



# **Analysing and visualising bike sharing usage in Hamburg**

**Open Bike Data & Mapping with OpenStreetMap**

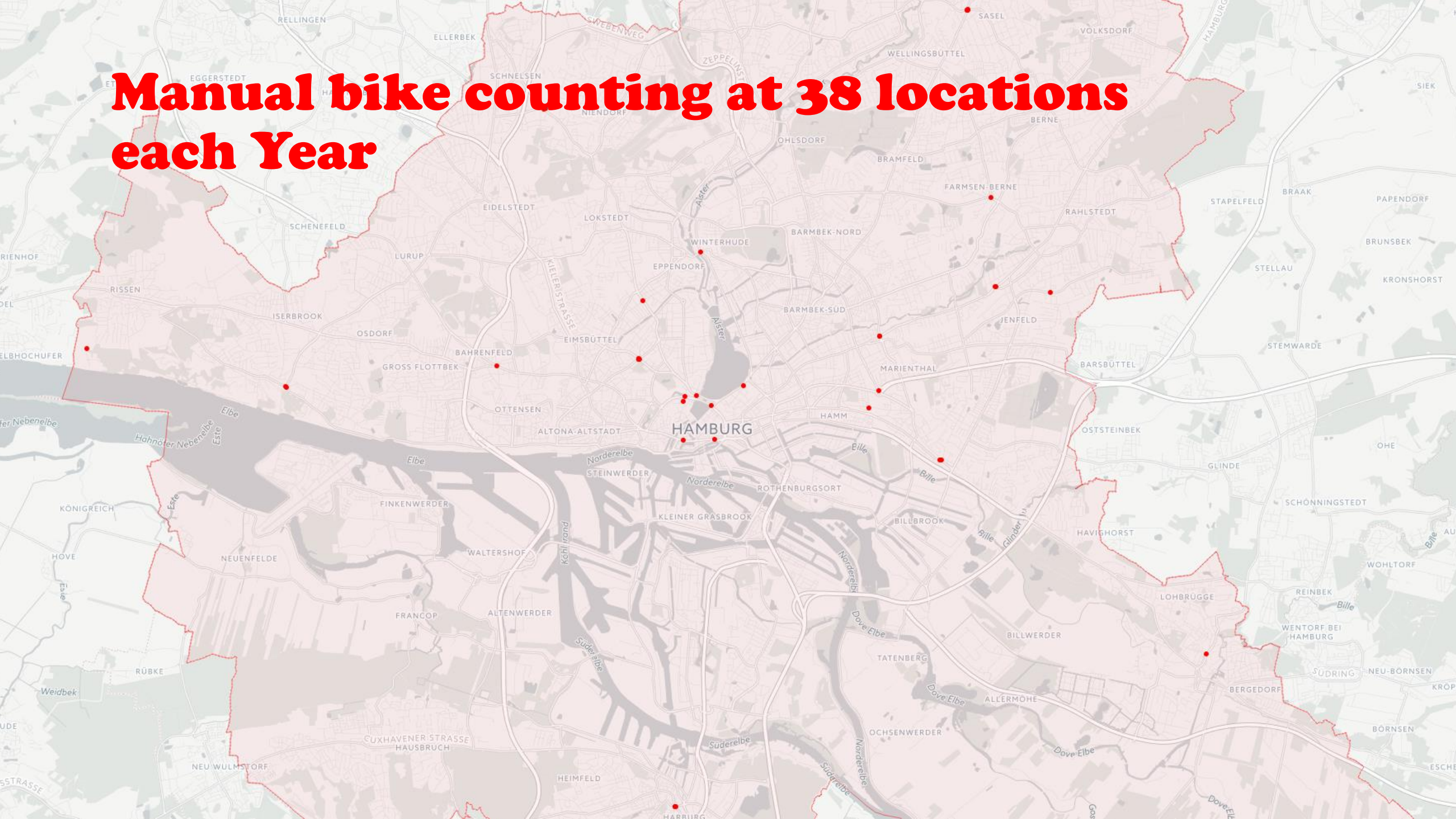
**July 2017 – Alexander Kruse**

## **How does Hamburg measure bike usage?**

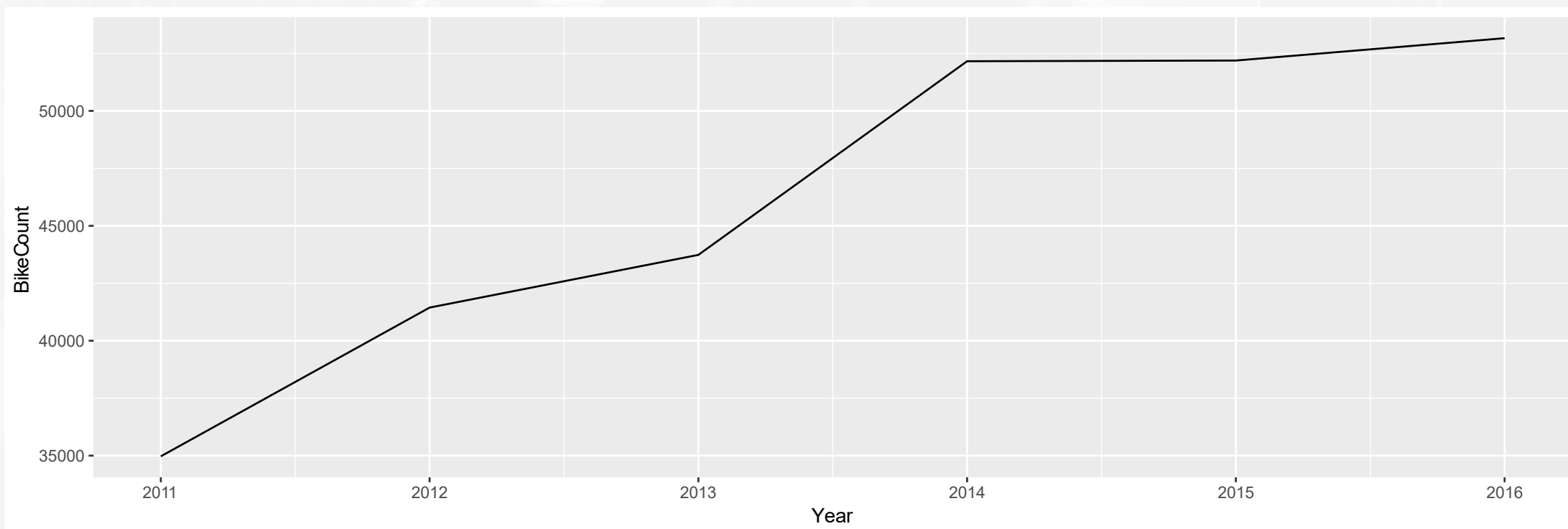
1. Household surveys (last ones in 2002 & 2008)
2. Automatic counting stations (only one in operation)
3. Manual counting once per year at 38 different locations in Hamburg



