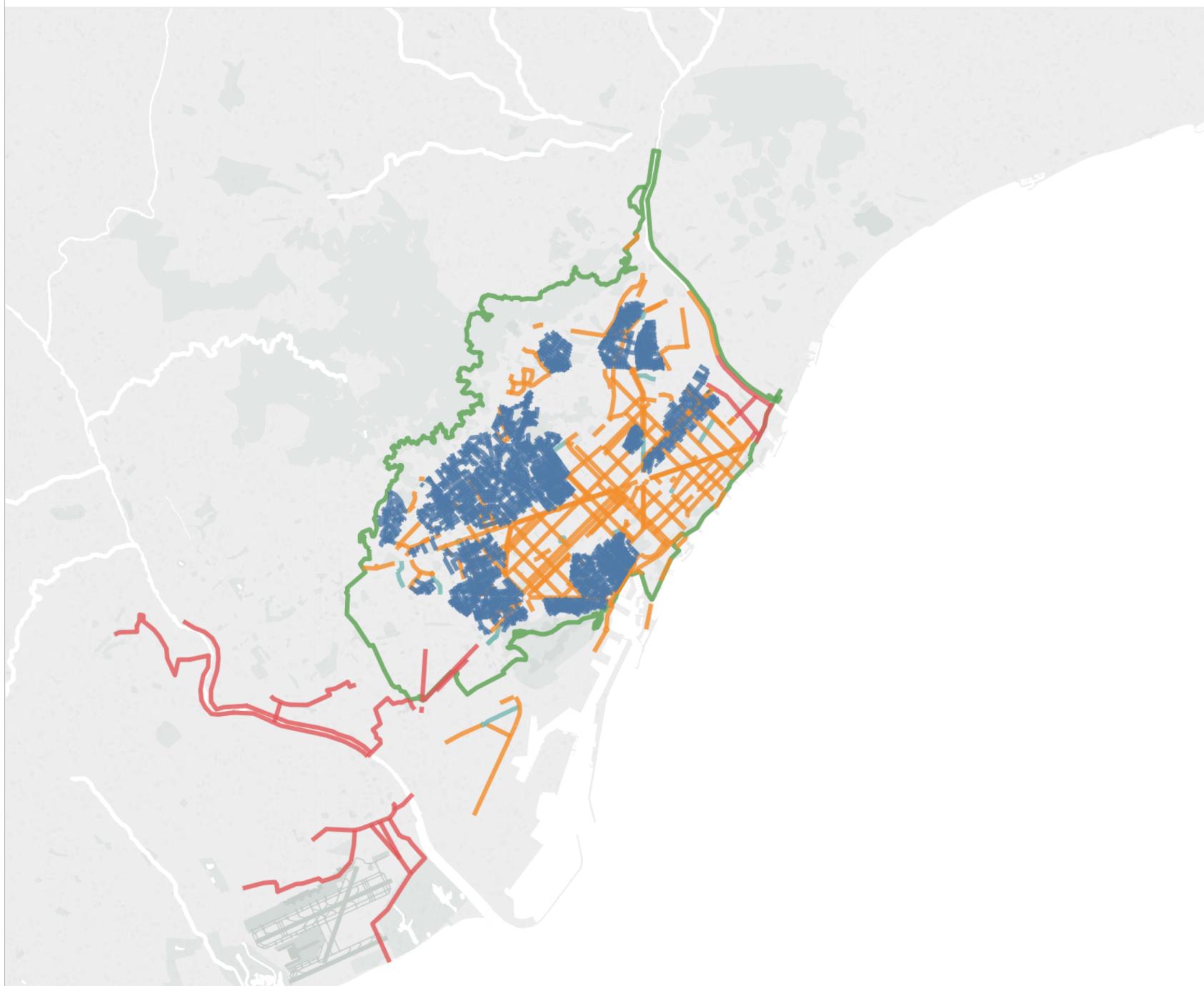


# Barcelona Bike use and accident overview

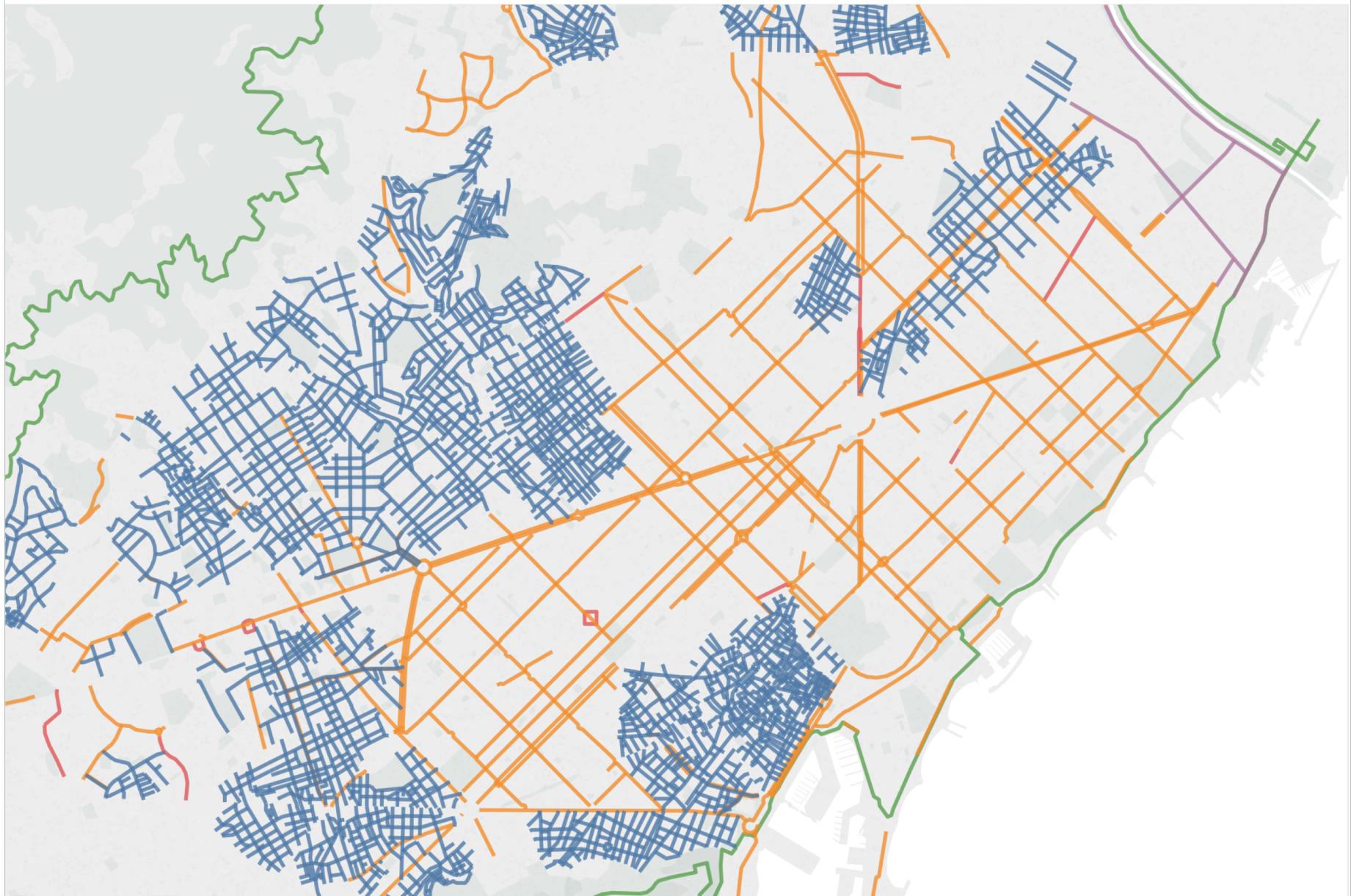
Angela Ulrich, USA  
Camila González, Barcelona  
Ramón Ferri García, Granada (Spain)  
Ian Thomas, USA



