

# Demographics

- Demographics**
- Housing
- Environment
- Safety
- Safety factors
- 

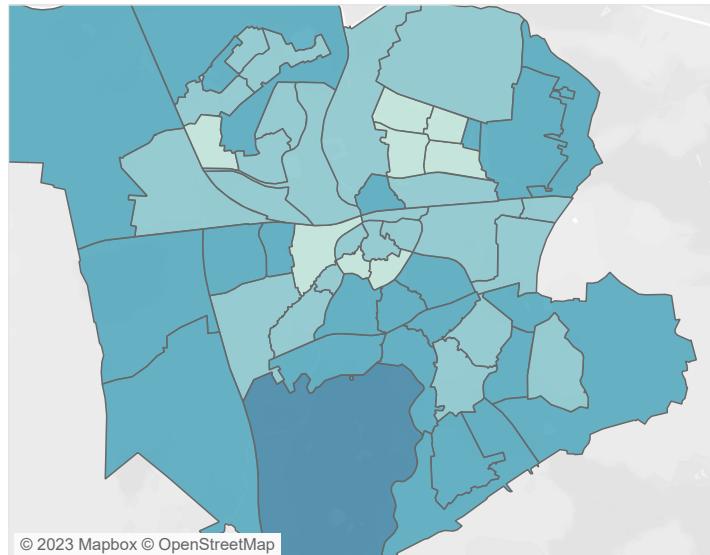
Map Control: Income  
Avg. % with high income  
 Show history



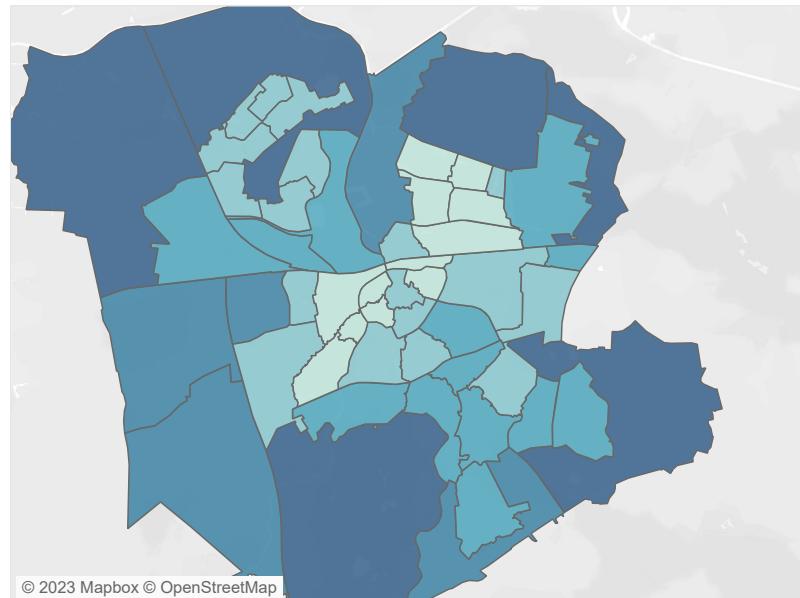
Gemeente Breda



Income - Avg. % with high income



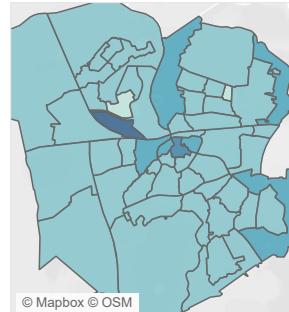
Social cohesion score



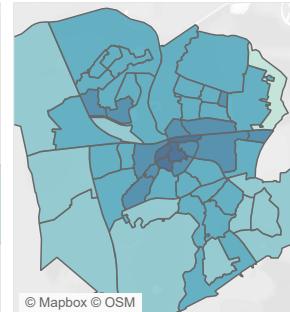
Age 0 - 14



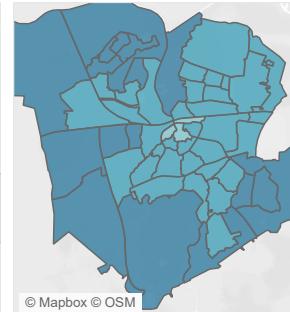
Age 15 - 24



Age 25 - 44



Age 45 - 64



Age 65 +



This page is about the residents of Breda. In the following maps you can view how income is divided over neighbourhoods (check the control function under the navigation pane), the social cohesion as calculated part of the national livability index (Leefbaarometer). And the prominence of age groups in neighborhoods.

## Housing and moving

- Demographics**
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Map Control: Decade...  
2010 To 2019

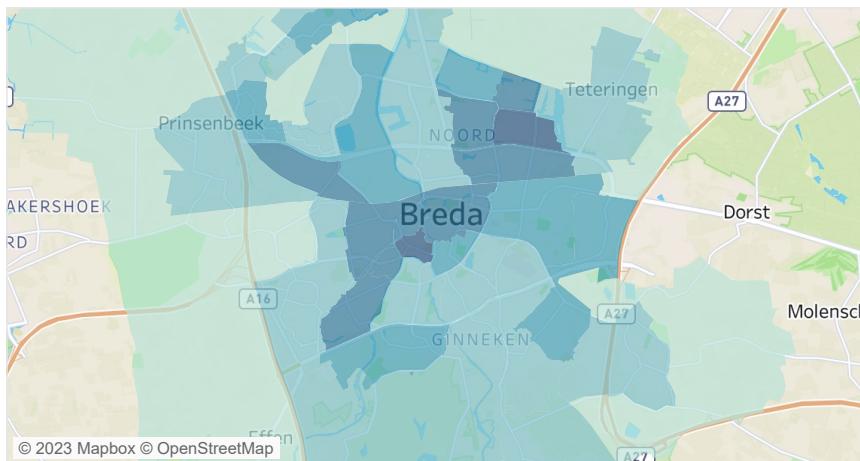
Show history



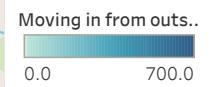
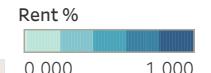
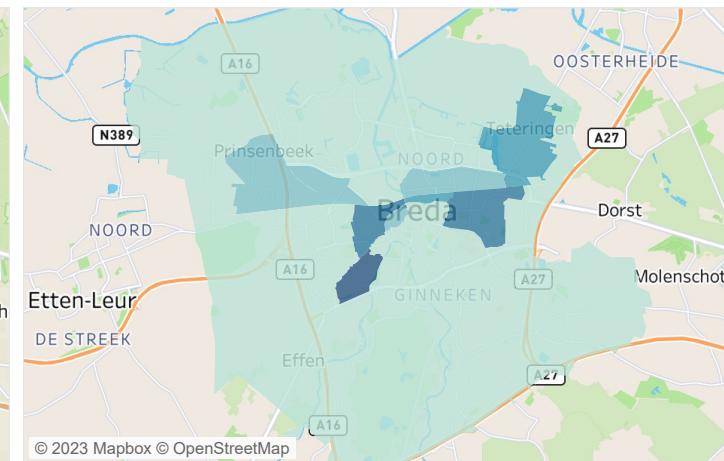
Gemeente Breda



% Rent / Buy



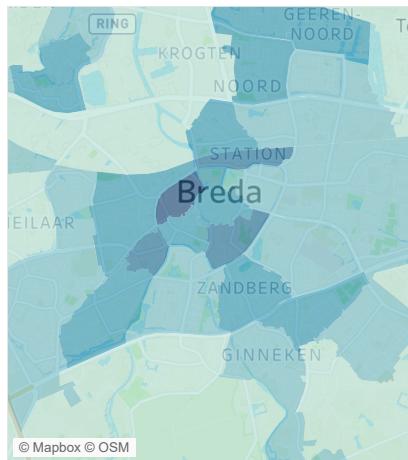
Homes built year - 2010 To 2019



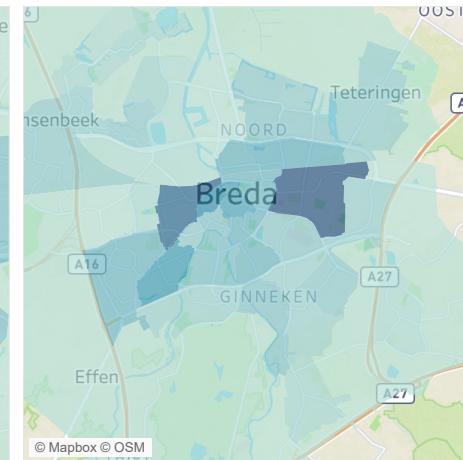
The next step is to look at how our residents in Breda live. In the following maps you can view the rent vs buy rate per neighbourhood, development activity over the decades ([the map control function can be found under the navigation pane again](#)), the population density + amount of households and residents per neighbourhood. And the movement activity.

Initially we wanted to see what factors could influence what attracts people to move to certain neighbourhoods. However, the neighbourhoods stay relatively the same in population size. The amount of people moving in is similar to people moving out. But what could be the driving force behind the large amount of movement in Brabantpark, Tuinzigt, Heuvel and Schorsmolen?

Population



Movement 2019 - 2020



Moving in vs. moving out  
2014-2020



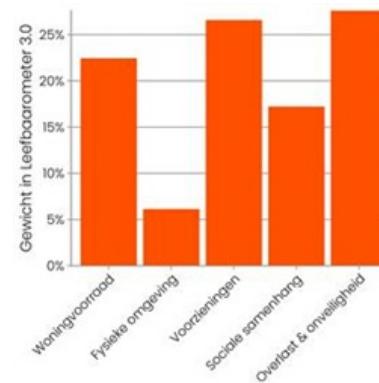
- Demographics**
  - Housing**
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  - Safety**
  - Safety factors**
- ←** **→**



Gemeente Breda



## Environment

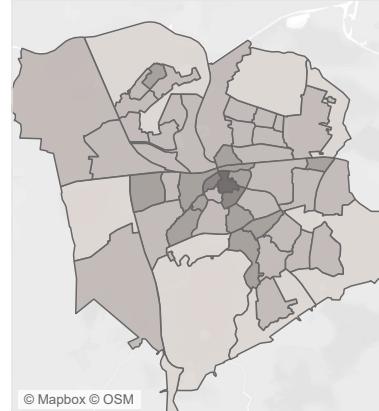


Breda is one of the most picturesque cities in the Netherlands. The initial problem statement by the municipality asked us to look into environmental variables in relation to the quality of life. This page is about the physical environment of Breda.

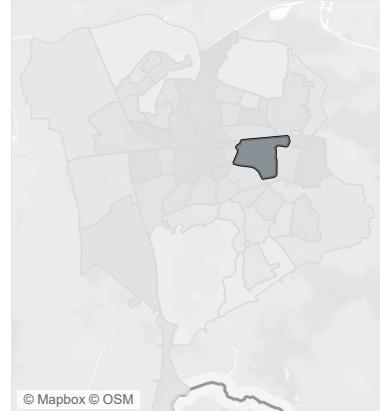
Since the physical environment weighted lowest in the calculation of livability (as by the Leefbaarometer), we will look into this on surface level and dive deeper into amenities and safety in relation to the quality of life.

See the diagram on the left on dimensions of livability:

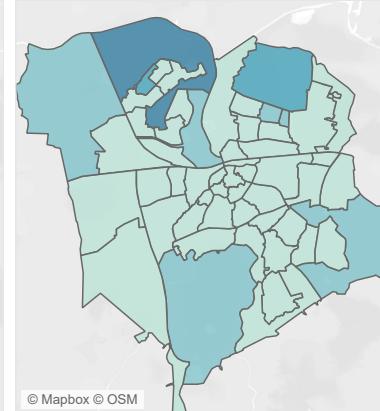
% built environment



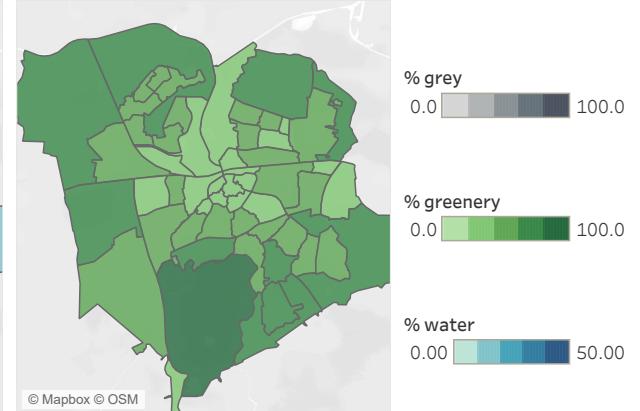
% grey



% water



% green



# Safety and amenities

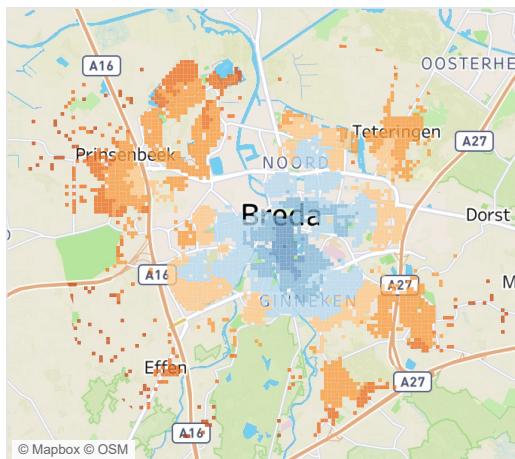
- Demographics**
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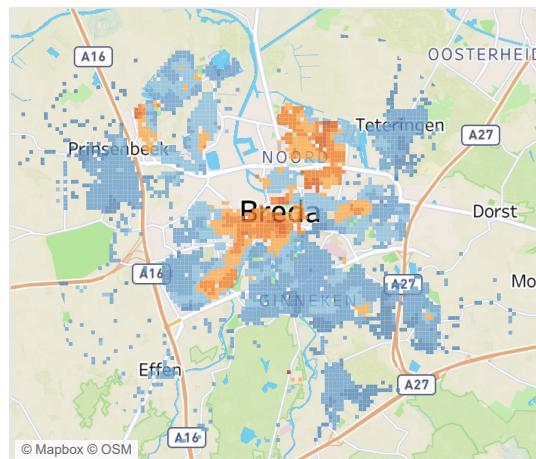
Gemeente Breda



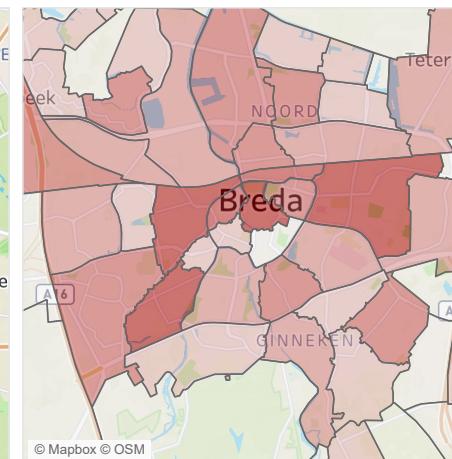
Amenities



Safety



Crime



Amenities (normalised)  
-0.067 1.000

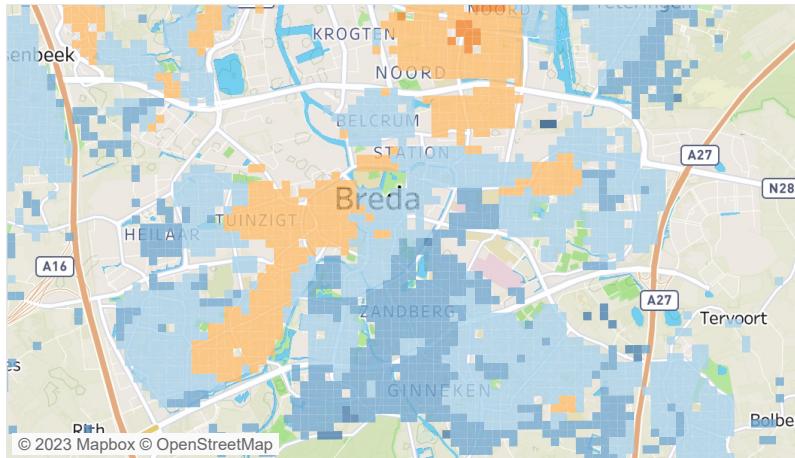
Safety (normalised)  
-0.067 1.000

Livability score  
3.000 5.000

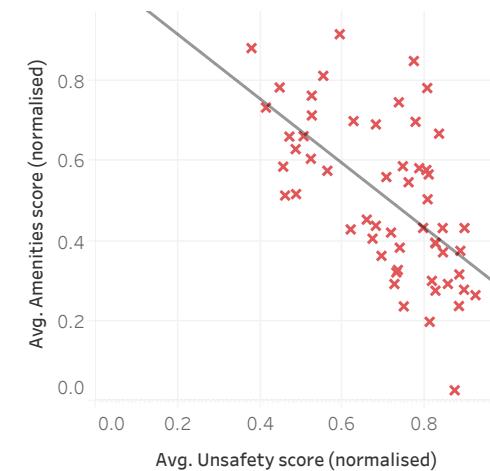
Avg. Amount of crimes  
0.0 400.0

Person correlations on neighbourhood level:  
Amenities vs. safety: -.60  
Amenities vs. livability: -.28  
Safety vs. livability: .86