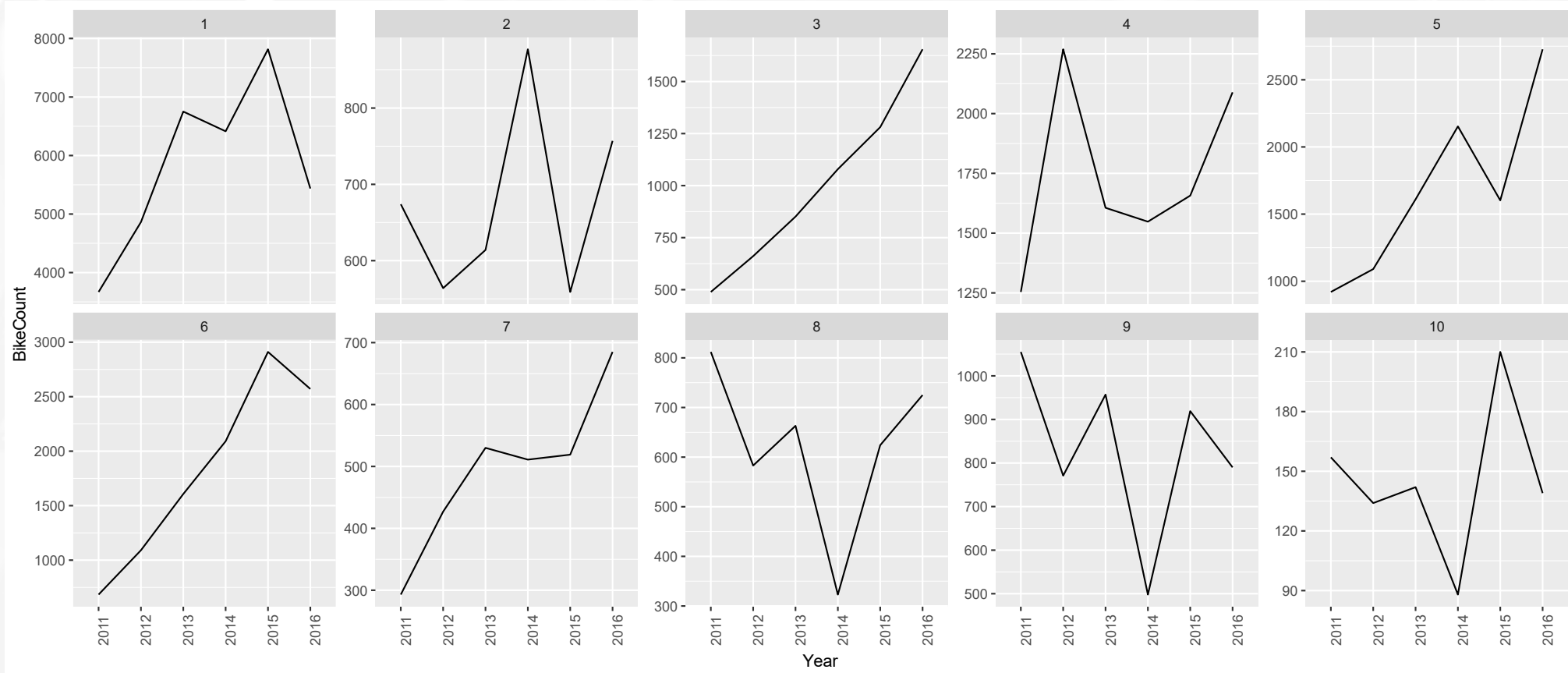
# Manual bike counting at 38 locations each Year