- Codi Capa**
- 30 Kph Zones
  - Existing Bike Lanes
  - Extra-Municipal Bike Lanes
  - Proposed Bike Lanes
  - Ronda Verde

Map based on Longitude (generated) and Latitude (generated). Color shows details about Codi Capa.

## Bike Lanes



Map based on Longitude (generated) and Latitude (generated). Color shows details about Codi Capa.

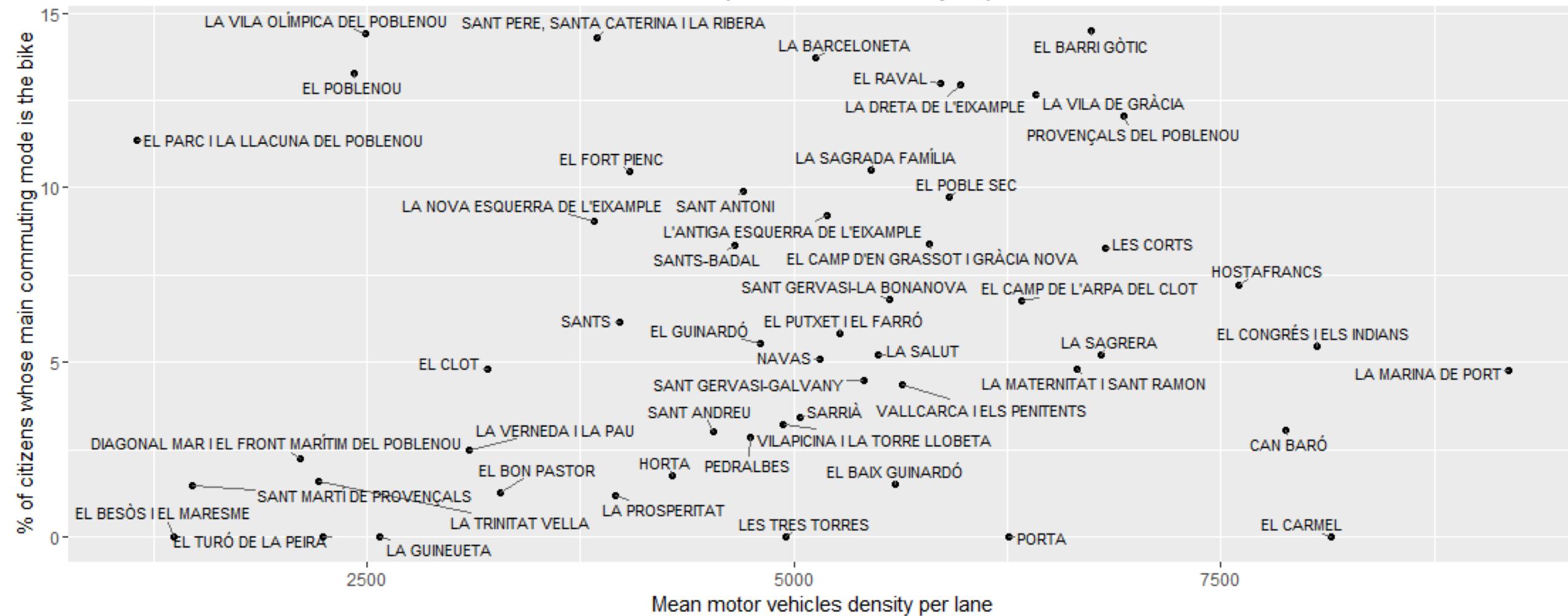
### Codi Capa

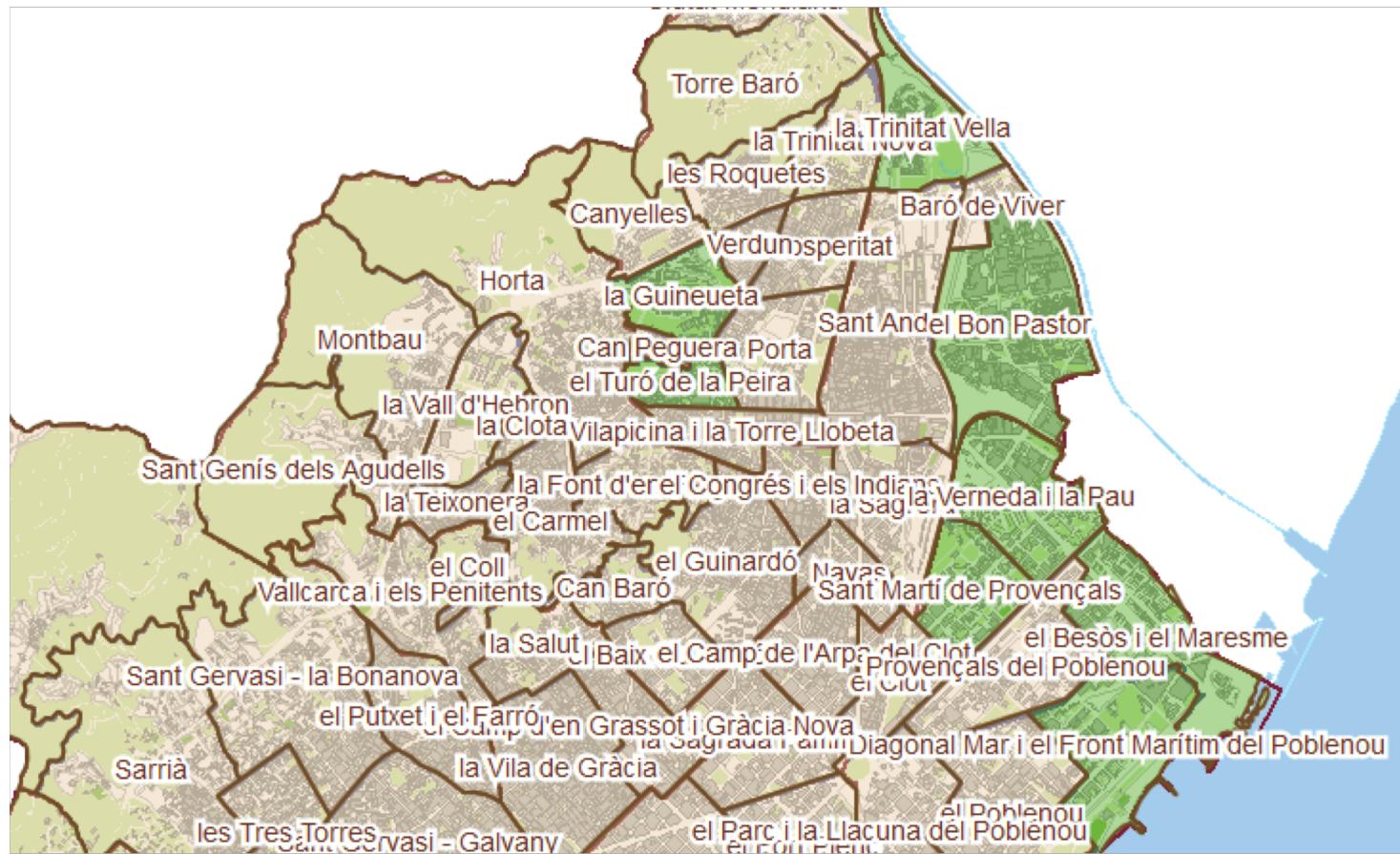
■ 30 Kph Zones



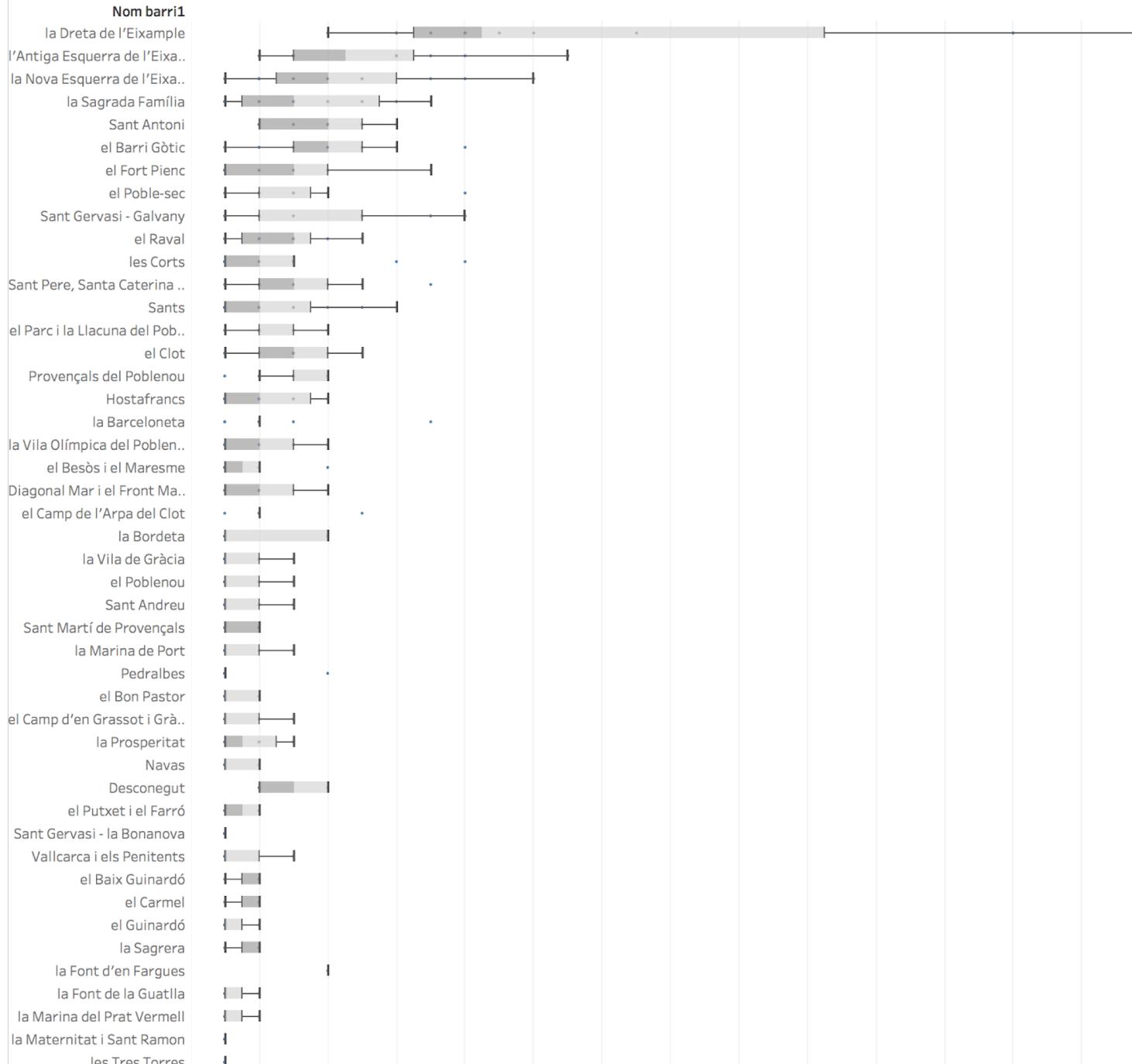
## Vehicles density and bike usage by neighbourhoods

