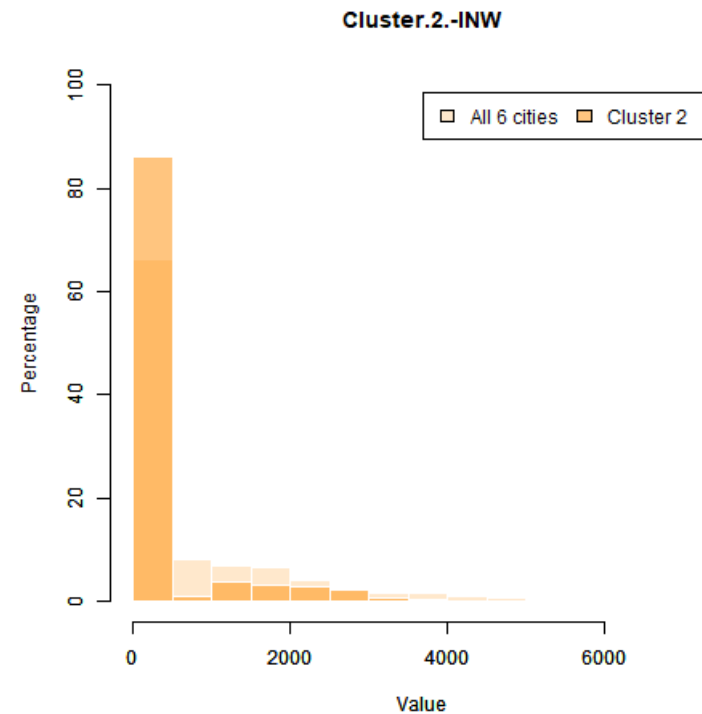
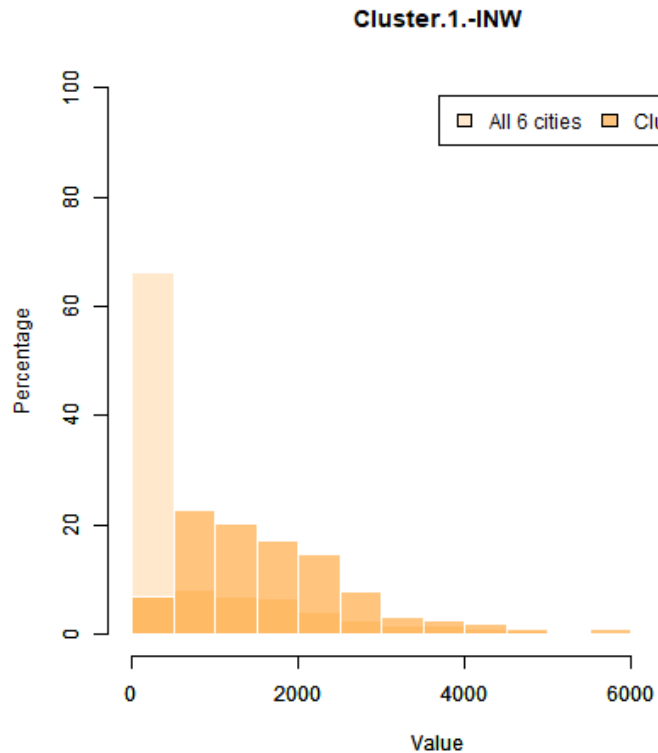
Amsterdam and Zaanstad - Cluster 1