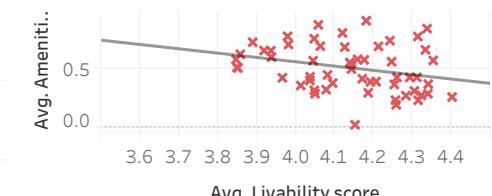
Livability



Amenities vs safety (average / neighbourhood)



Amenities vs livability (average / neighbourhood)



Safety vs livability (average / neighbourhood)



# Potential factors of safety and livability

**Demographics**

**Housing**

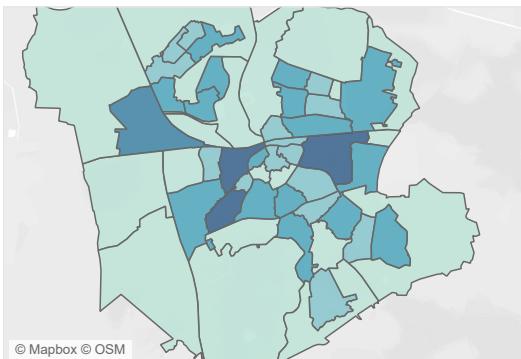
**Environment**

**Safety**

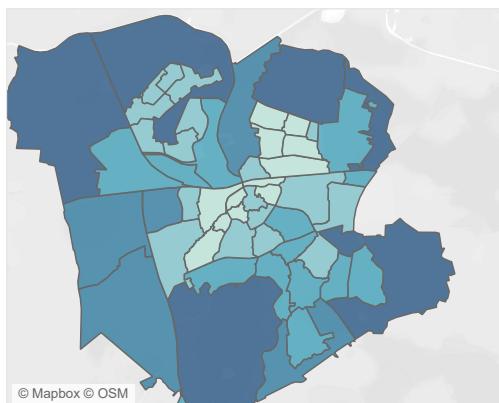
**Factors**



Income - Avg. Amount of residents with unemployment benefits



Social cohesion score



**Pearson correlations on neighbourhood level:**

Crime count vs. social cohesion: -.56

Crime vs moving out: .60

Amenities vs crime count: .62

Crime vs unemployment benefits: .74

Avg. Amount of crimes



Amount of residents with welfare benefit



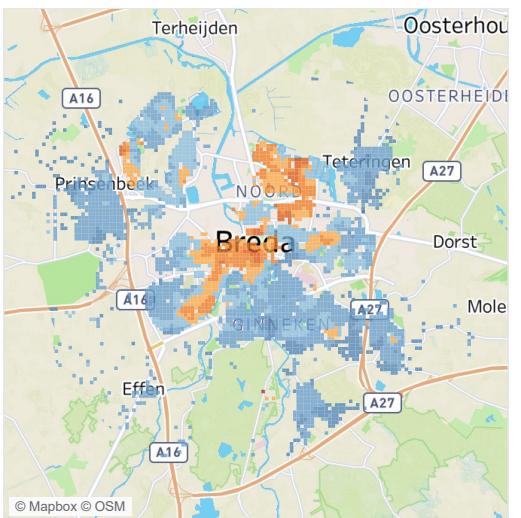
Amount of residents with unemployment..



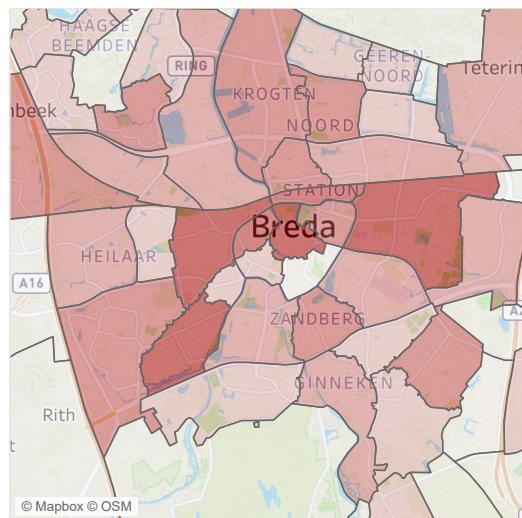
Social cohesion score



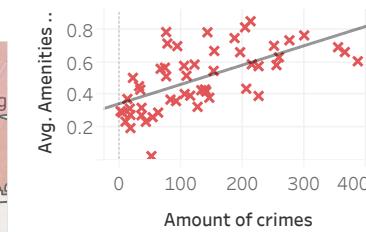
Safety



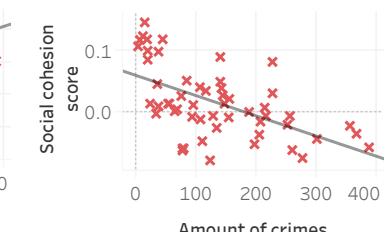
Crime



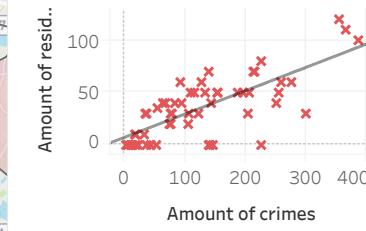
Amenities vs amount of crimes (average / neighbourhood)



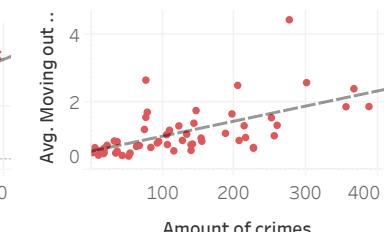
Crime count vs social cohesion score / neighbourhood



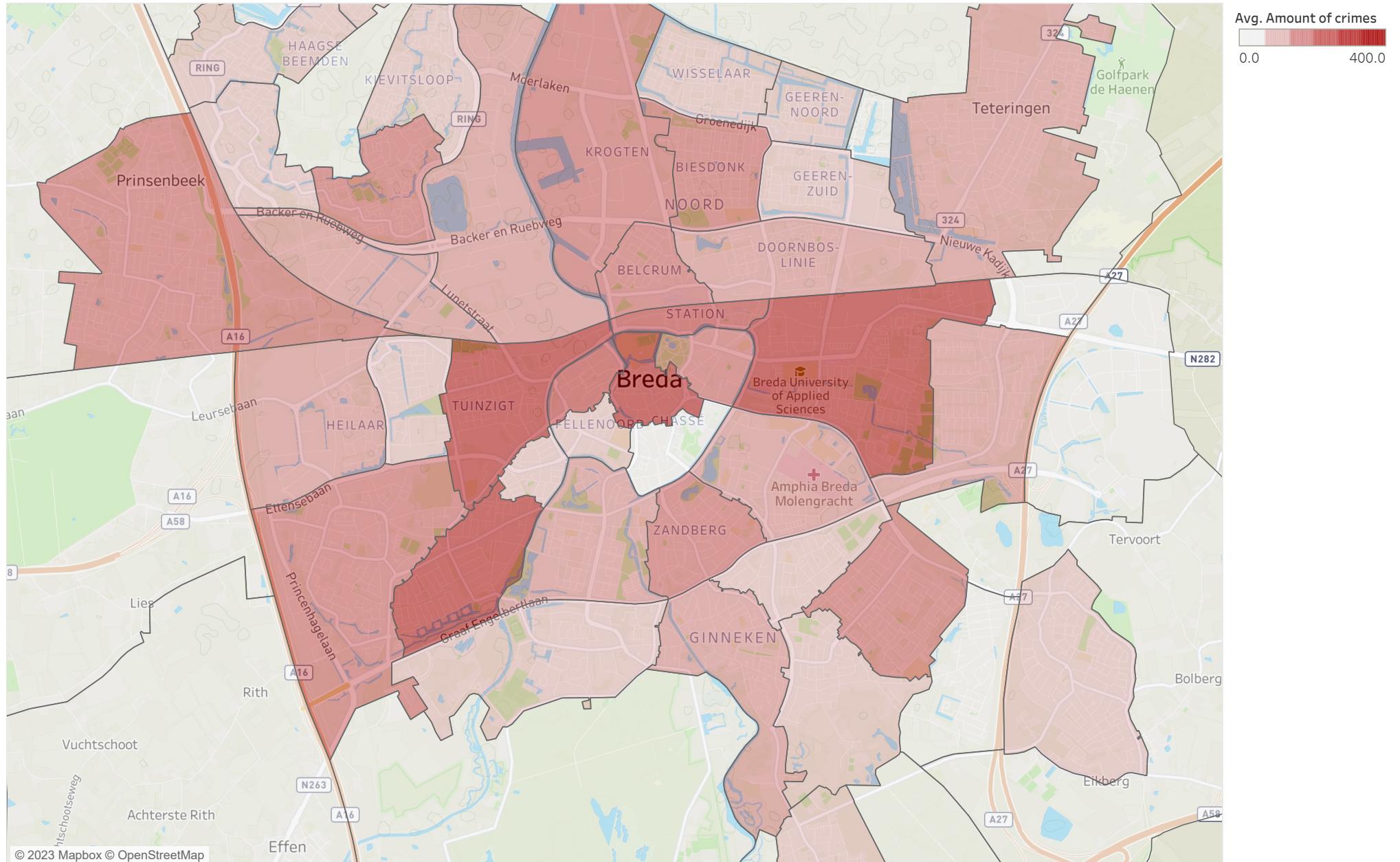
Crime vs residents with unemployment benefits



Crime vs moving out

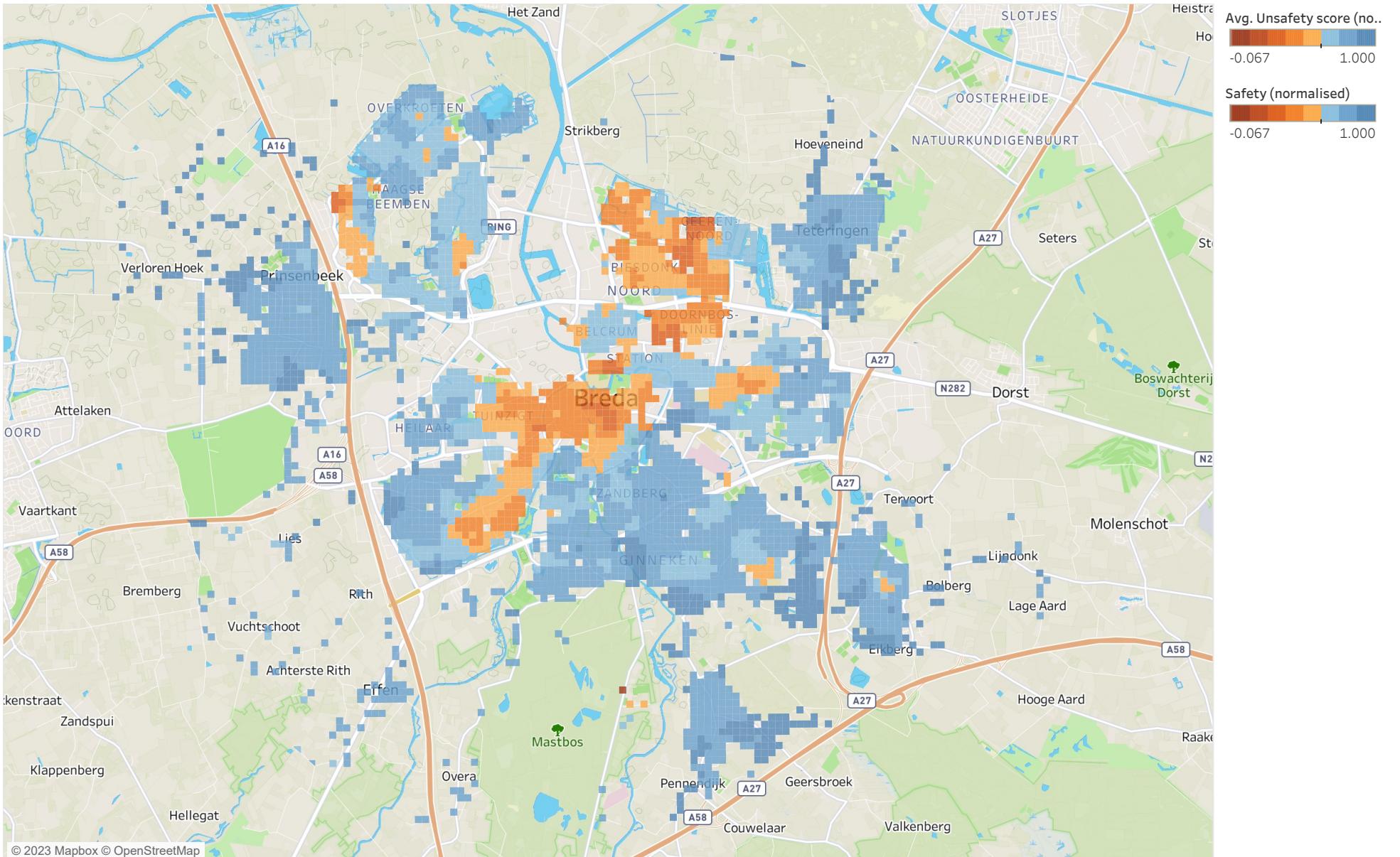


## Crime



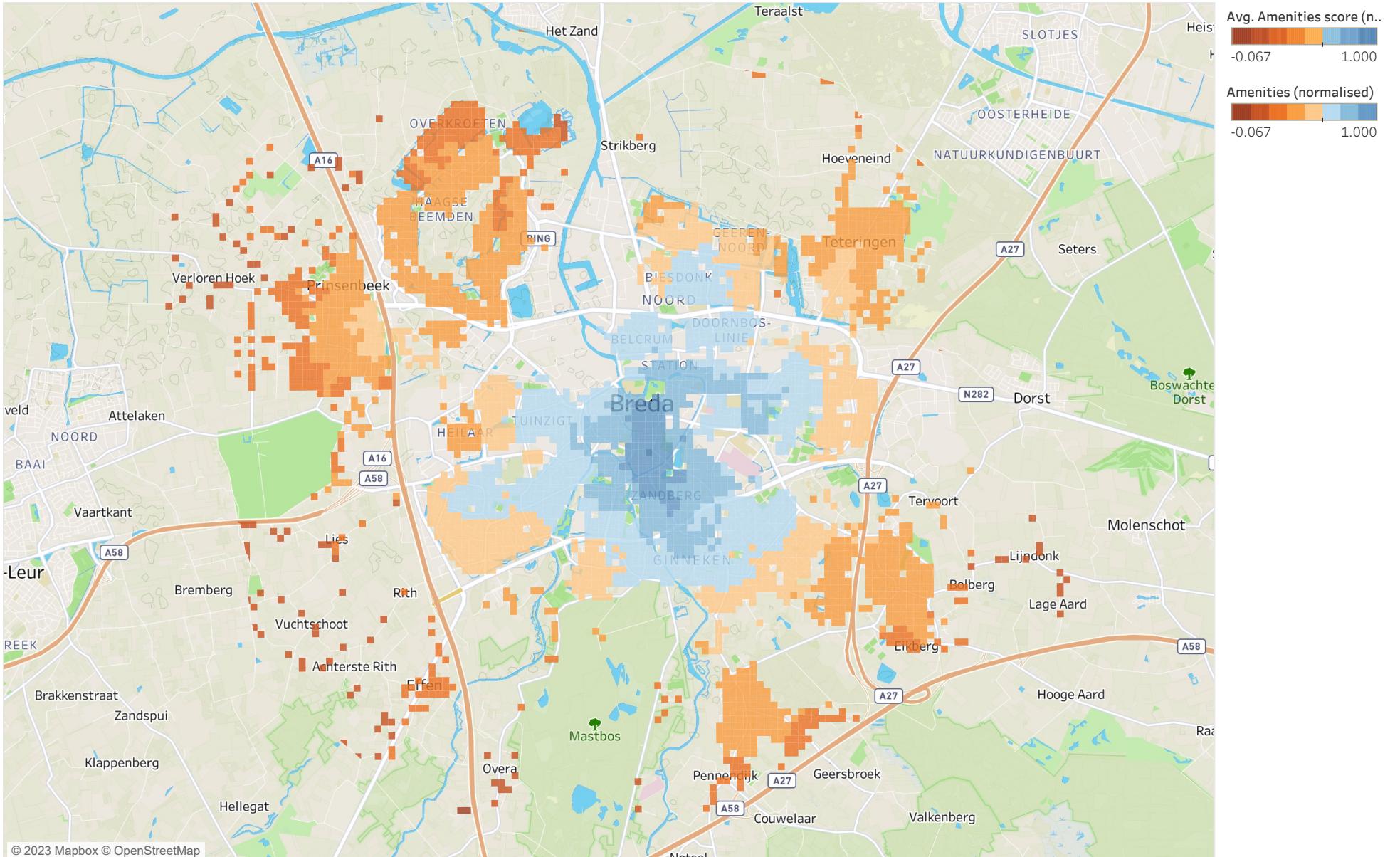
Map based on Longitude (generated) and Latitude (generated). Colour shows average of Amount of crimes. Details are shown for Neighbourhood name. The data is filtered on Action (Neighborhood Name)andAction (Bu Naam).The Action (Neighborhood Name) filter keeps 56 members.The Action (Bu Naam) filter keeps 56 members.