Source: 2017 Municipal Services Survey, Open Data BCN

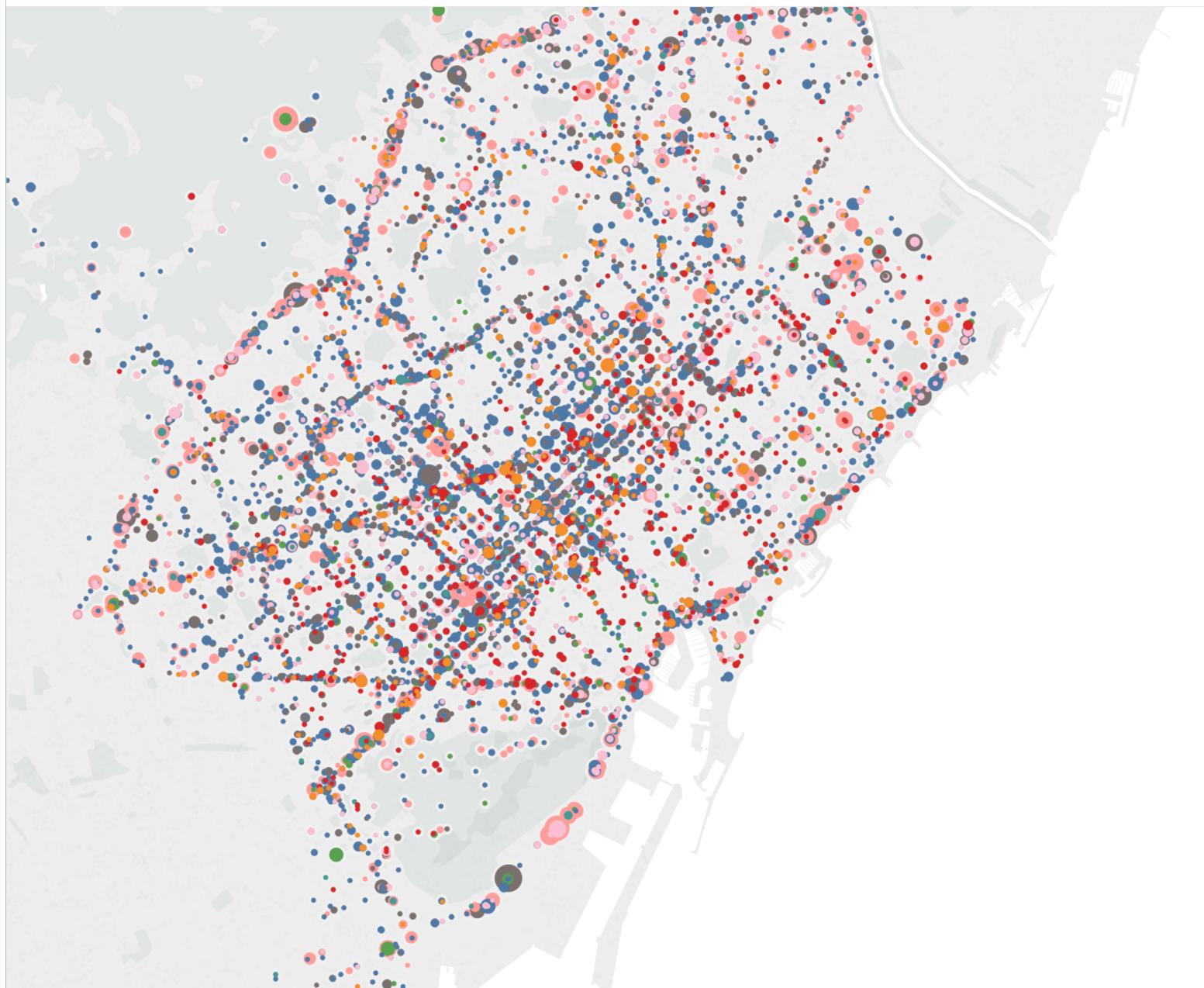




### BikeAccidentsByNeighborhoodByMonth



# Accidents



## Number of Records

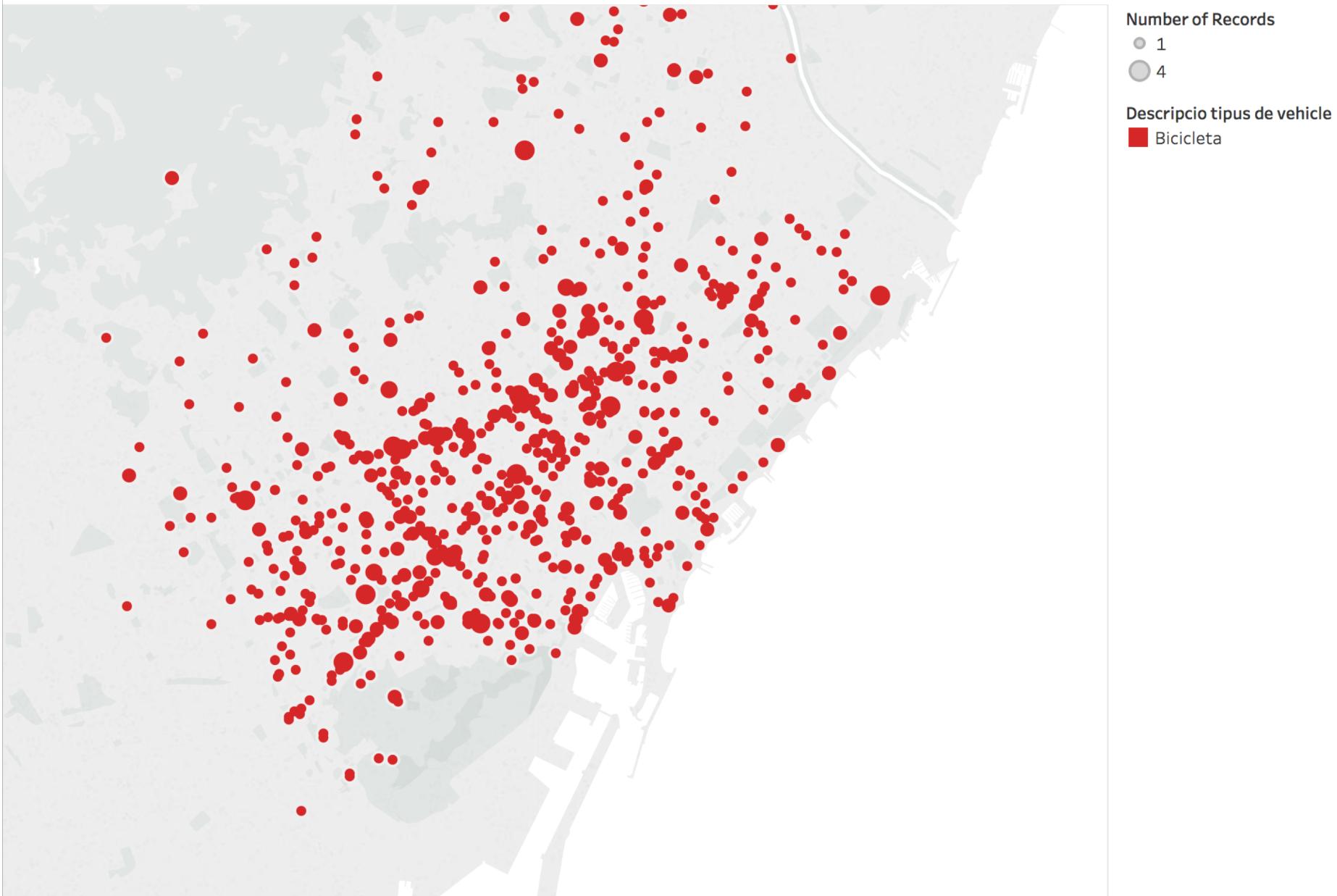
- 1
- 10
- 20
- 30
- 36

## Descripcio tipus de vehicle

- Autobús
- Bicicleta
- Camió rígid <= 3,5 tones
- Ciclomotor
- Furgoneta