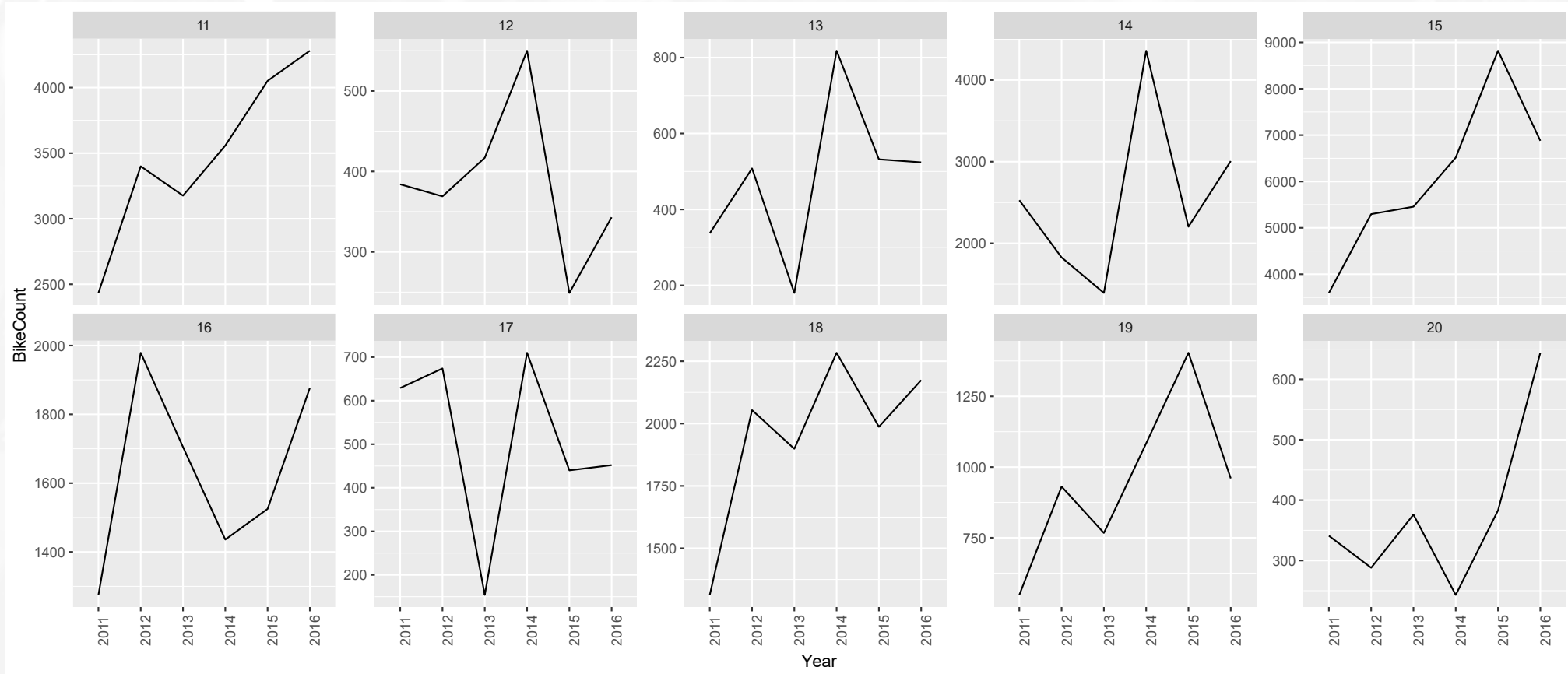
# Aggregated data of the 38 measuring locations