## Safety



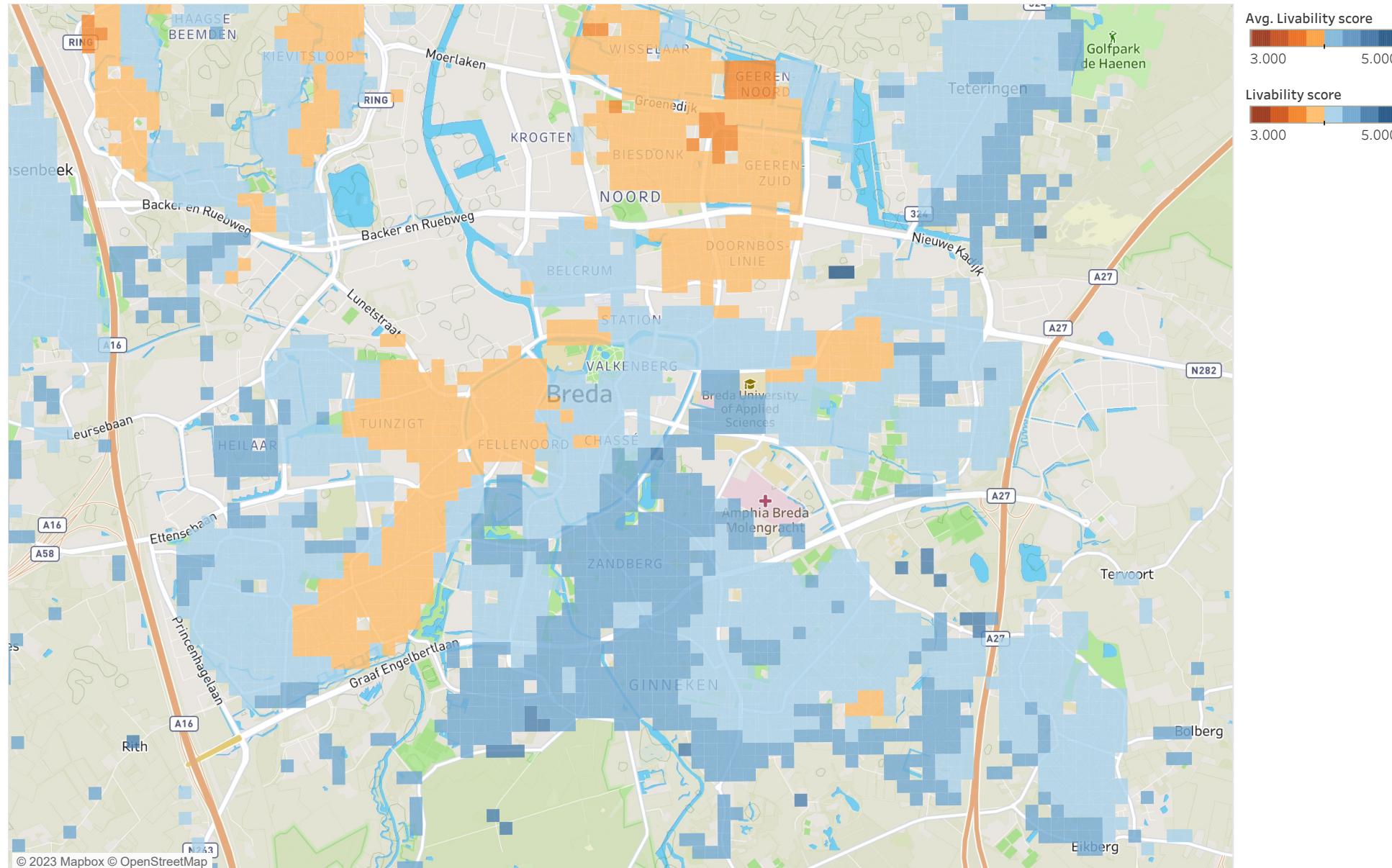
Map based on Longitude (generated) and Latitude (generated). For marks layer Buurt\_2022\_v1.shp: Colour shows average of Unsafety score (normalised). Details are shown for Neighbourhood name. For marks layer Cbs.shp: Colour shows details about Unsafety score (normalised). Details are shown for Grid ID. The data is filtered on Action (Neighborhood Name)andAction (Neighborhood Name).The Action (Neighborhood Name) filter keeps 56 members.The Action (Neighborhood Name) filter keeps 56 members.The view is filtered on Unsafety score (normalised), which keeps non-Null values only.

## Amenities



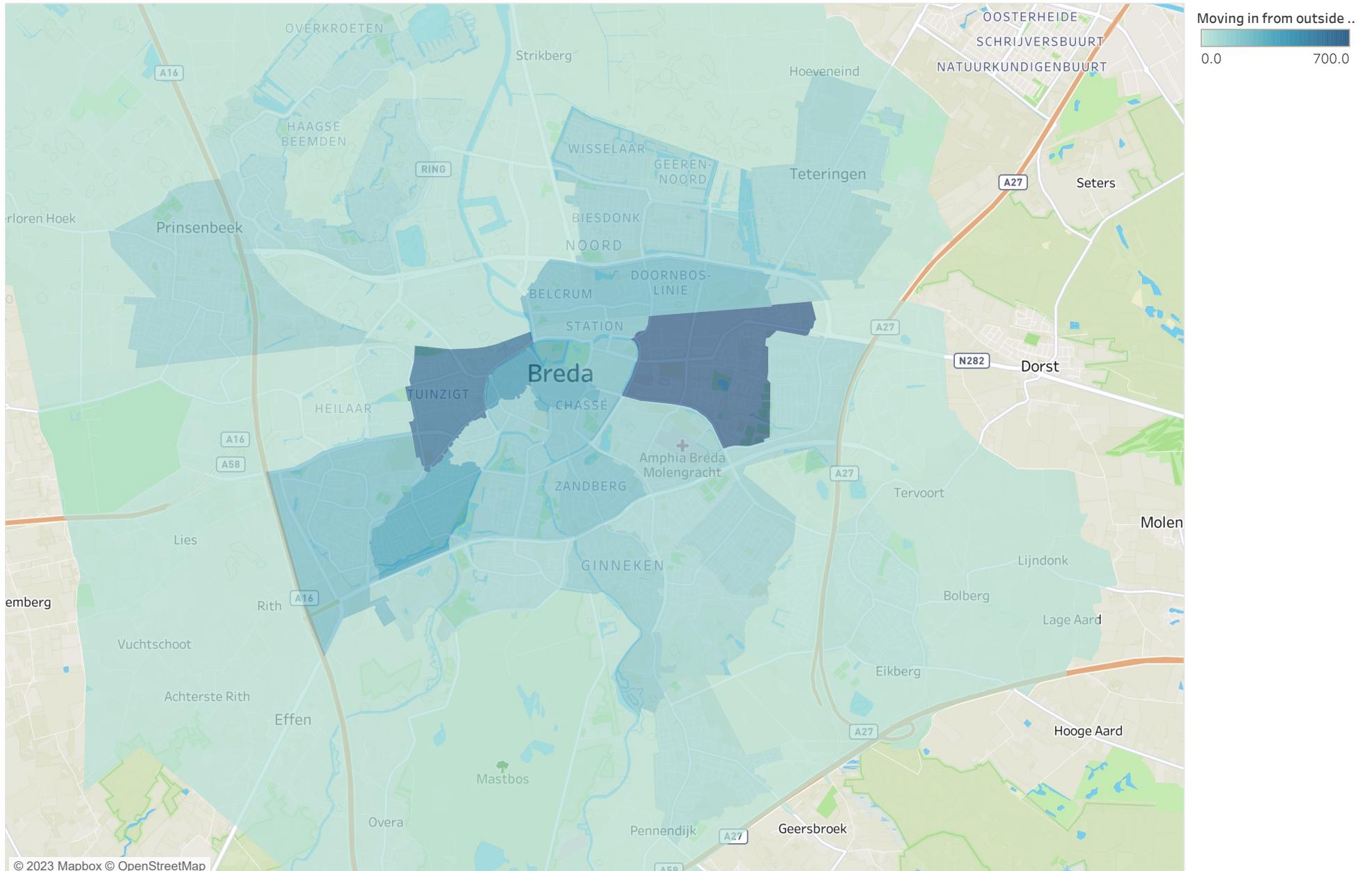
Map based on Longitude (generated) and Latitude (generated). For marks layer Buurt\_2022\_v1.shp: Colour shows average of Amenities score (normalised). Details are shown for Neighbourhood name. For marks layer Cbs.shp: Colour shows details about Amenities score (normalised).The data is filtered on Action (Neighborhood Name),Action (Neighborhood Name),Action (onv\_norm)andAction (Bu Naam).The Action (Neighborhood Name) filter keeps 56 members.The Action (Neighborhood Name) filter keeps 56 members.The Action (onv\_norm) filter keeps 3,055 members.The Action (Bu Naam) filter keeps 56 members.The view is filtered on Amenities score (normalised), which keeps non-Null values only.

## Livability



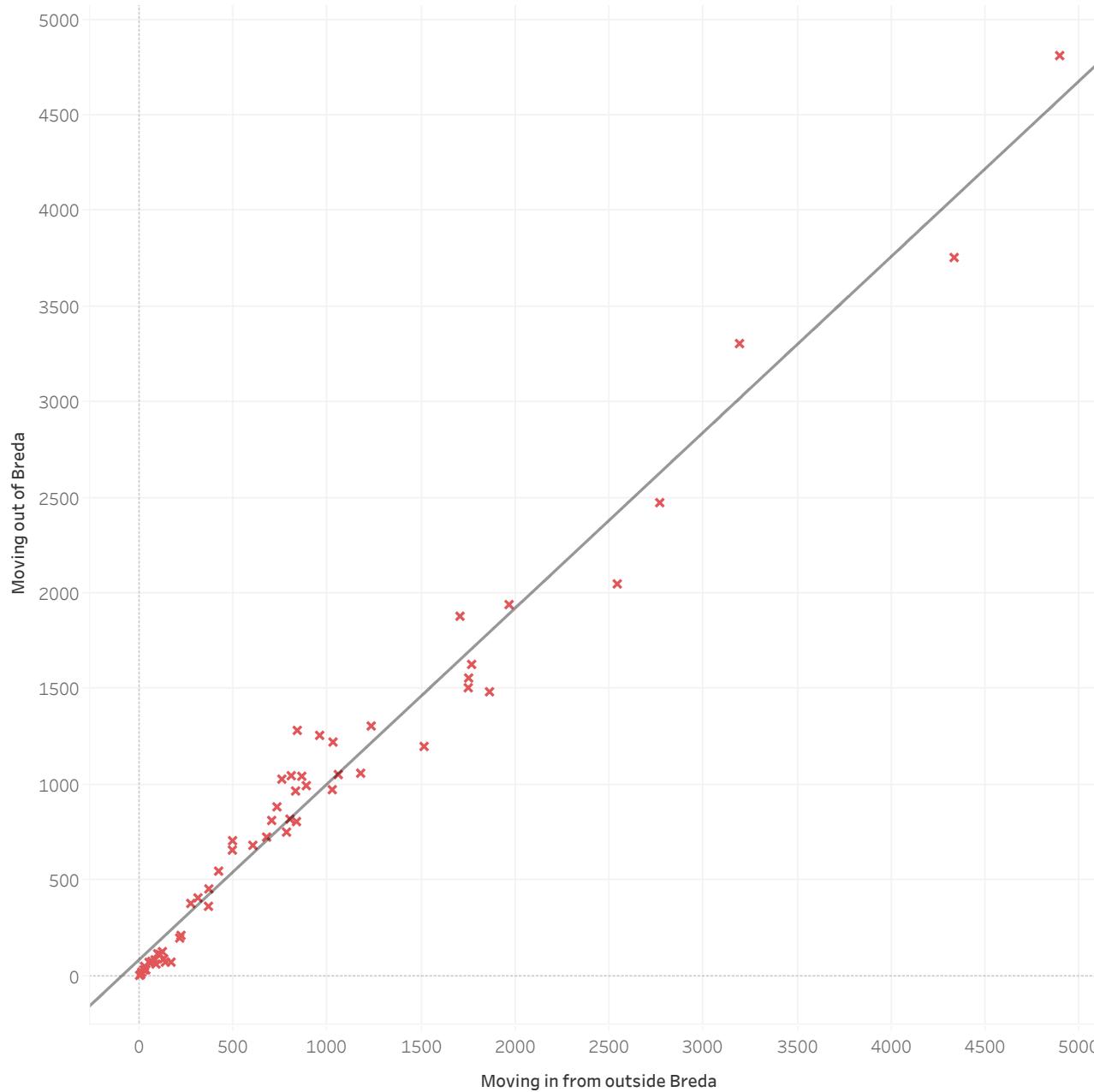
Map based on Longitude (generated) and Latitude (generated). For marks layer Buurt\_2022\_v1.shp: Colour shows average of Livability score. Details are shown for Neighbourhood name. For marks layer Cbs.shp: Colour shows details about Livability score. The data is filtered on Action (Neighborhood Name), Action (Neighborhood Name) and Action (onv\_norm). The Action (Neighborhood Name) filter keeps 56 members. The Action (Neighborhood Name) filter keeps 56 members. The Action (onv\_norm) filter keeps 3,055 members. The view is filtered on Livability score and Neighbourhood name. The Livability score filter keeps non-Null values only. The Neighbourhood name filter keeps Hagebeemd.