- Motocicleta
- Taxi
- Turisme
- Turismo

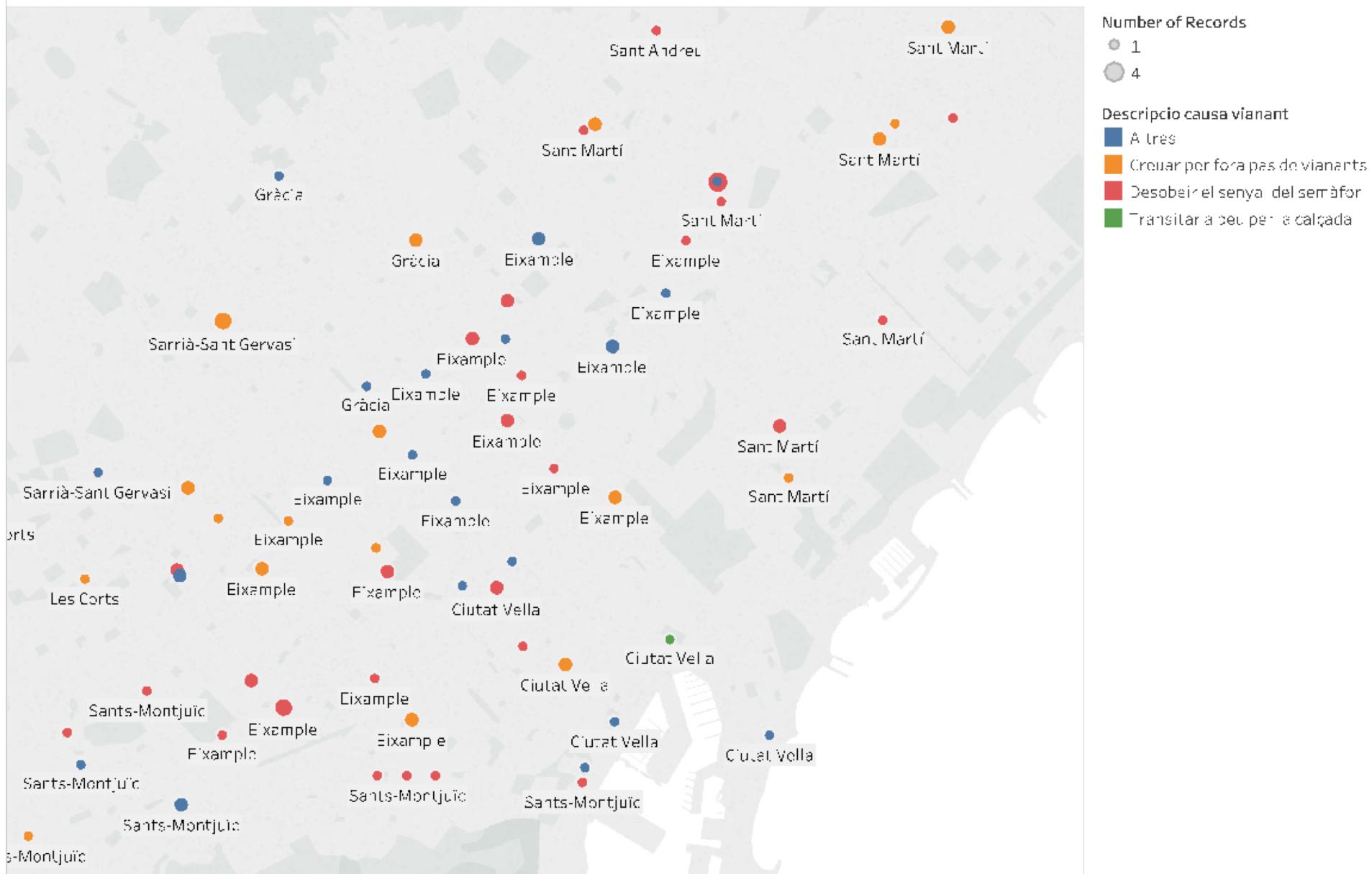
Map based on average of Longitud and average of Latitud. Color shows details about Descripcio tipus de vehicle. Size shows sum of Number of Records. Details are shown for Codi expedient. The view is filtered on Descripcio tipus de vehicle, which keeps 9 of 33 members.