Amsterdam and Zaanstad - Cluster 1



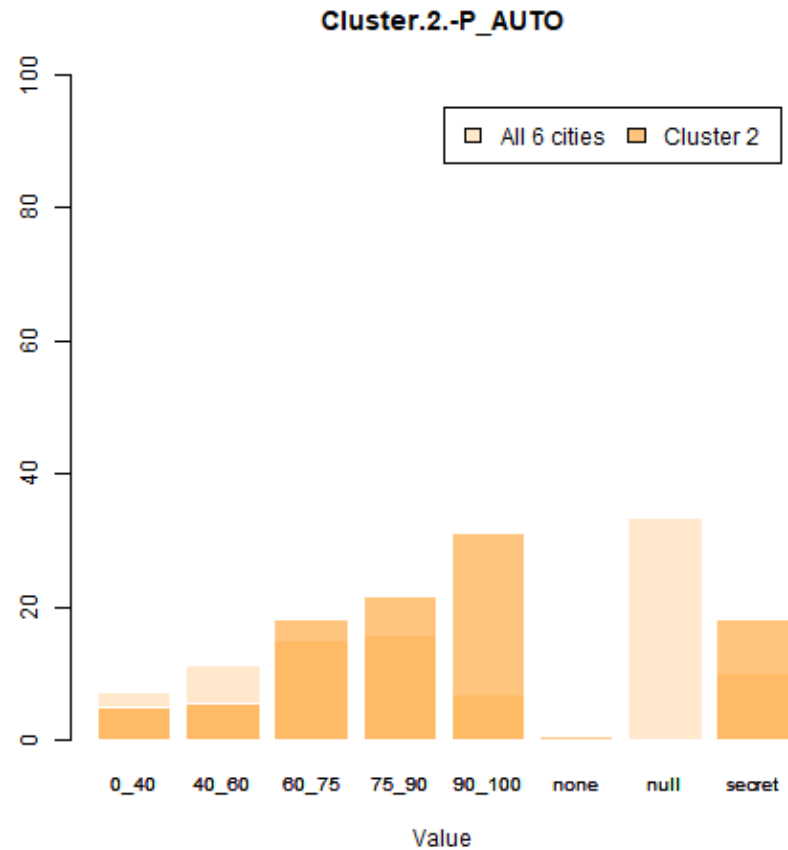
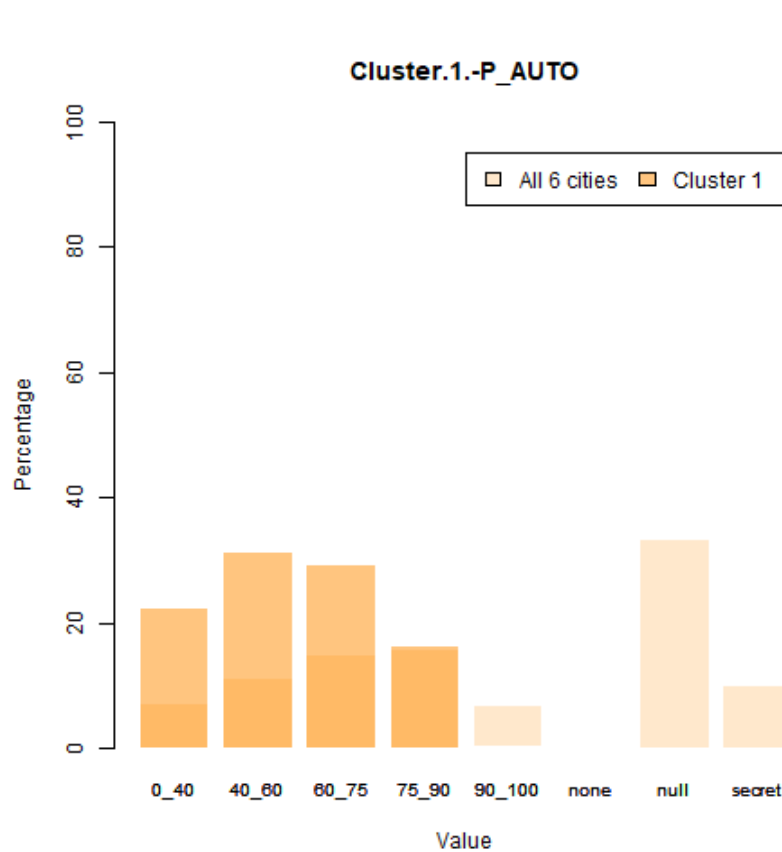
Exploratory results