## Movement 2019 - 2020



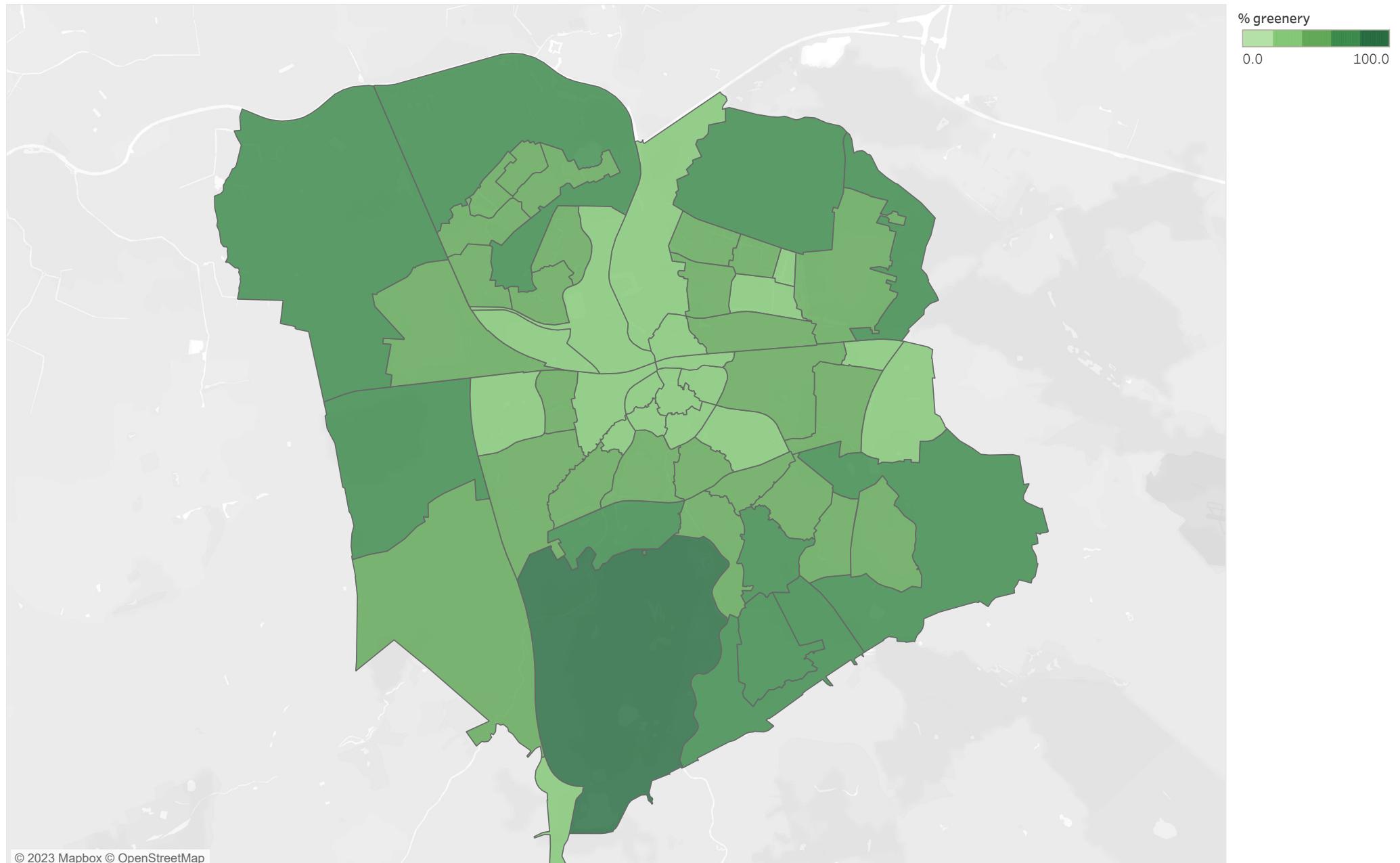
Map based on Longitude (generated) and Latitude (generated). Colour shows sum of Moving in from outside Breda. Details are shown for Neighbourhood name. The data is filtered on Time Period, which keeps 20192020.

Moving in vs. moving out 2014-2020



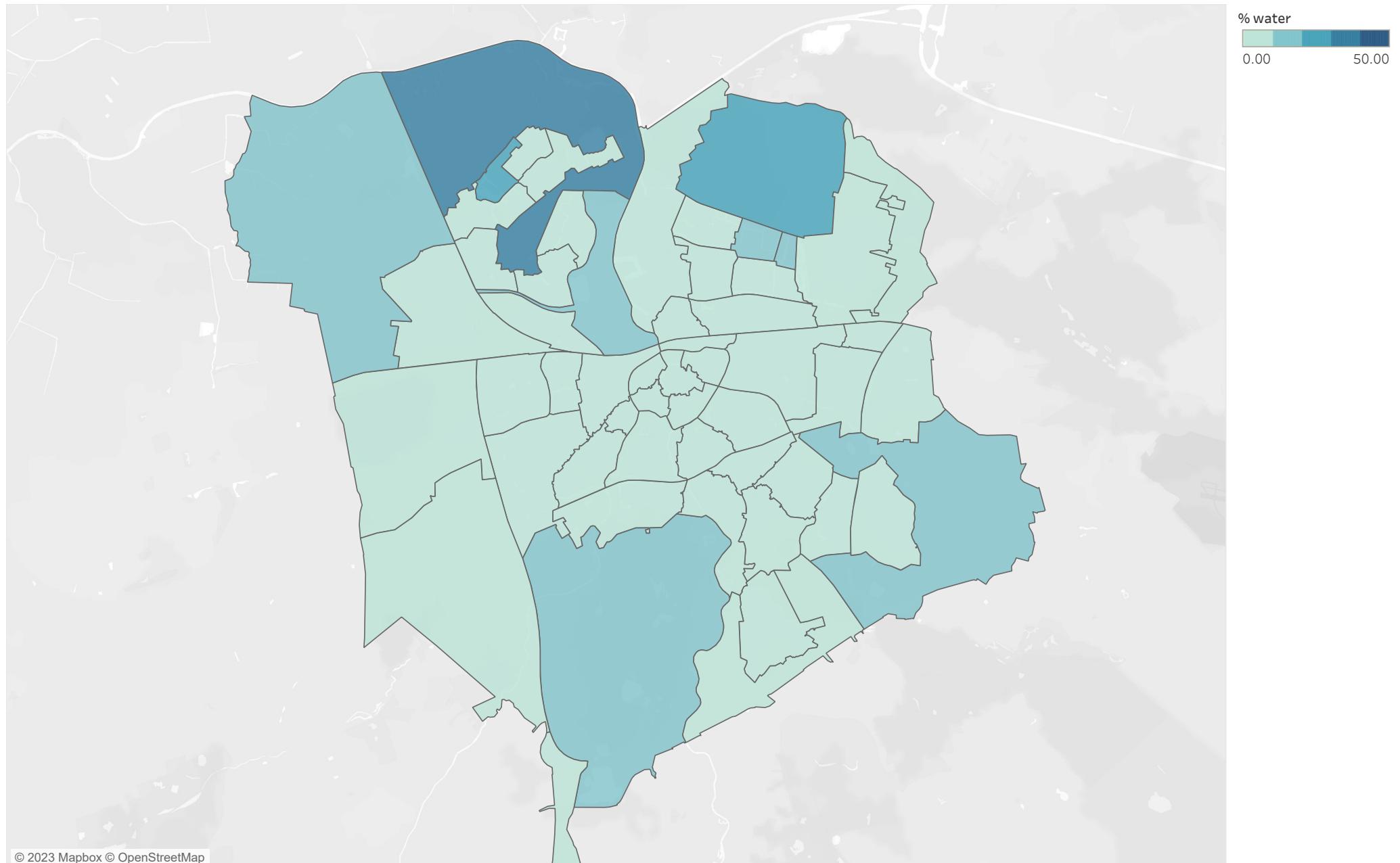
Sum of Moving in from outside Breda vs. sum of Moving out of Breda. Details are shown for Neighbourhood name.

% green



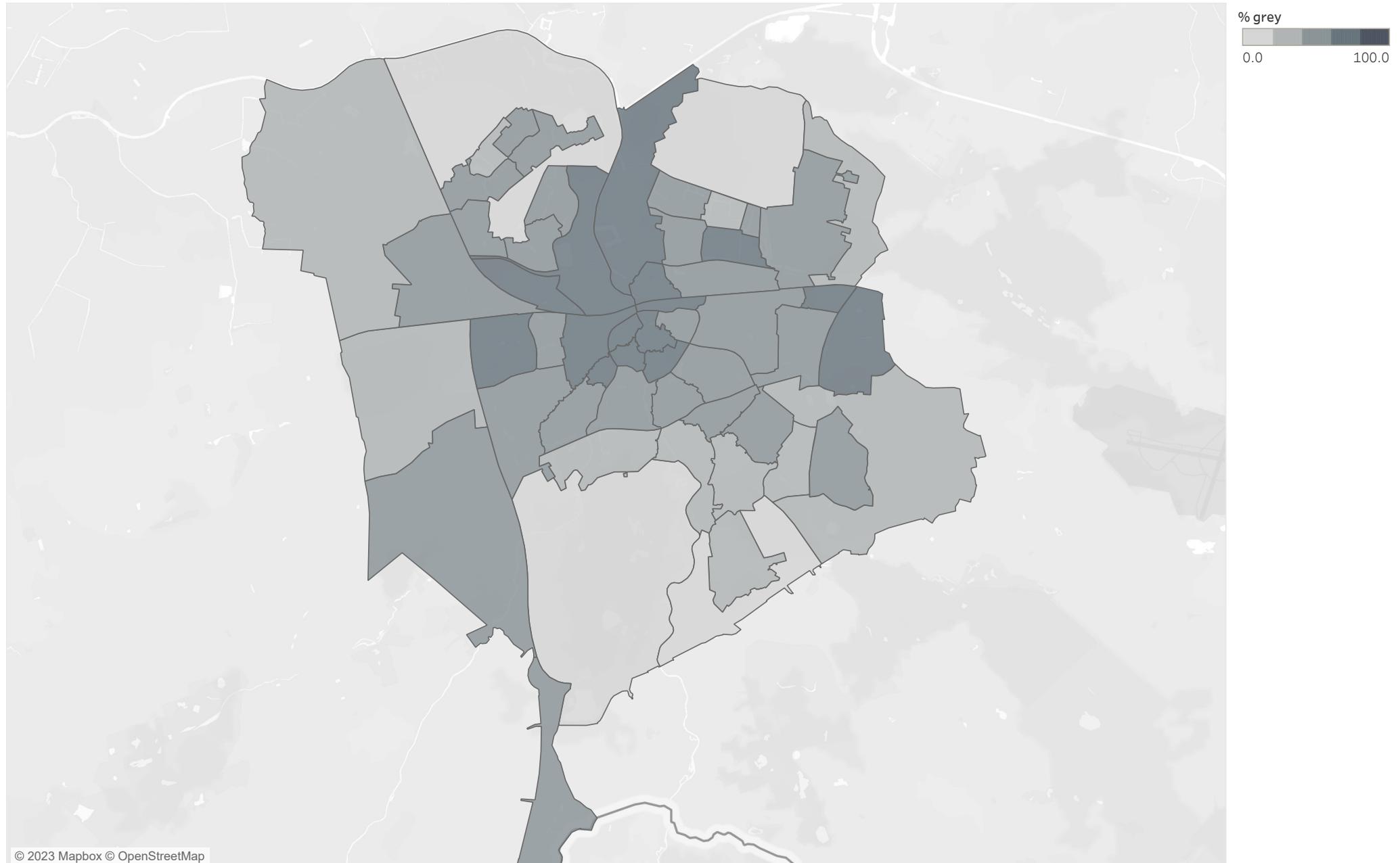
Map based on Longitude (generated) and Latitude (generated). Colour shows details about % greenery. Details are shown for Neighbourhood name.

% water



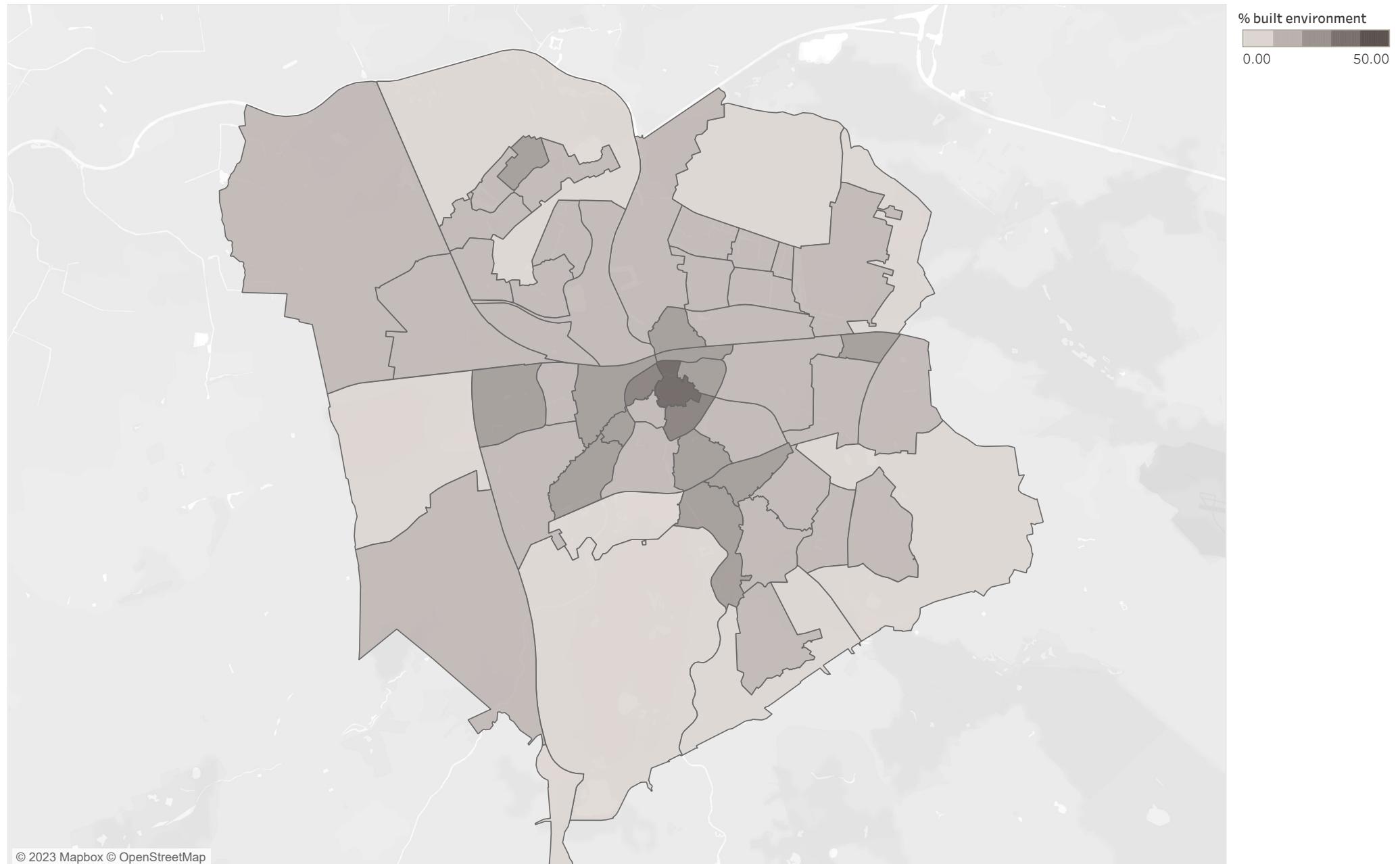
Map based on Longitude (generated) and Latitude (generated). Colour shows details about % water. Details are shown for Neighbourhood name.