# Accidents



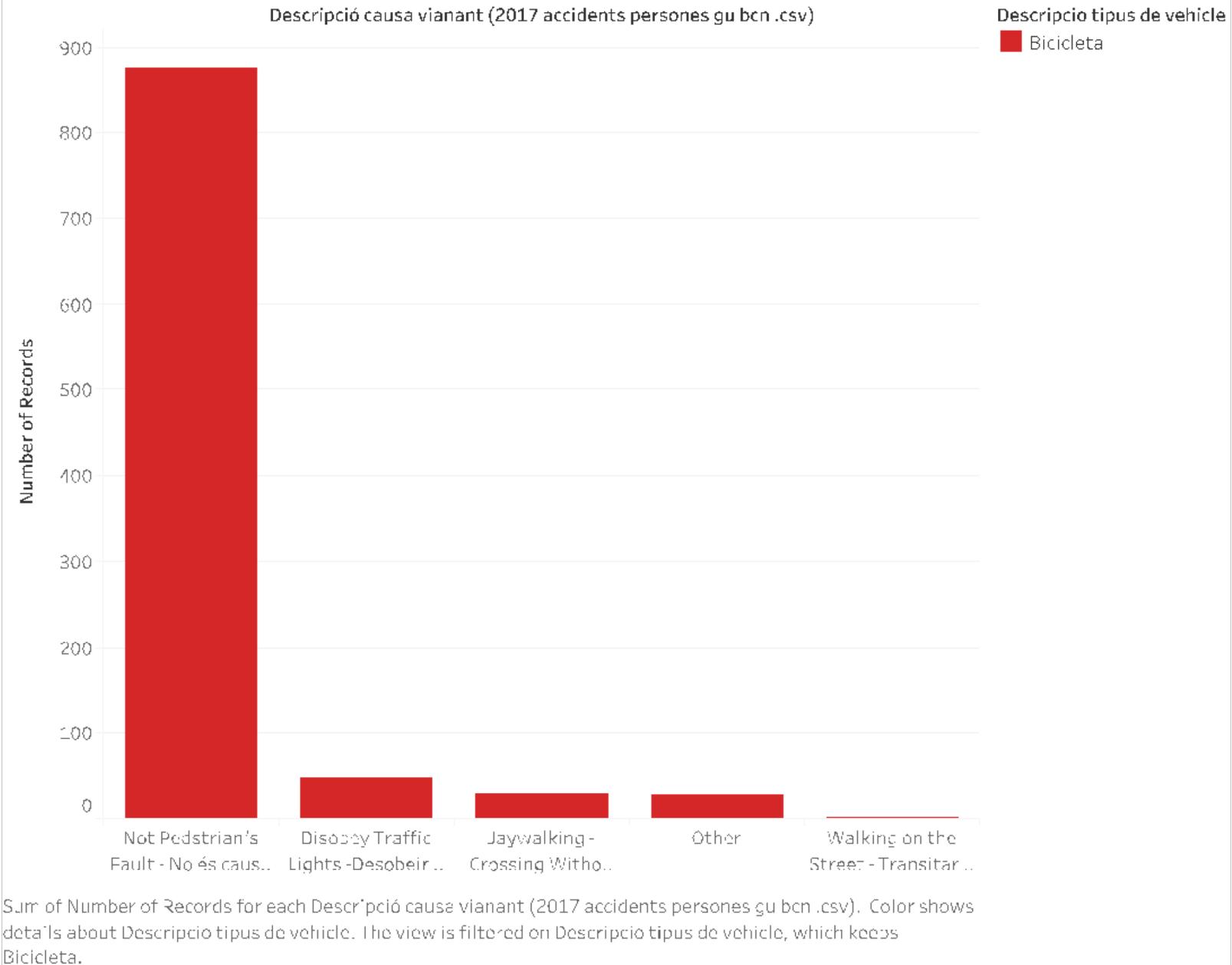
Map based on average of Longitud and average of Latitud. Color shows details about Descripcio tipus de vehicle. Size shows sum of Number of Records. Details are shown for Codi expedient and Nom barri (2017 accidents personnes gu bcn .csv). The view is filtered on Descripcio tipus de vehicle, which keeps Bicicleta.