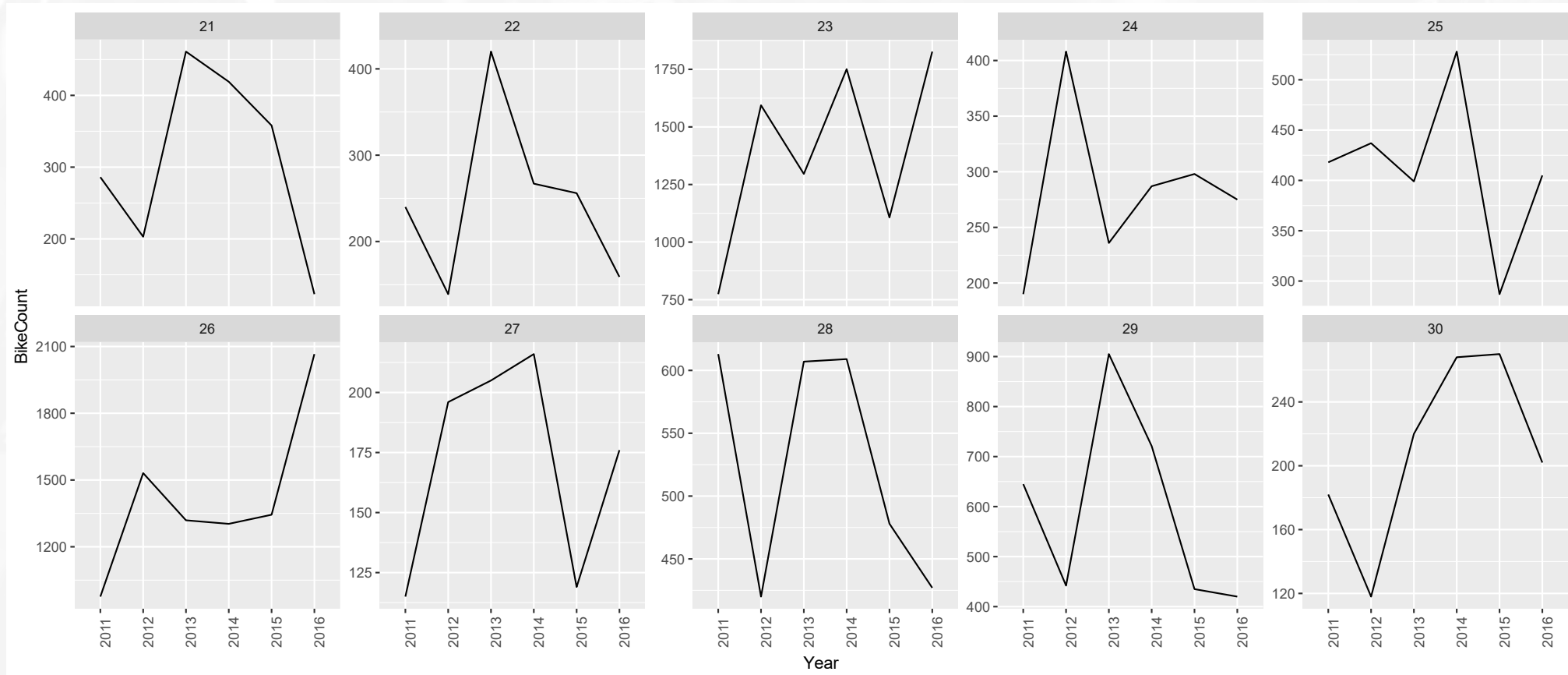
# Data of the 38 measuring locations