% grey



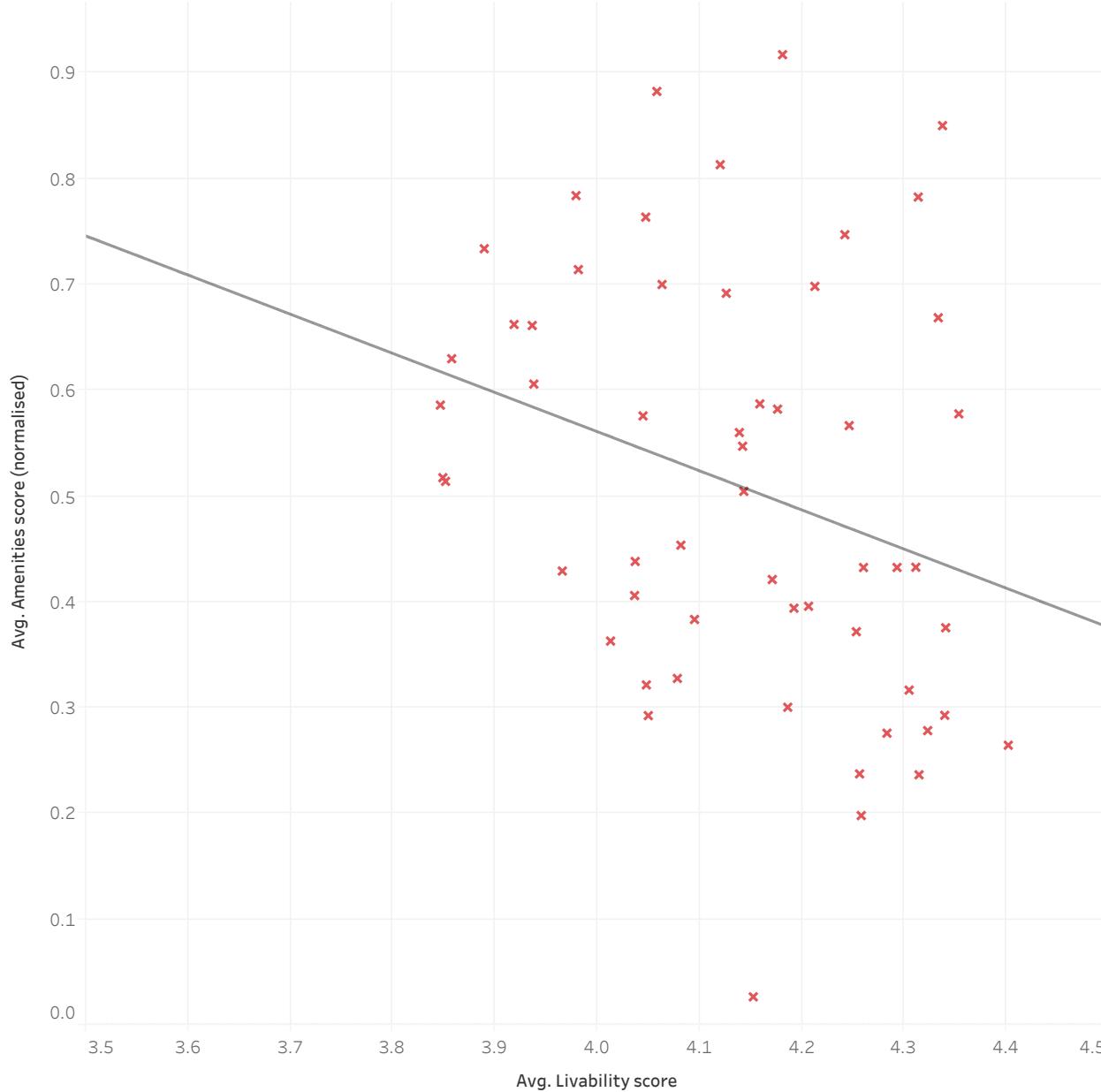
Map based on Longitude (generated) and Latitude (generated). Colour shows details about % grey. Details are shown for Neighbourhood name.

## % built environment



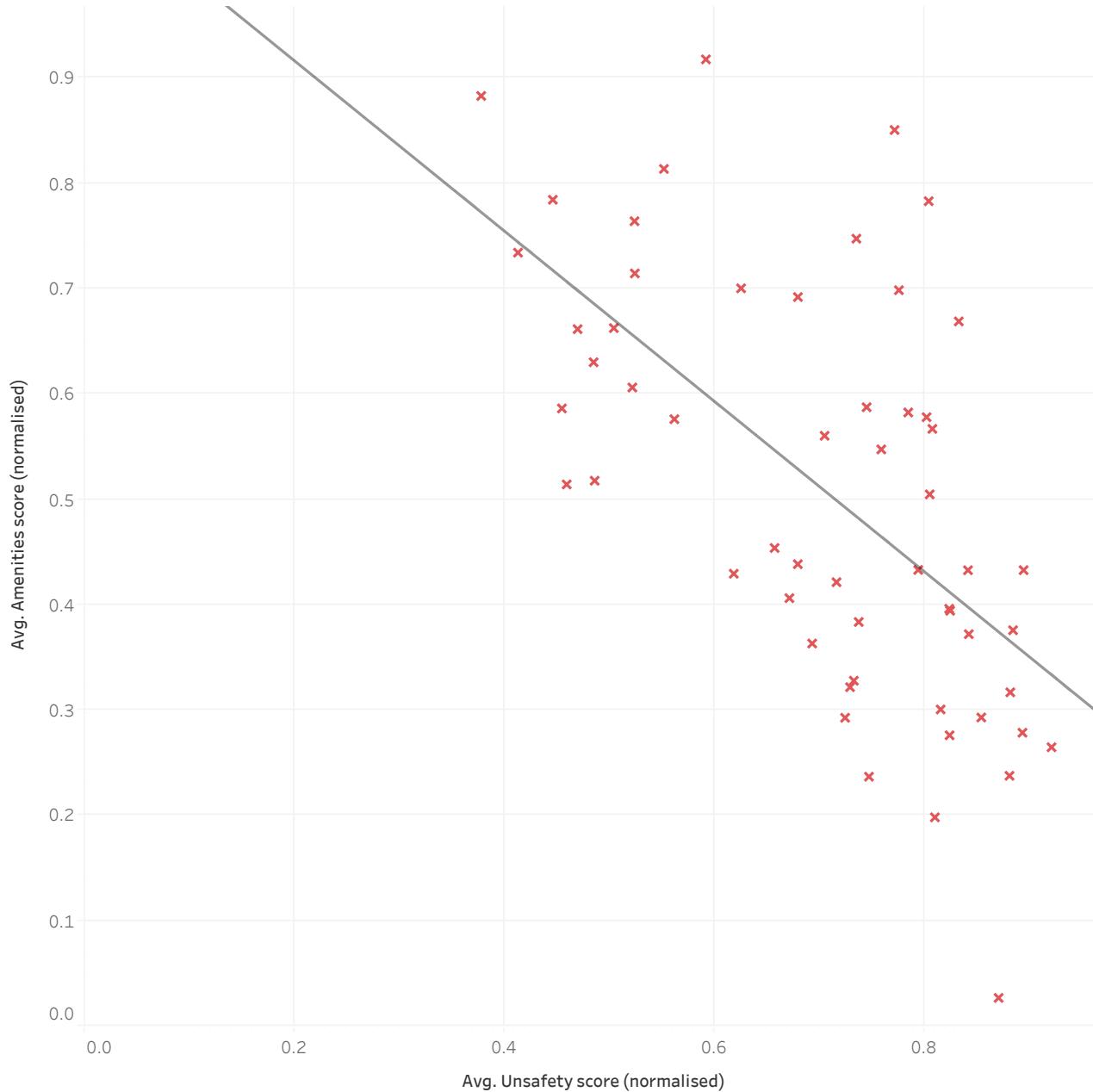
Map based on Longitude (generated) and Latitude (generated). Colour shows details about % built environment. Details are shown for Neighbourhood name.

Amenities vs livability (average / neighbourhood)



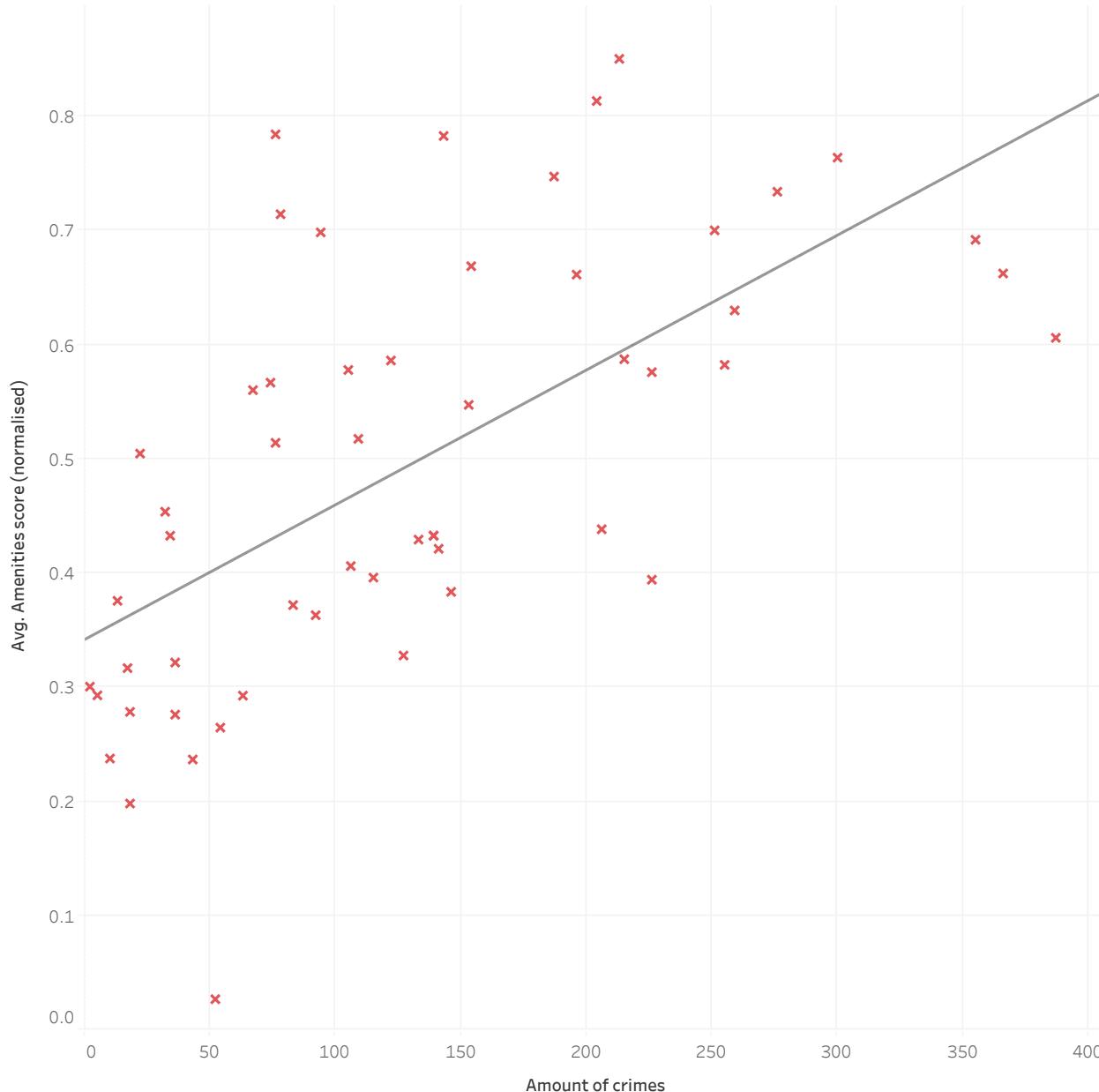
Average of Livability score vs. average of Amenities score (normalised). Details are shown for Neighbourhood name. The data is filtered on Action (Neighborhood Name) and Action (Bu Naam). The Action (Neighborhood Name) filter keeps 56 members. The Action (Bu Naam) filter keeps 56 members.

Amenities vs safety (average / neighbourhood)



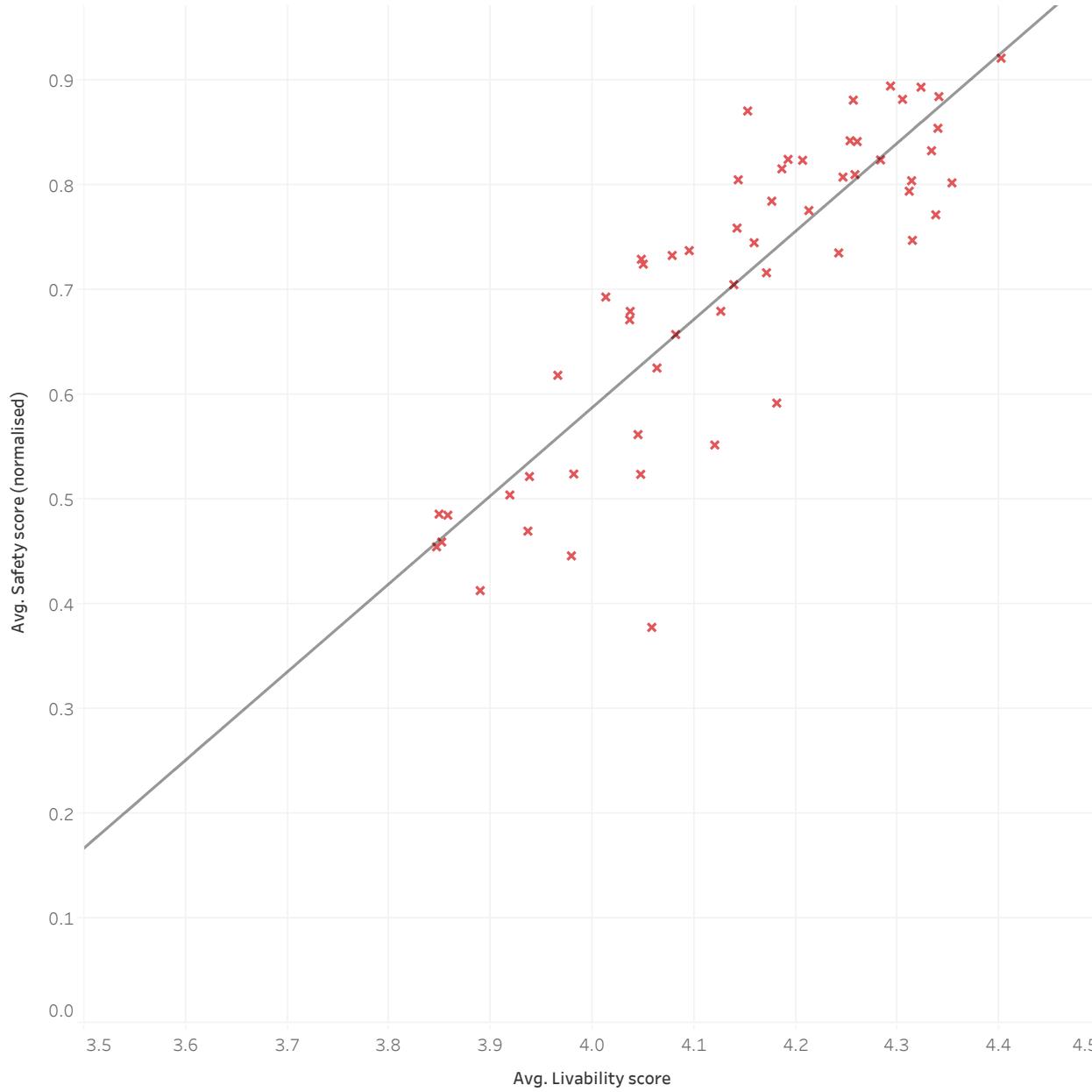
Average of Unsafety score (normalised) vs. average of Amenities score (normalised). Details are shown for Neighborhood Name. The data is filtered on Action (Bu Naam), which keeps 56 members.