# Accidents

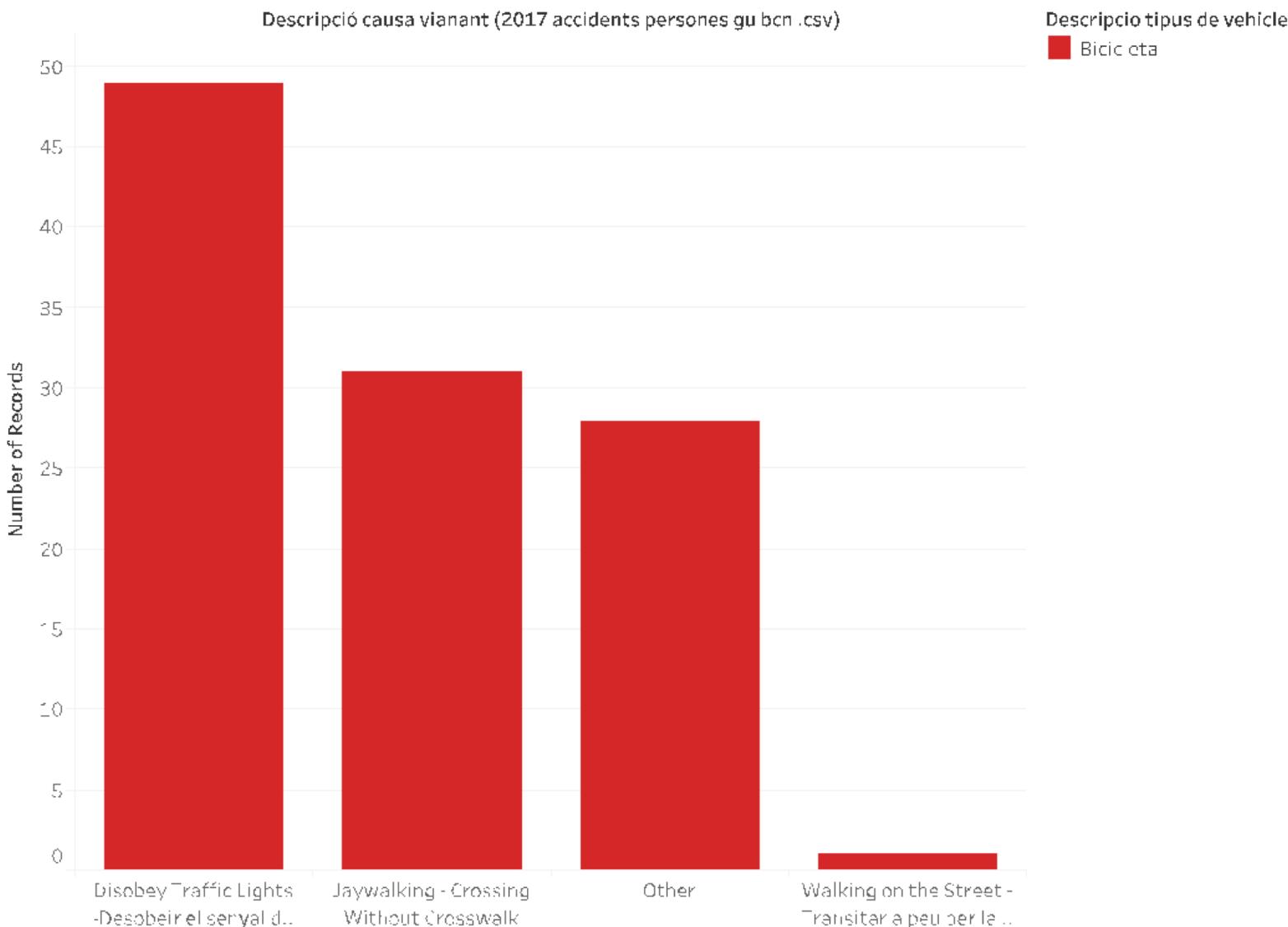


Map based on average of Longitud and average of Latitud. Colours shows details about Descripció causa vianant. Size shows sum of Number of Records. The marks are labeled by Nom districte1. Details are shown for Codi expedient and Nom barri (2017 accidents personnes gu.ocn.csv). The categories filtered on Descripció tipus de vehicle, which keeps Bicicleta. The view is filtered on Descripció causa vianant, which excludes No és causa del vianant.