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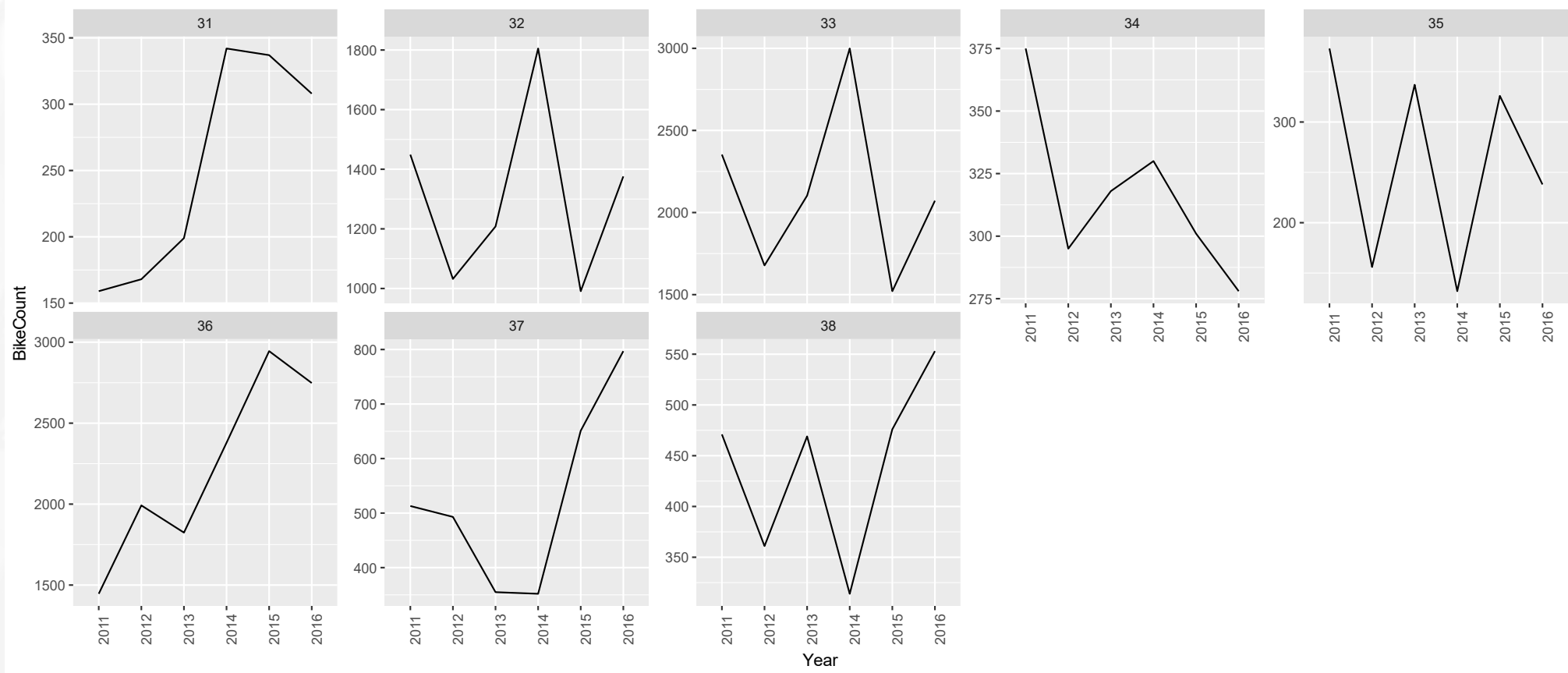