Amenities vs amount of crimes (average / neighbourhood)



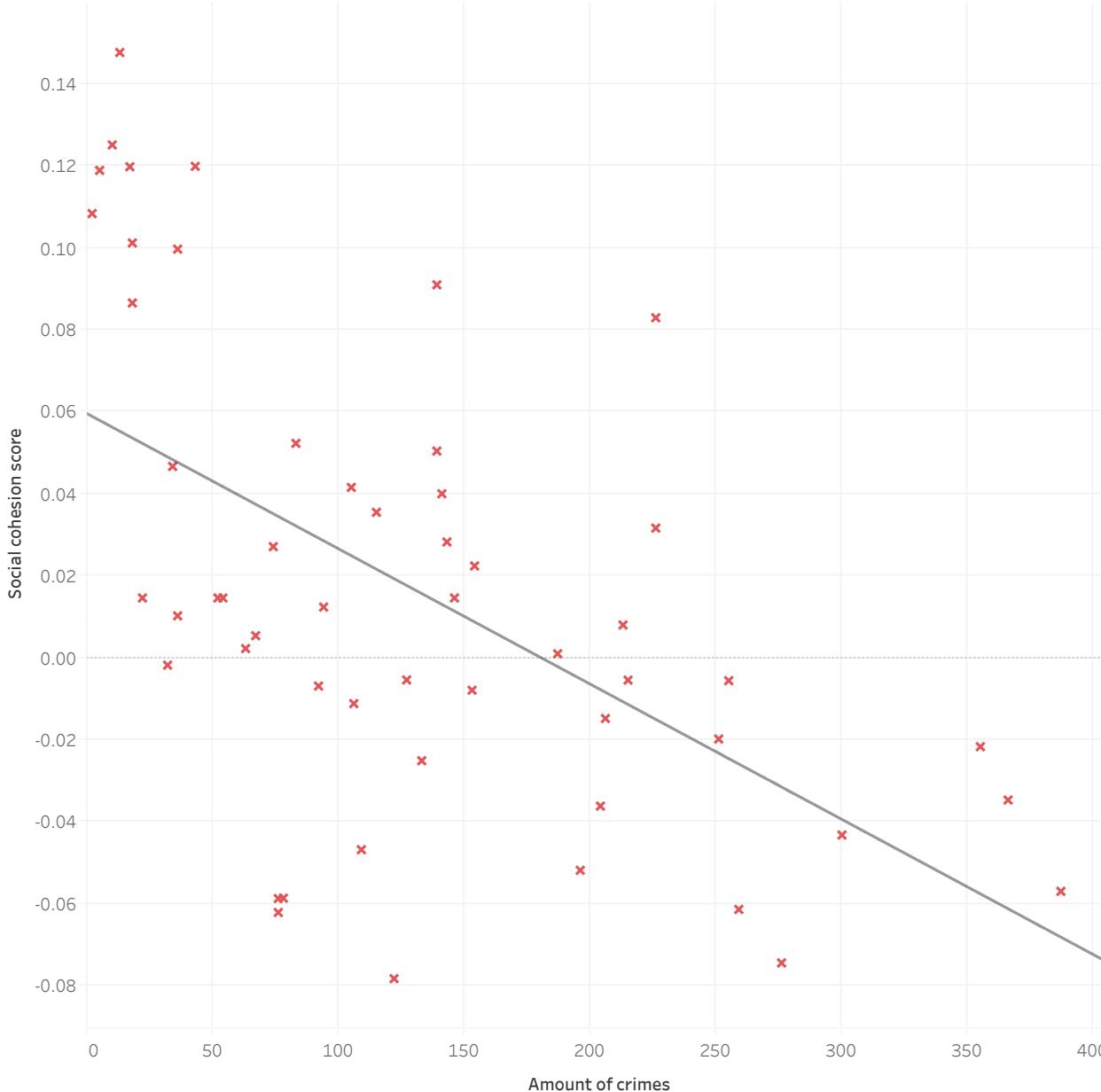
Sum of Amount of crimes vs. average of Amenities score (normalised). Details are shown for Neighborhood Name. The data is filtered on Action (Bu Naam), which keeps 56 members. The view is filtered on Neighborhood Name and sum of Amount of crimes. The Neighborhood Name filter excludes City. The sum of Amount of crimes filter keeps non-Null values only.

Safety vs livability (average / neighbourhood)



Average of Livability score vs. average of Unsafty score (normalised). Details are shown for Neighbourhood name. The data is filtered on Action (Neighborhood Name)andAction (Bu Naam). The Action (Neighborhood Name) filter keeps 56 members.The Action (Bu Naam) filter keeps 56 members.

Crime count vs social cohesion score / neighbourhood



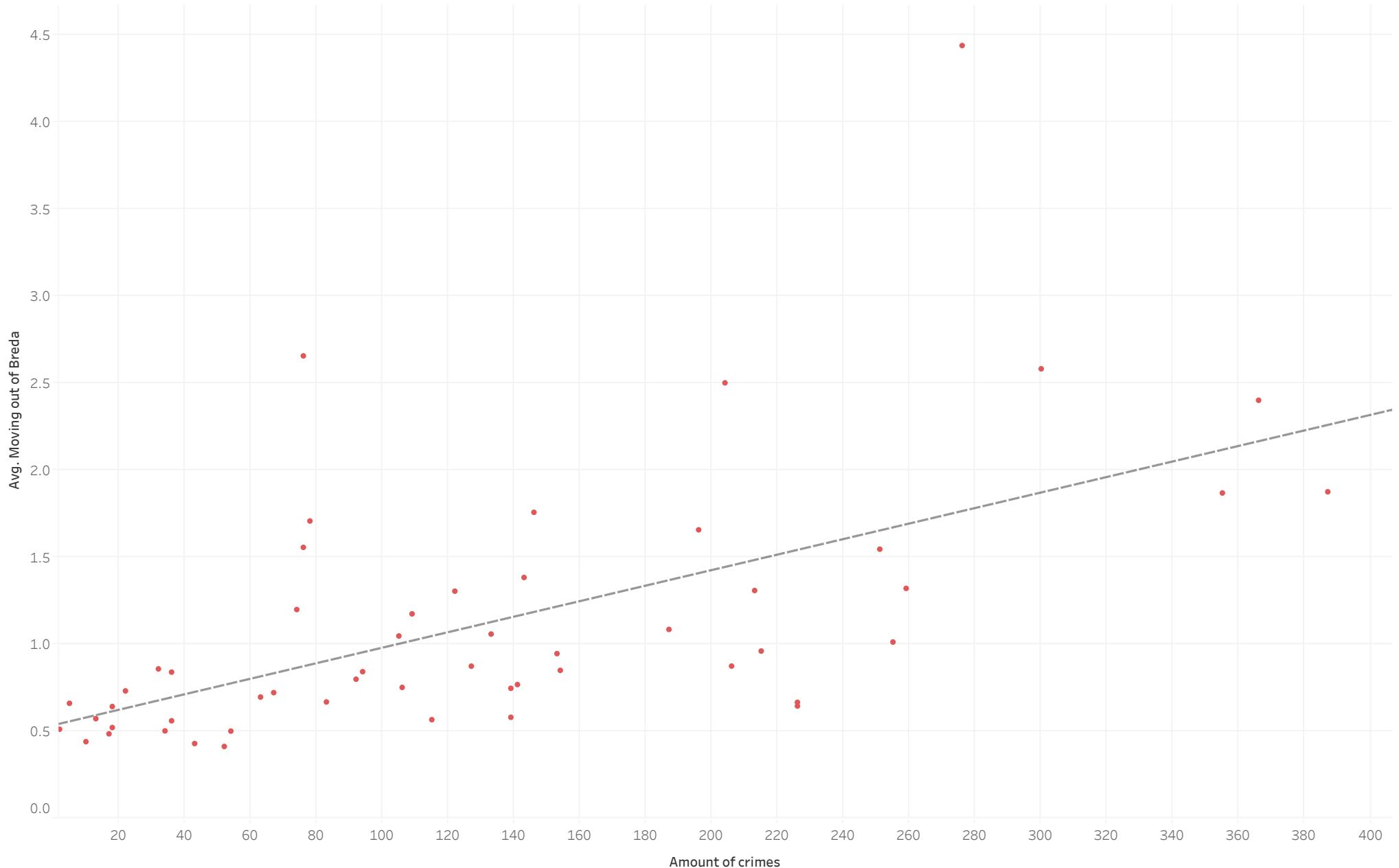
Sum of Amount of crimes vs. sum of Social cohesion score. Details are shown for Neighborhood Name. The data is filtered on Action (Neighborhood Name), Action (Bu Naam) and Neighbourhood name. The Action (Neighborhood Name) filter keeps 56 members. The Action (Bu Naam) filter keeps 56 members. The Neighbourhood name filter excludes CityandNull.

Crime vs residents with unemployment benefits



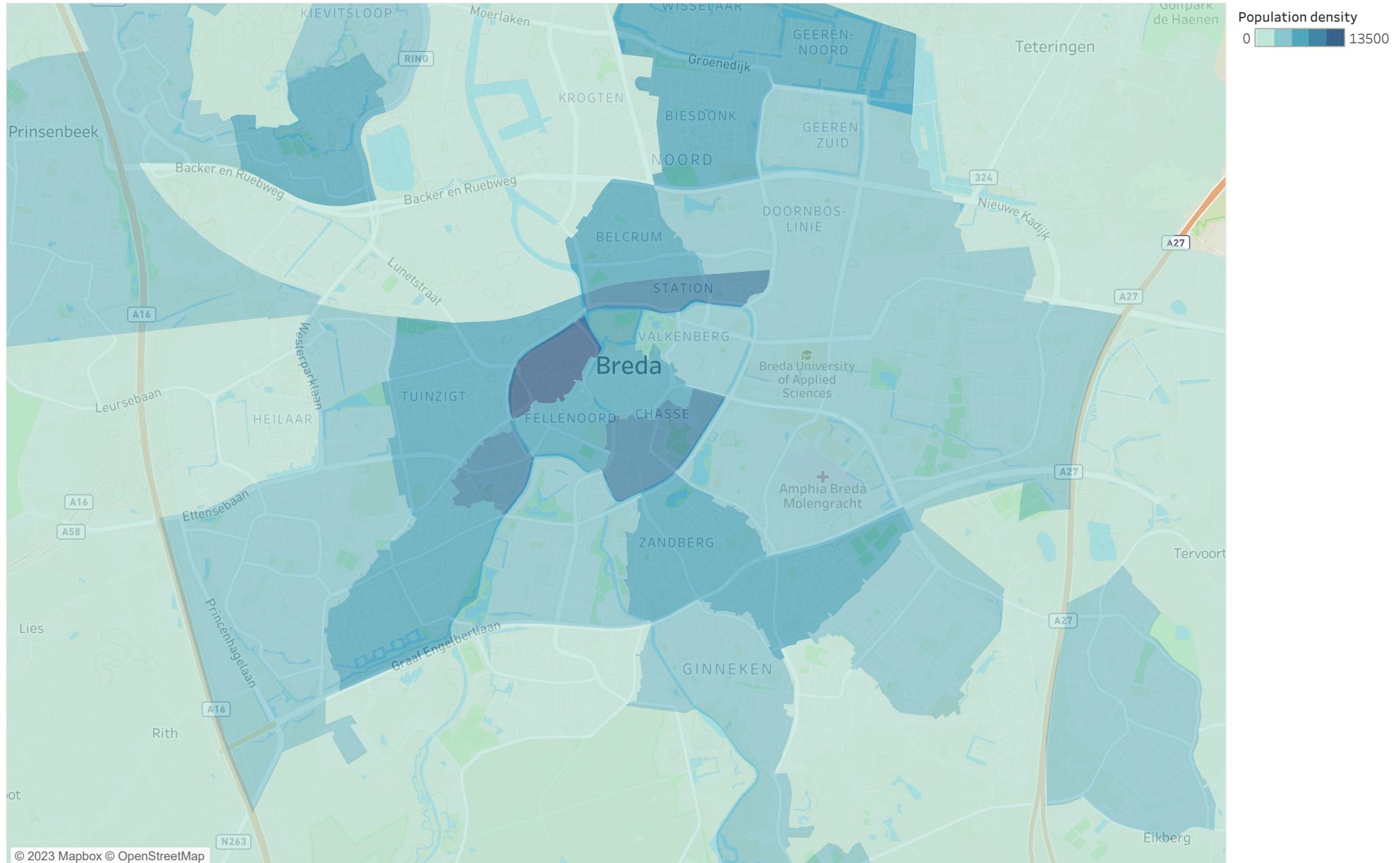
Amount of crimes vs. Amount of residents with unemployment benefits. Details are shown for Neighborhood Name. The data is filtered on Action (Neighborhood Name), Action (Bu Naam) and Neighbourhood name. The Action (Neighborhood Name) filter keeps 56 members. The Action (Bu Naam) filter keeps 56 members. The Neighbourhood name filter excludes City and Null.

Crime vs moving out



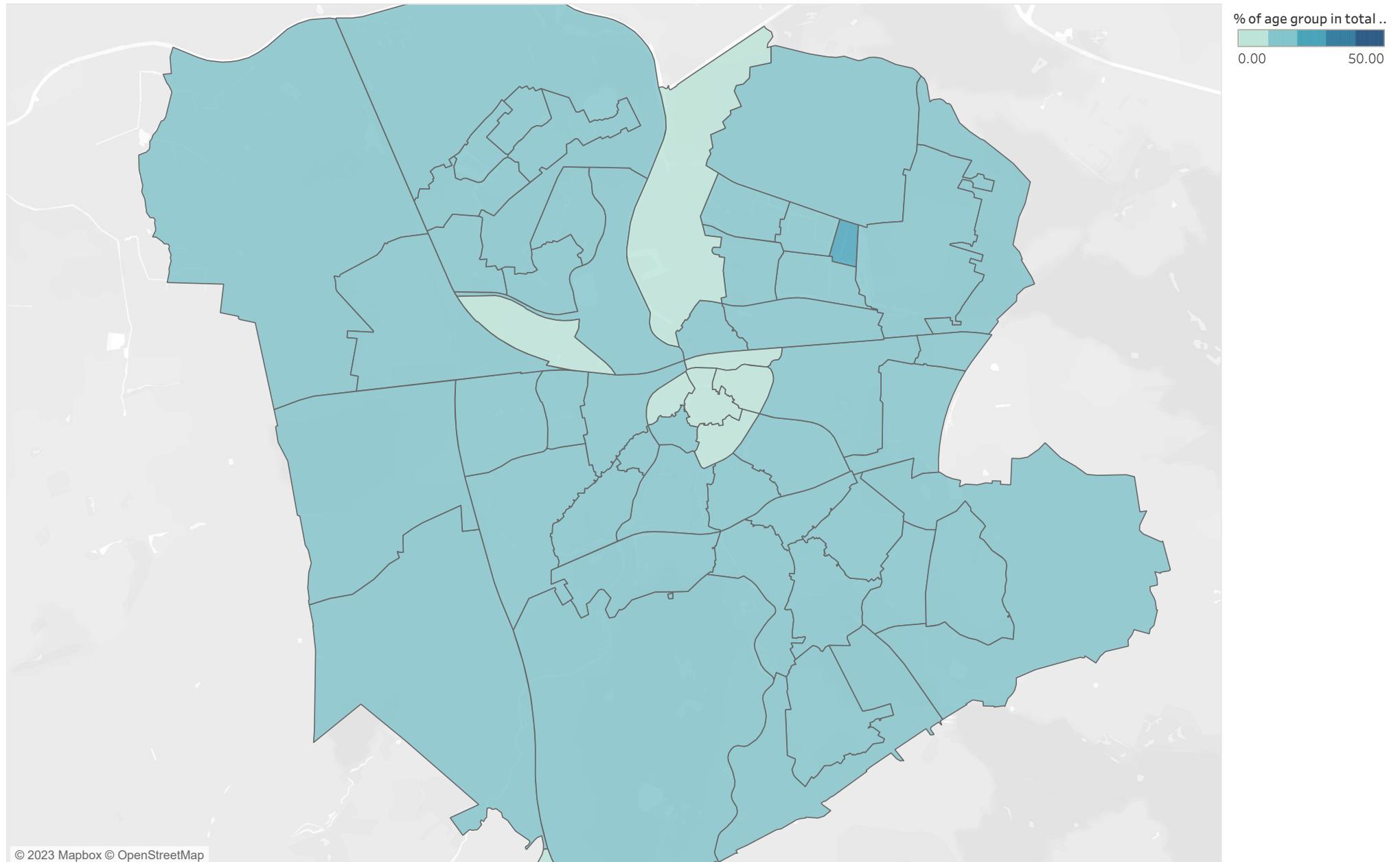
The trend of average of Moving out of Breda for Amount of crimes. Details are shown for Neighbourhood name. The data is filtered on Action (Neighborhood Name)andAction (Bu Naam).The Action (Neighborhood Name) filter keeps 56 members.The Action (Bu Naam) filter keeps 56 members.The view is filtered on Neighbourhood name, which excludes CityandNull.