## AccidentsByBikeByCause

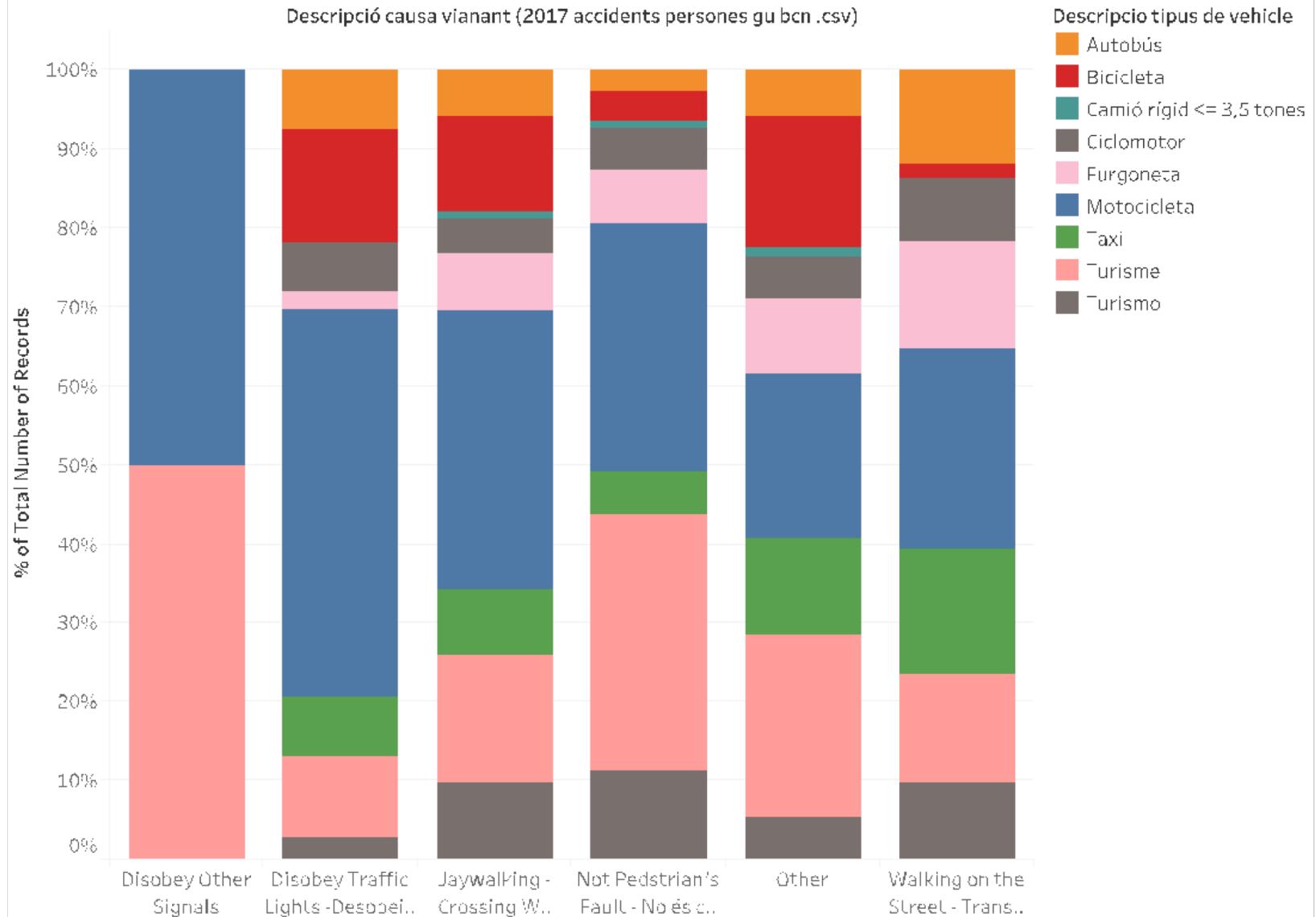


## AccidentsByBikeByCause



Summary: Number of Records for each Descripció causa vianant (2017 accidents personnes gu bcn .csv). Color shows details about Descripció tipus de vehicle. The view is filtered on Descripció tipus de vehicle and Descripció causa vianant (2017 accidents personnes gu bcn .csv). The Descripció tipus de vehicle filter keeps Bicicleta. The Descripció causa vianant (2017 accidents personnes gu bcn .csv) filter keeps Other, Jaywalking - Crossing Without Crosswalk, Disobey Other Signals, Disobey Traffic Lights -Desobeir el senyal del semàfor and Walking on the Street - Transitar a peu per la calçada.

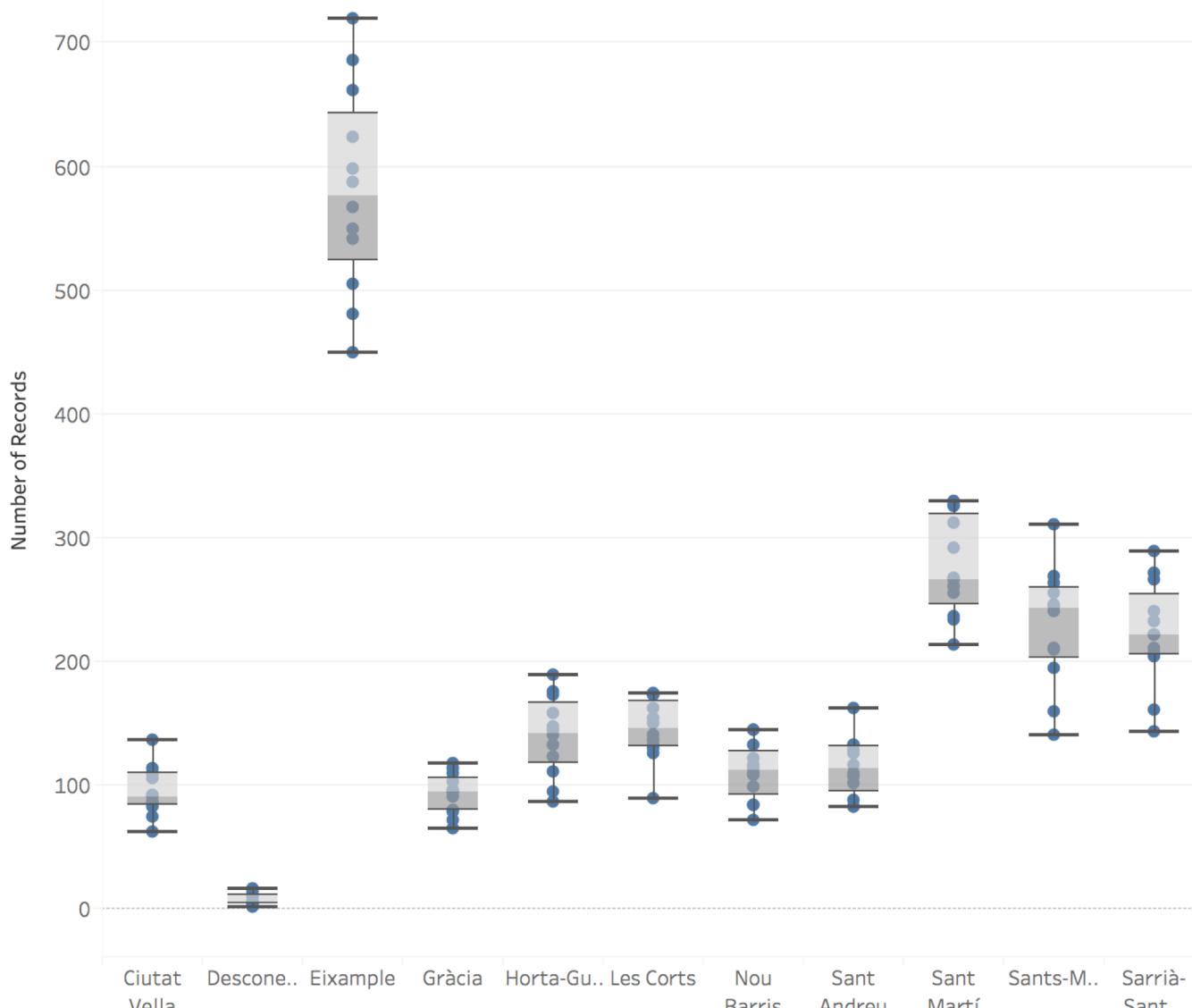
## AccidentsByVehicleByCause



% of Total Number of Records for each Descripció causa vianant (2017 accidents personnes gu bcn .csv). Color shows details about Descripció tipus de vehicle. The view is filtered on Descripció tipus de vehicle, which keeps 9 of 33 members.

# AccidentsByDistrictByMonth

Nom districte (2017 accidents causes gu bcn .csv)



Sum of Number of Records for each Nom districte (2017 accidents causes gu bcn .csv). Details are shown for Nom mes (2017 accidents causes gu bcn .csv).