Characteristics of Cluster 1 – number of inhabitants



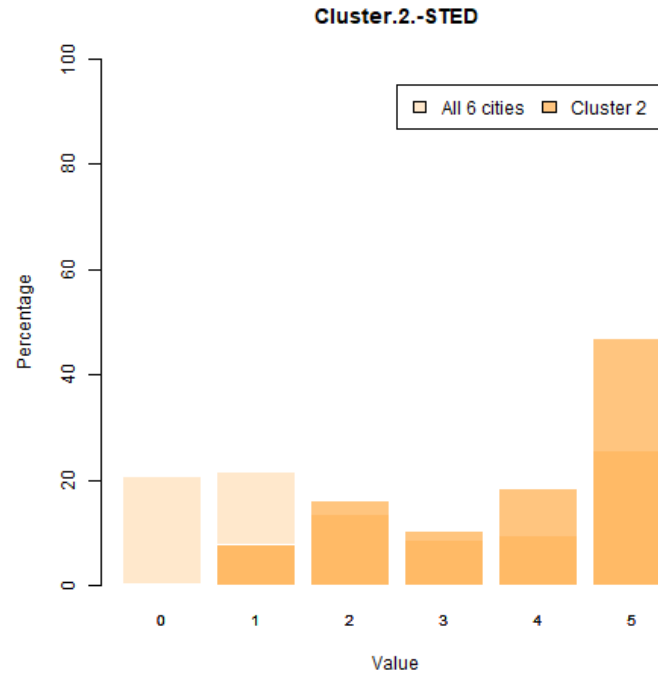
Exploratory results

Characteristics of Cluster 1 – percentage of Dutch citizens



Exploratory results

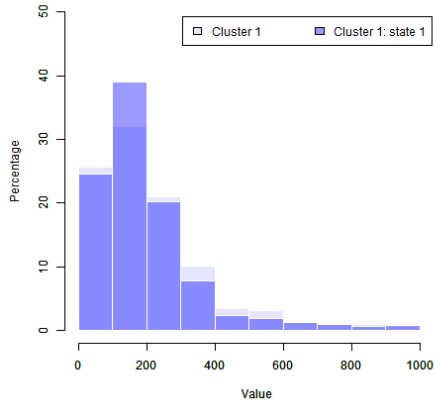
Characteristics of Cluster 1 – Urbanity score