## Population



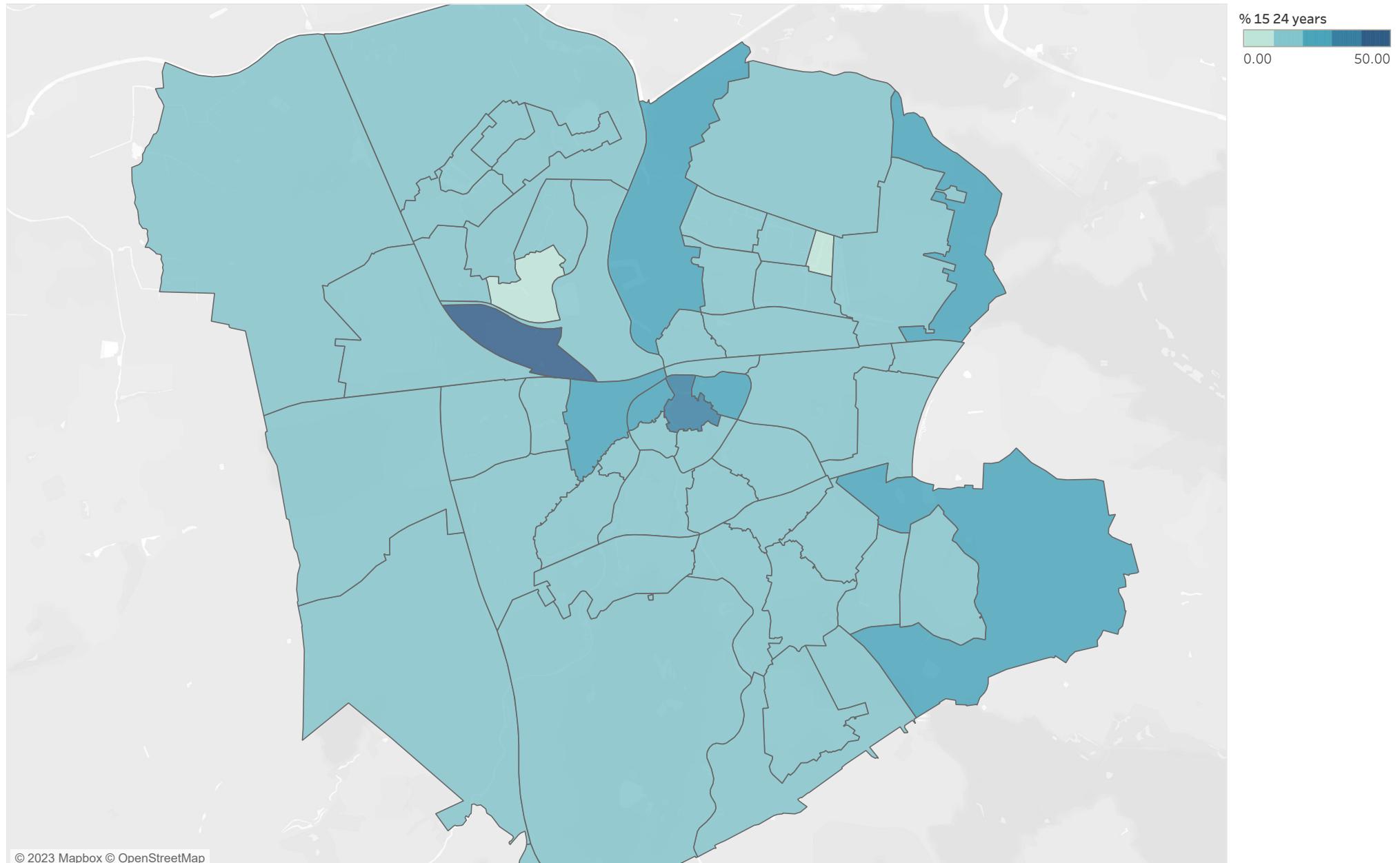
Map based on Longitude (generated) and Latitude (generated). Colour shows details about Population density. Details are shown for Neighbourhood name.

## Age 0 - 14



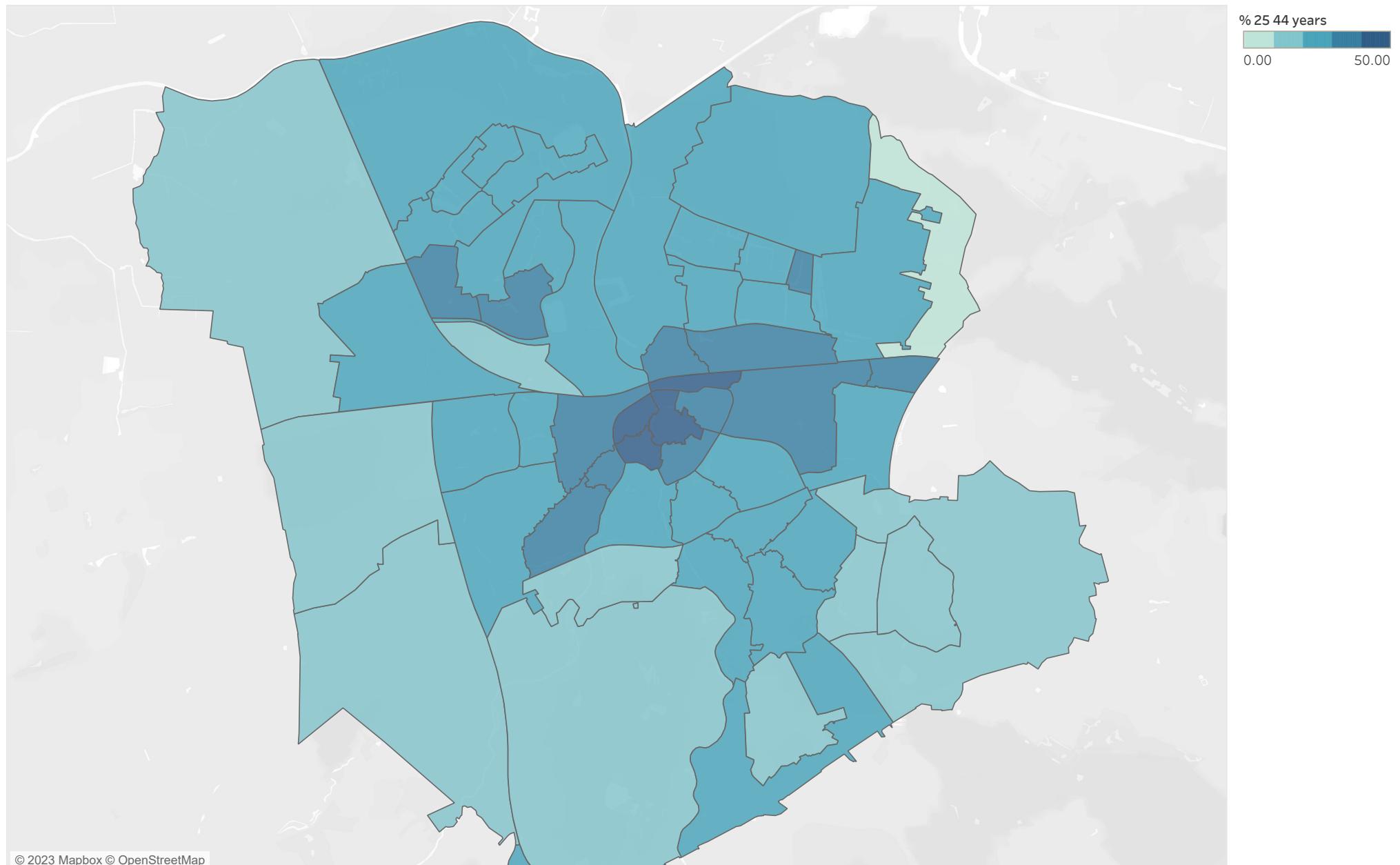
Map based on Longitude (generated) and Latitude (generated). Colour shows details about % 00 - 14 years. Details are shown for various dimensions. The view is filtered on Neighbourhood name, which excludes HoogeindandNull.

Age 15 - 24



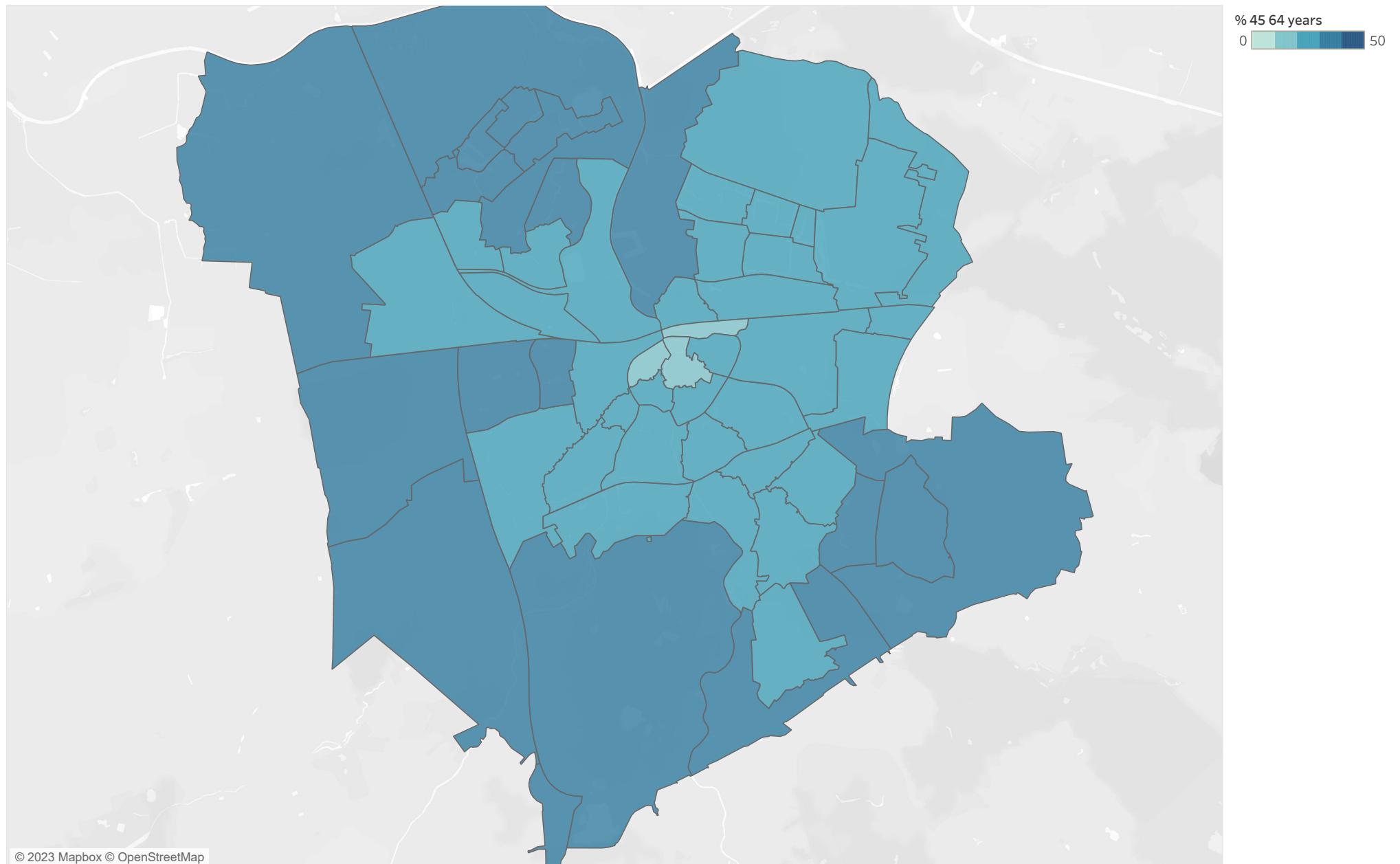
Map based on Longitude (generated) and Latitude (generated). Colour shows details about % 15-24 years. Details are shown for various dimensions. The view is filtered on Neighbourhood name, which excludes HoogeindandNull.

Age 25 - 44



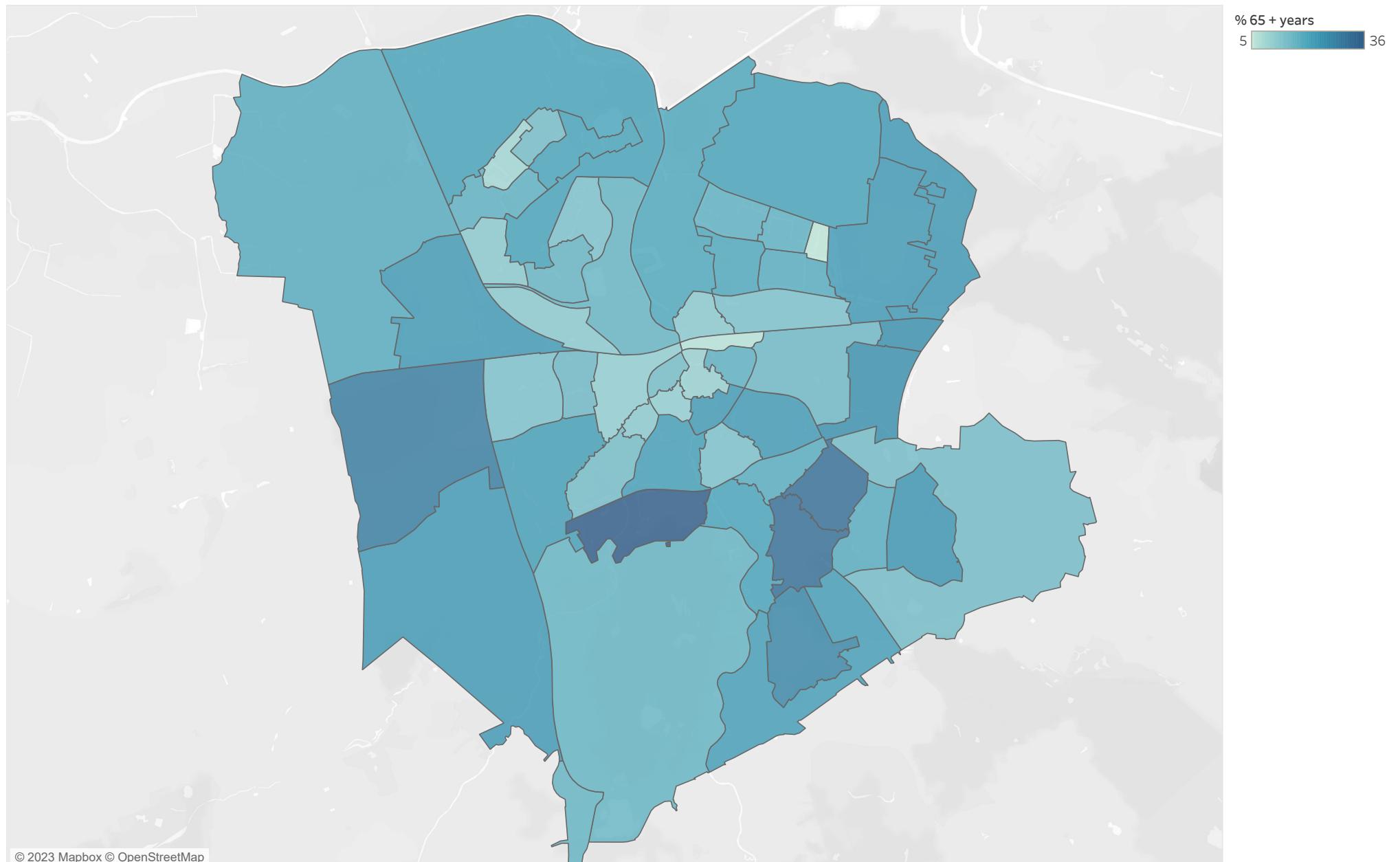
Map based on Longitude (generated) and Latitude (generated). Colour shows details about % 25-44 years. Details are shown for various dimensions. The view is filtered on Neighbourhood name, which excludes HoogeindandNull.