# Data of the 38 measuring locations





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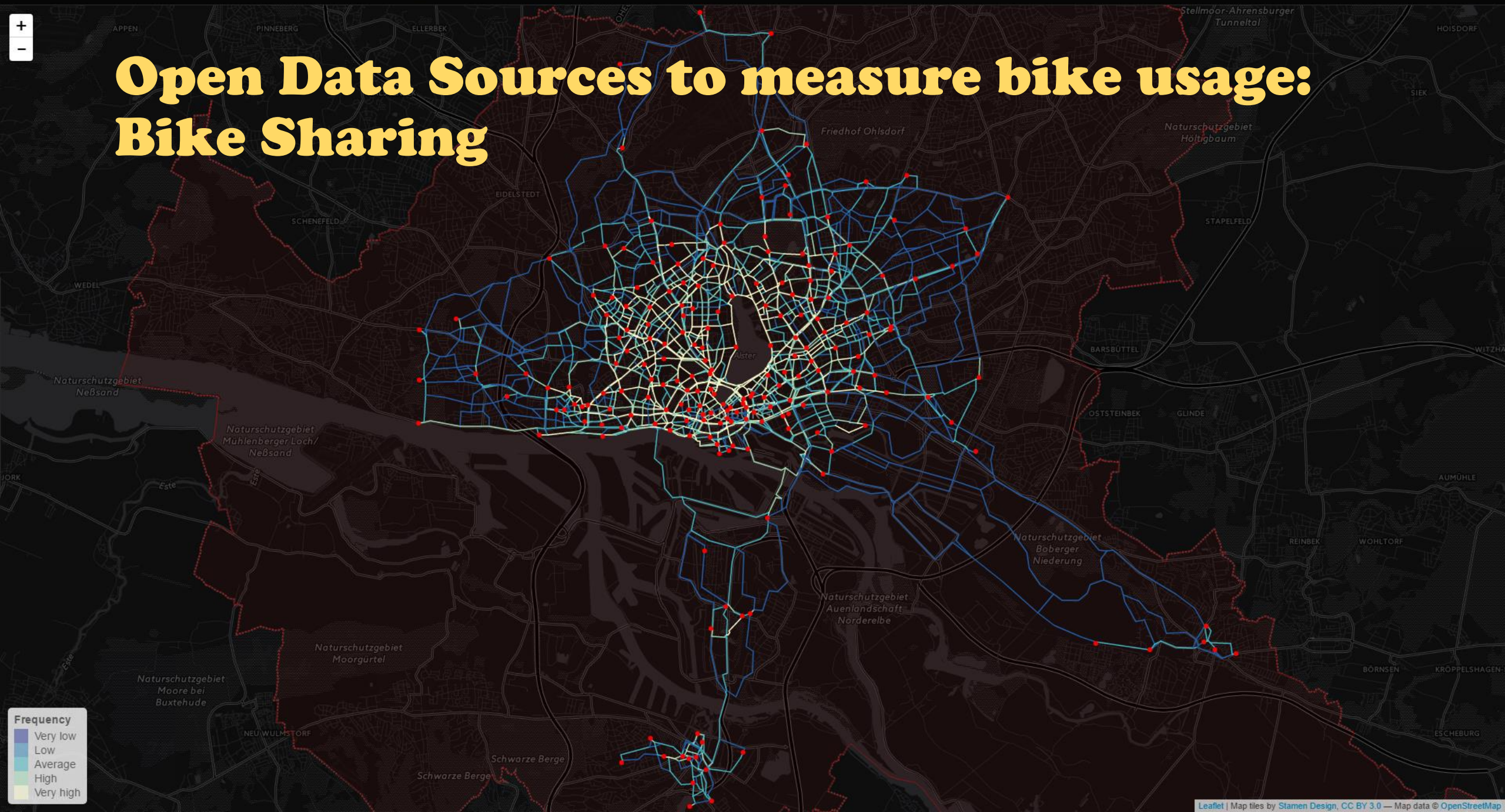




**Why not use Open Data to  
measure bike usage?**



# Open Data Sources to measure bike usage: Bike Sharing





# **Open Data Sources to measure bike usage: Strava Metro**







# Questions?



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