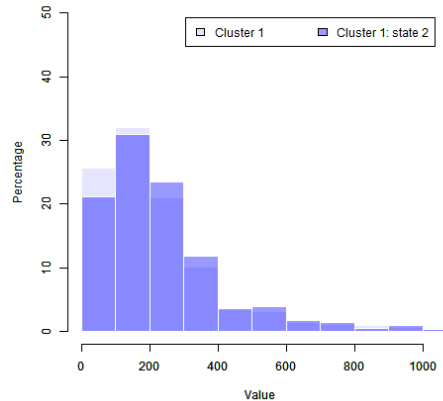
Exploratory results

Cluster 1 age groups – transitions between states

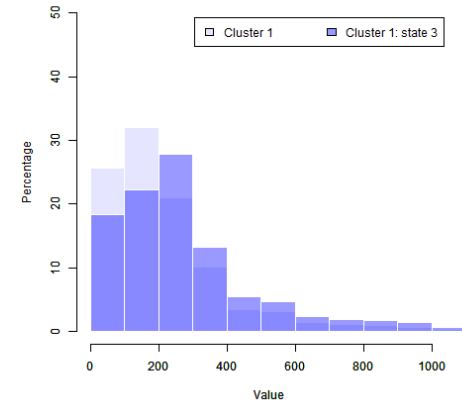
Cluster.1.-11524- state 1



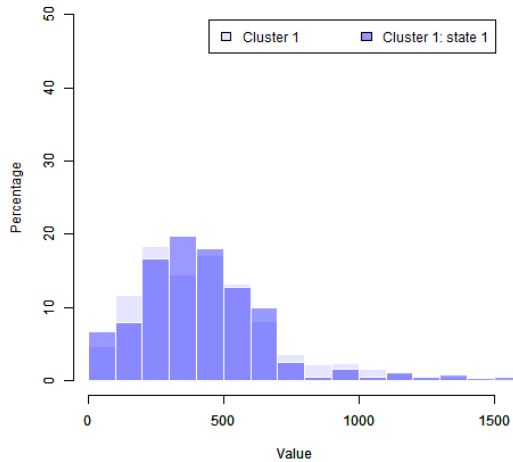
Cluster.1.-11524- state 2



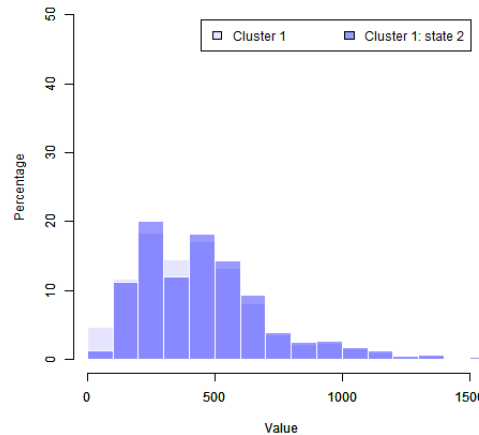
Cluster.1.-11524- state 3



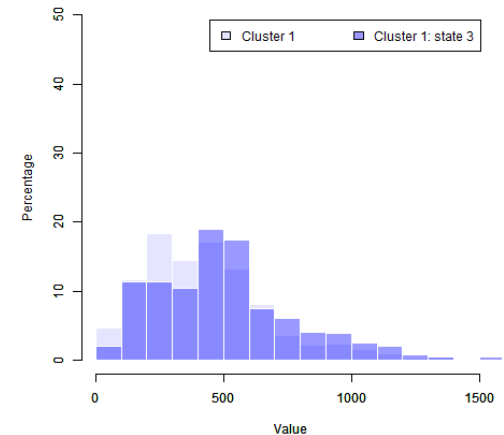
Cluster.1.-14564- state 1



Cluster.1.-14564- state 2

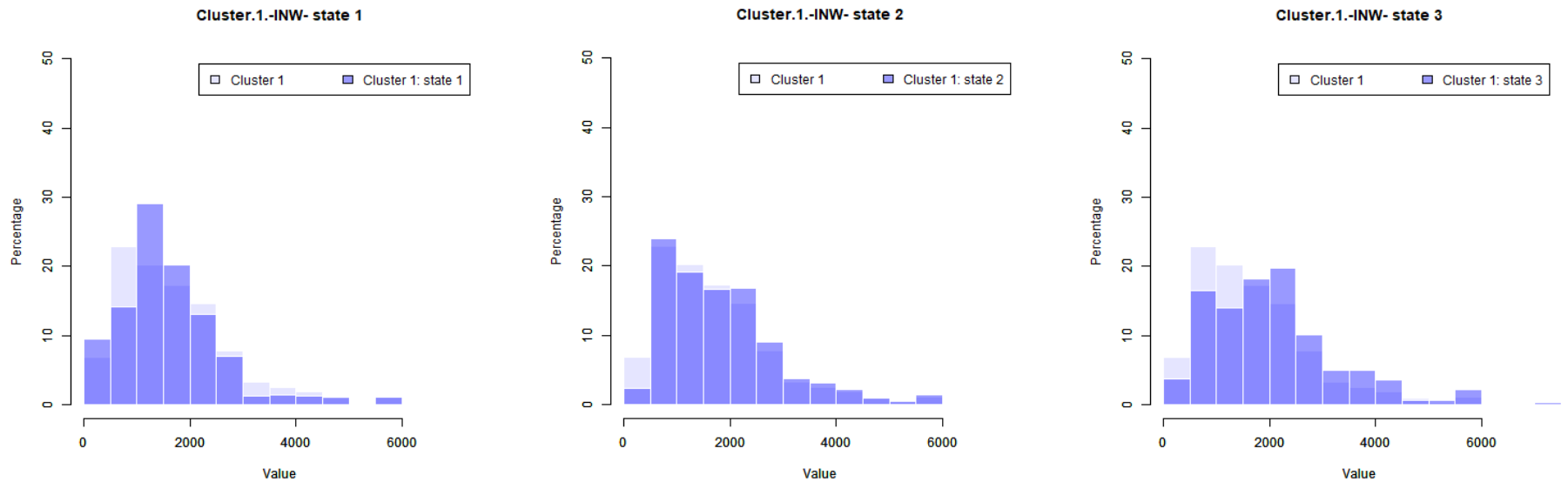


Cluster.1.-14564- state 3



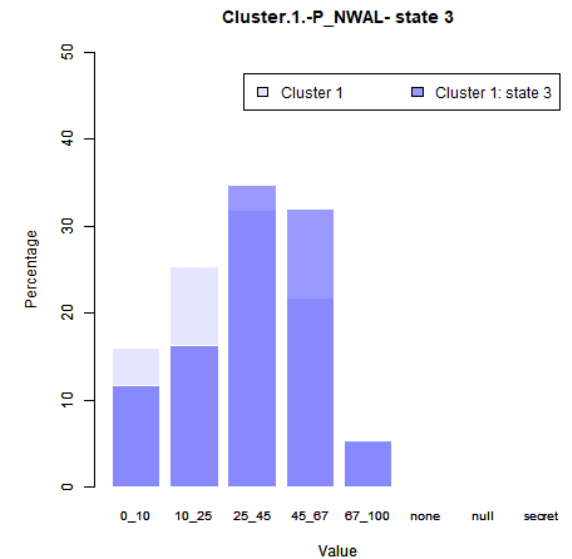