Age 45 - 64



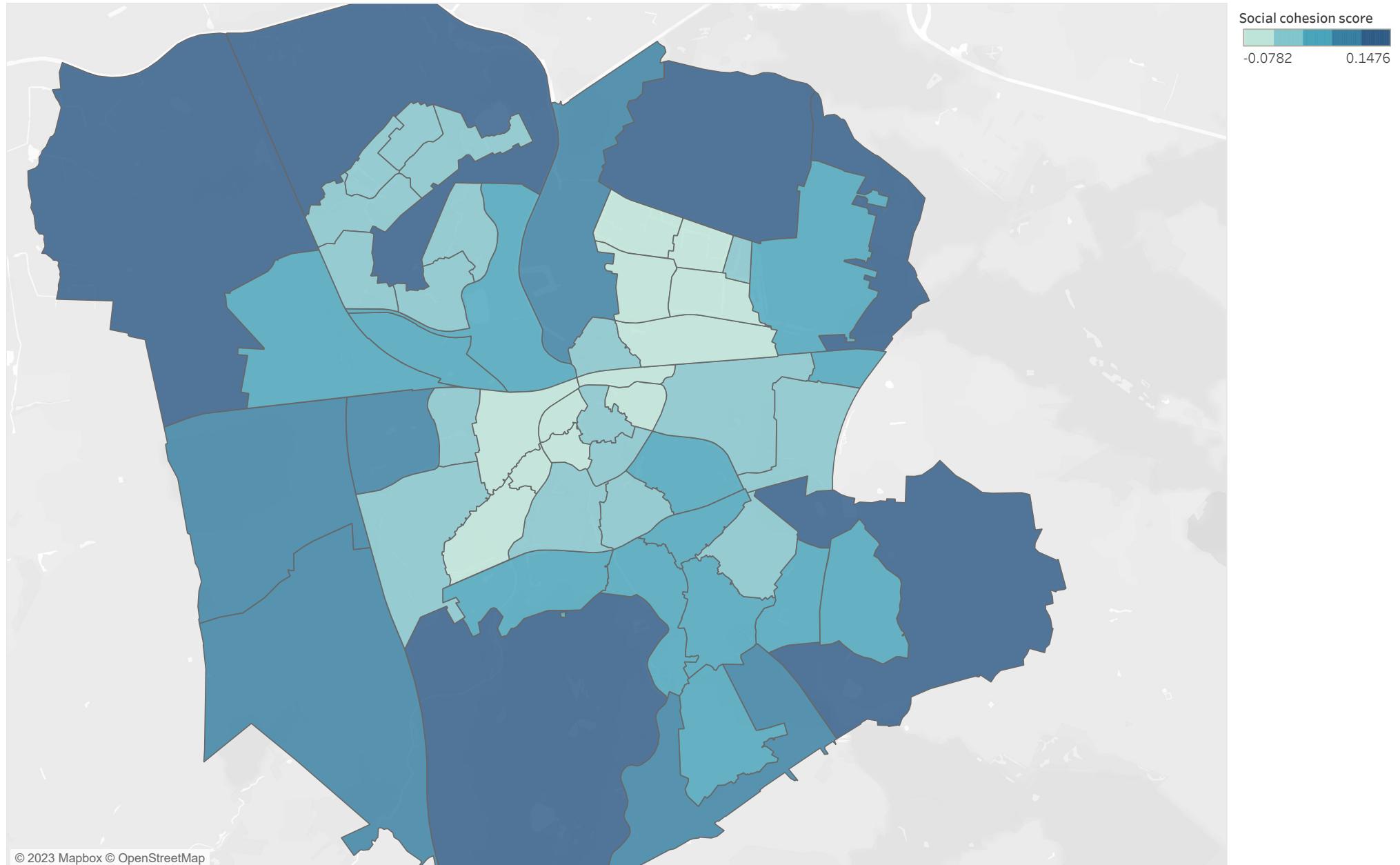
Map based on Longitude (generated) and Latitude (generated). Colour shows details about % 45-64 years. Details are shown for various dimensions. The view is filtered on Neighbourhood name, which excludes HoogeindandNull.

Age 65 +



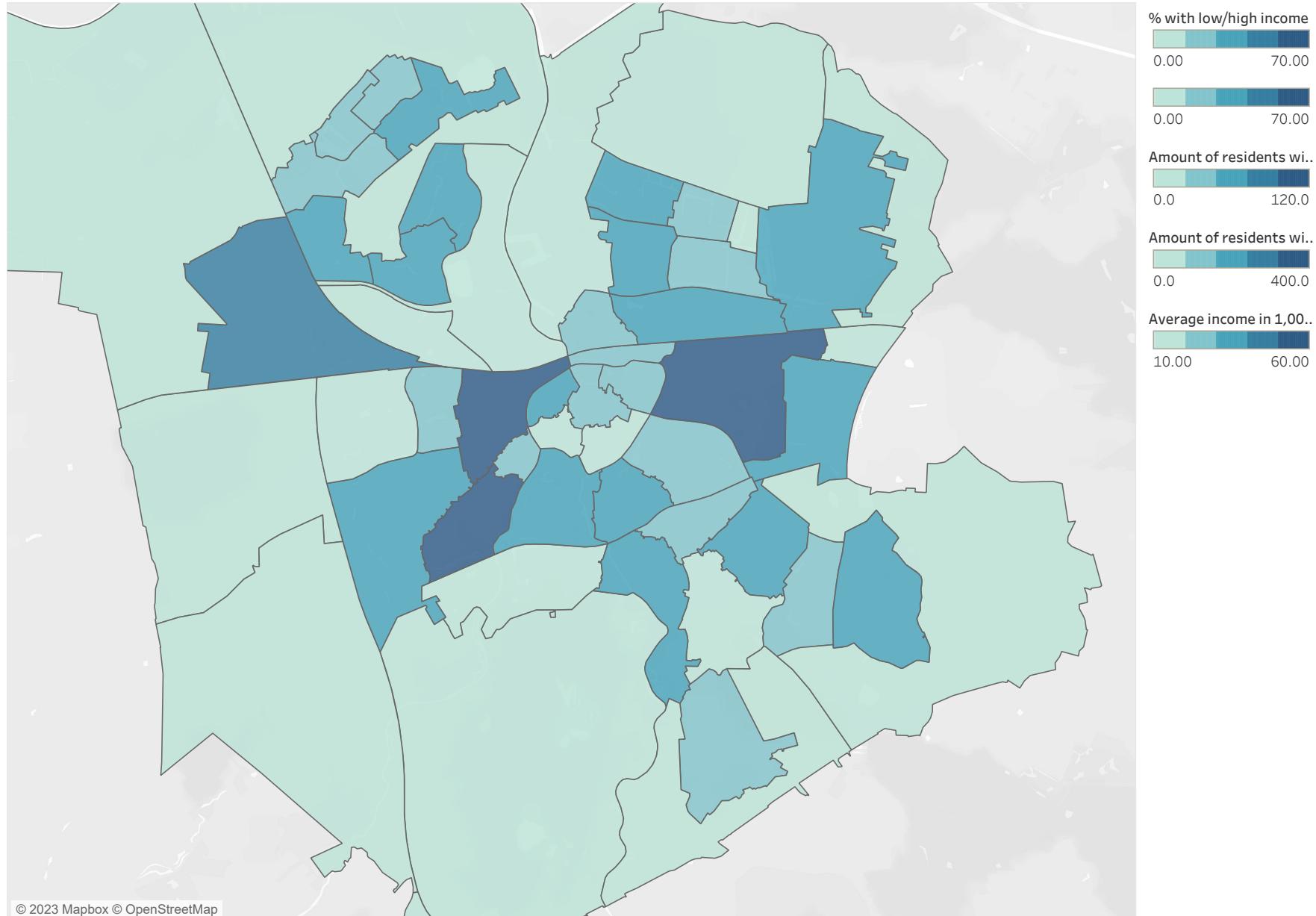
Map based on Longitude (generated) and Latitude (generated). Colour shows details about % 65 + years. Details are shown for various dimensions. The view is filtered on Neighbourhood name, which excludes HoogeindandNull.

## Social cohesion score



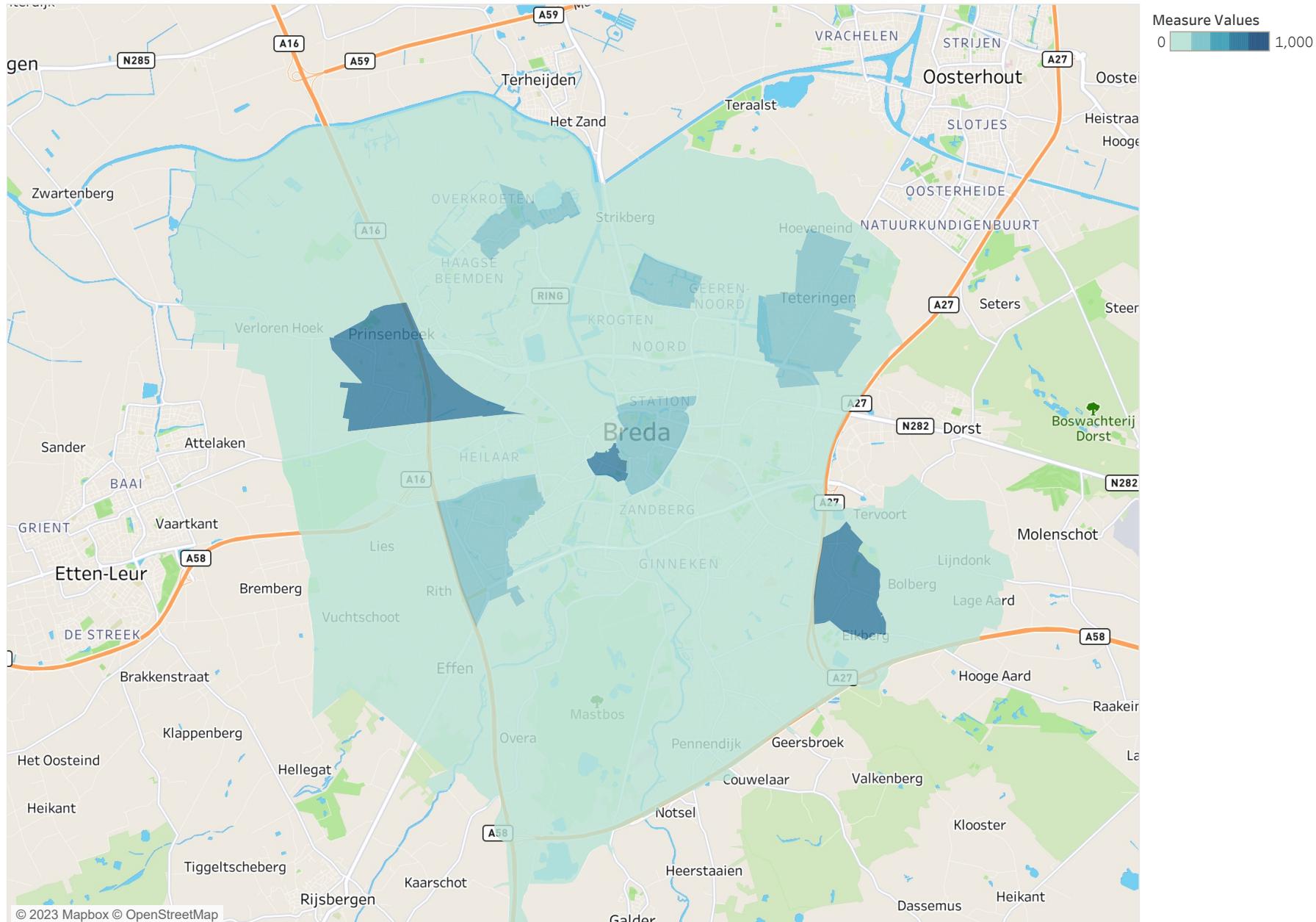
Map based on Longitude (generated) and Latitude (generated). Colour shows details about Social cohesion score. Details are shown for Neighbourhood name. The view is filtered on Neighbourhood name, which excludes HoogeindandNull.

## Income - Avg. Amount of residents with unemployment benefits



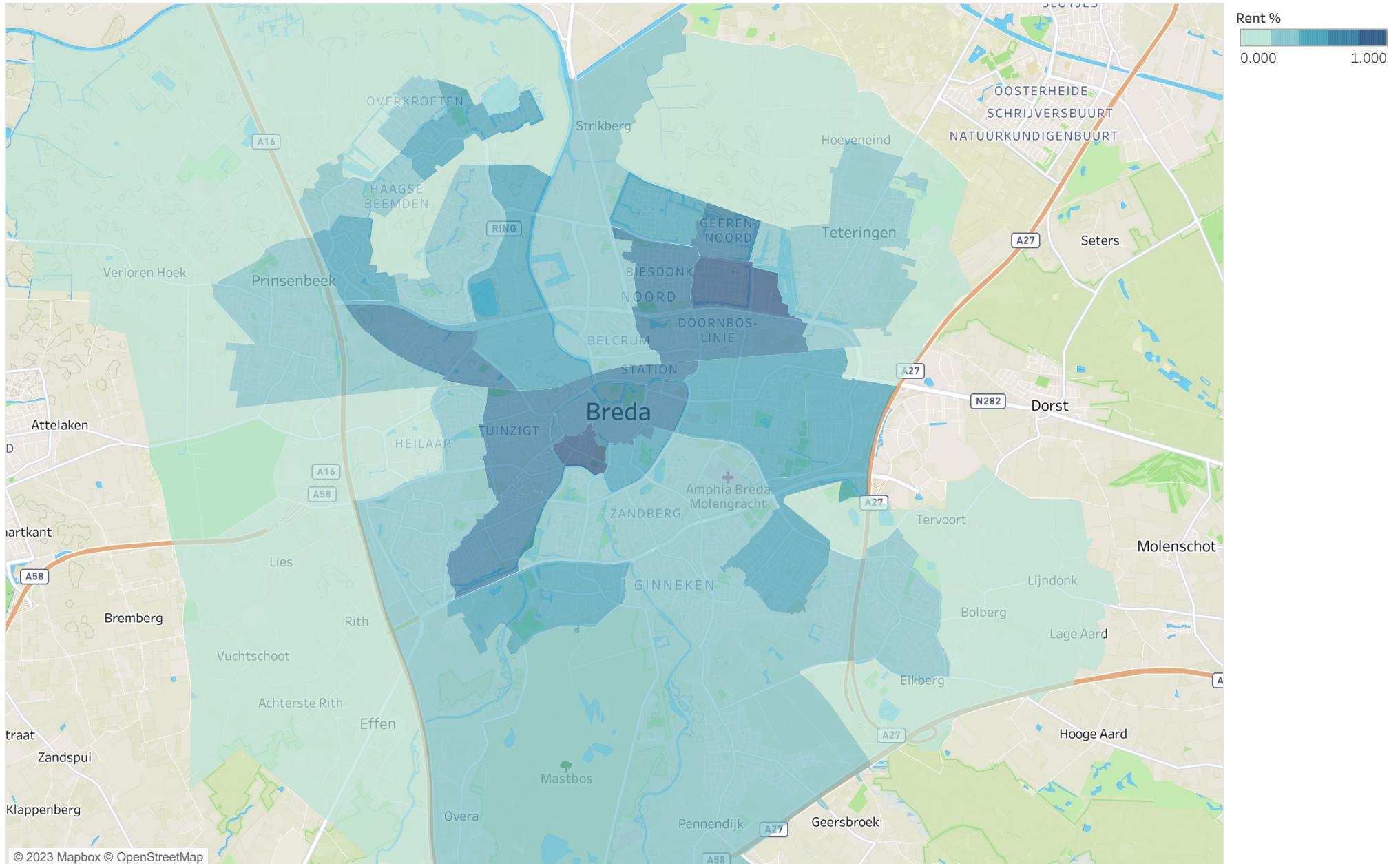
© 2023 Mapbox © OpenStreetMap  
Map based on Longitude (generated) and Latitude (generated). Colour shows Avg. Average income in 1,000,Avg. % with low income,Avg. % with high income,Avg. Amount of residents with welfare benefitandAvg. Amount of residents with unemployment benefits. Details are shown for Neighbourhood name.The view is filtered on Neighbourhood name, which excludes HoogeindandNull.

## Homes built year - 1980 To 1989



Map based on Longitude (generated) and Latitude (generated). Colour shows 1906 To 1945, 1946 To 1959, 1960 To 1969, 1970 To 1979, 1980 To 1989, 1990 To 1999, 2000 To 2009 and 2010 To 2019. Details are shown for Neighbourhood name. The view is filtered on Neighbourhood name, which excludes HoogeindandNull.

## % Rent / Buy



Map based on Longitude (generated) and Latitude (generated). Colour shows details about Rent %. Details are shown for Neighbourhood name and Buy %. The view is filtered on Neighbourhood name, which excludes HoogeindandNull.