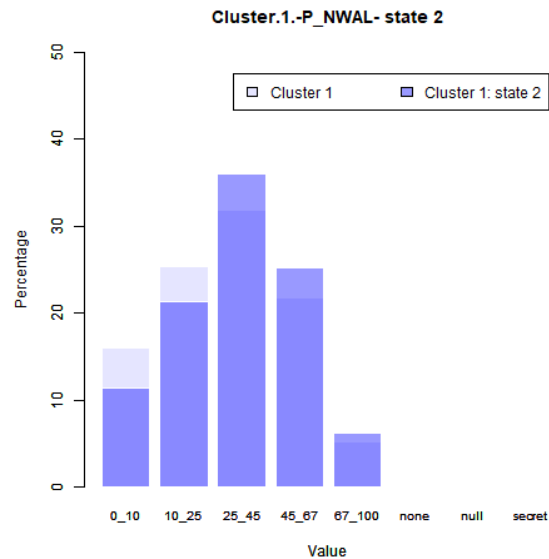
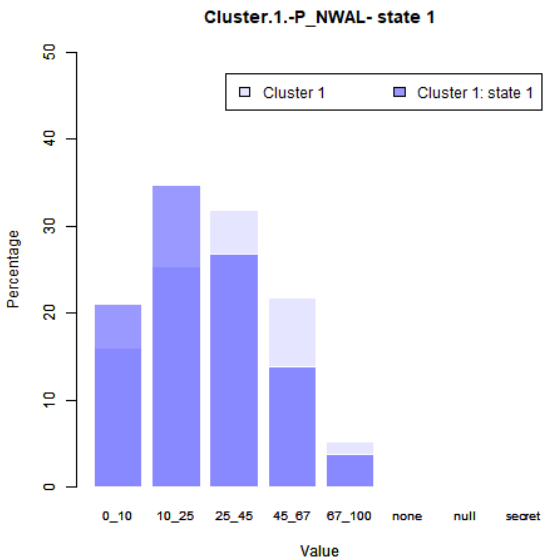
Exploratory results

Cluster 1 inhabitants – transitions between states



Exploratory results

Cluster 1 non-western migrants – transitions between states



Wrap-up

Exploratory results

- Based on profiling of clusters we can see the most defining characteristics of grids
- Based on state transitions we can see per cluster how dynamics can change over time
- Learn from other grids in same cluster
- The transitions create the rhythm