



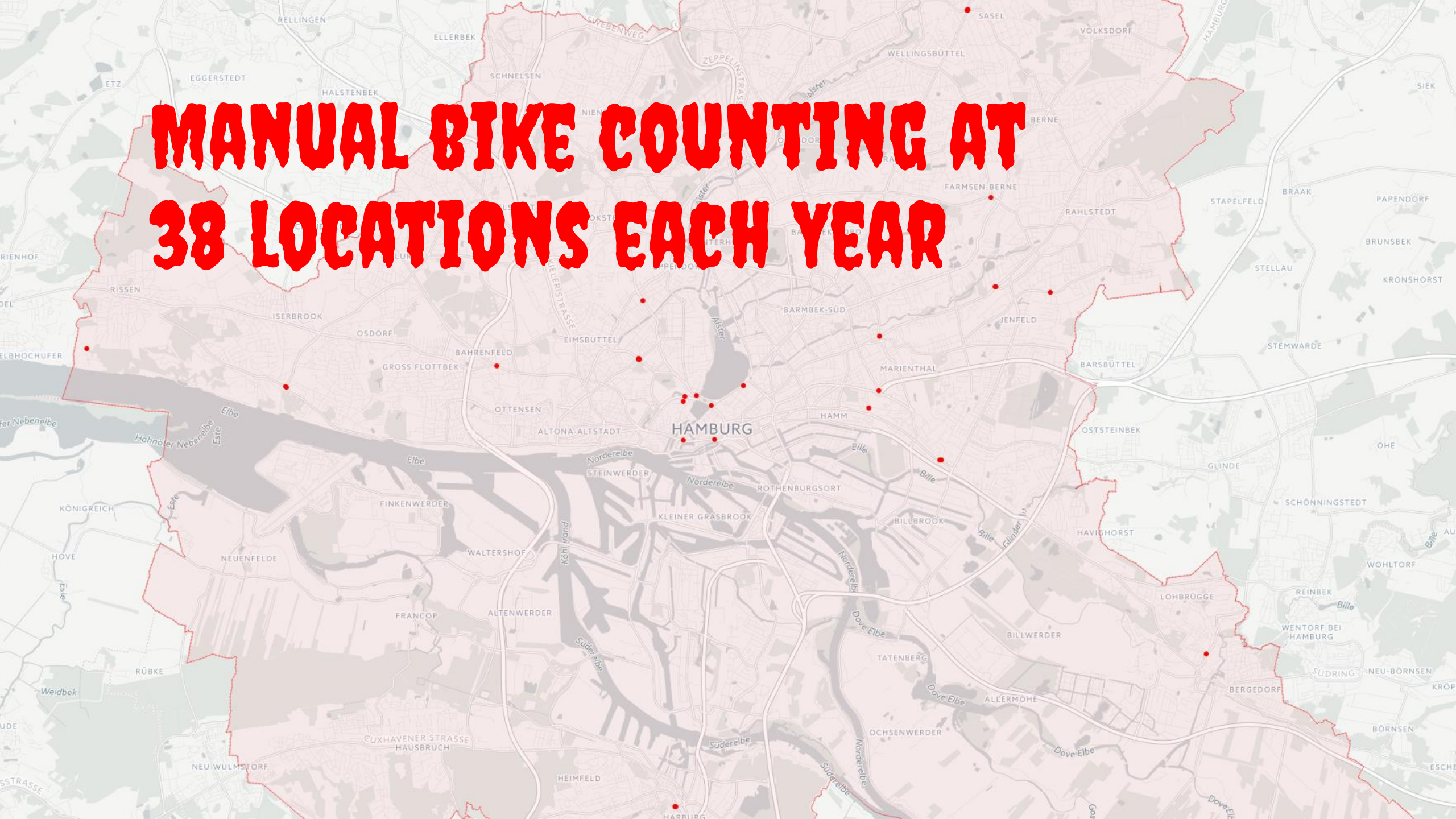
ANALYSING AND VISUALISING BIKE SHARING USAGE IN HAMBURG

OPEN BIKE DATA & MAPPING WITH OPENSTREETMAP
JULY 2017 – ALEXANDER KRUSE

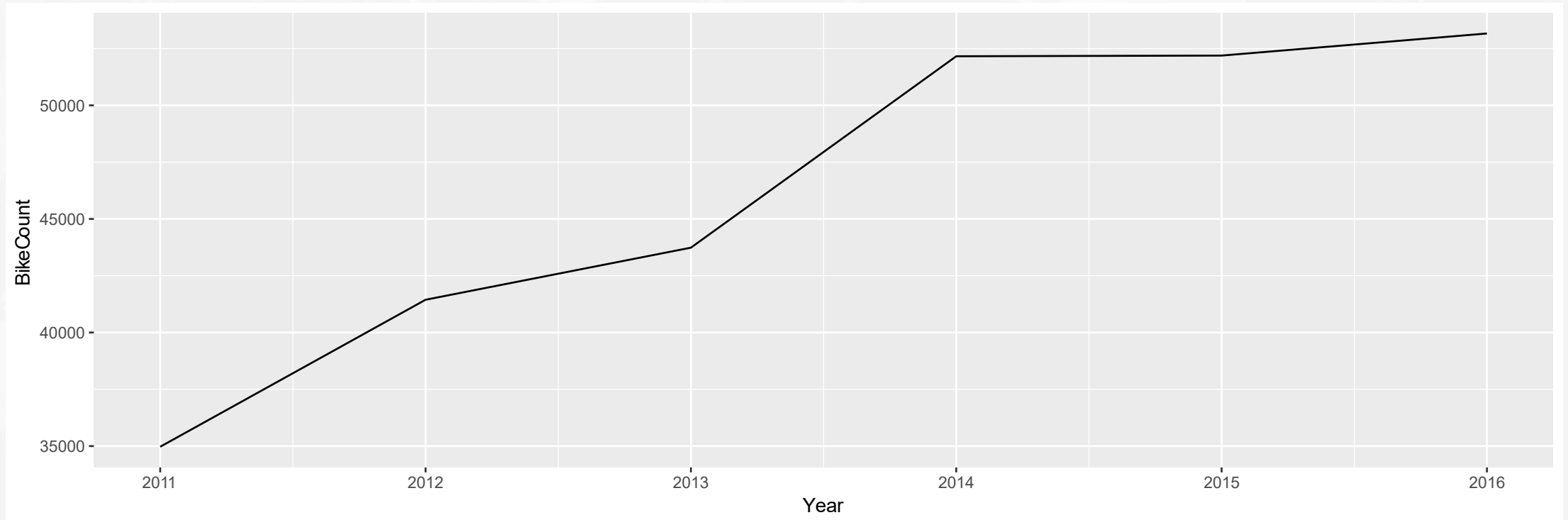
HOW DOES HAMBURG MEASURE BIKE USAGE?

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

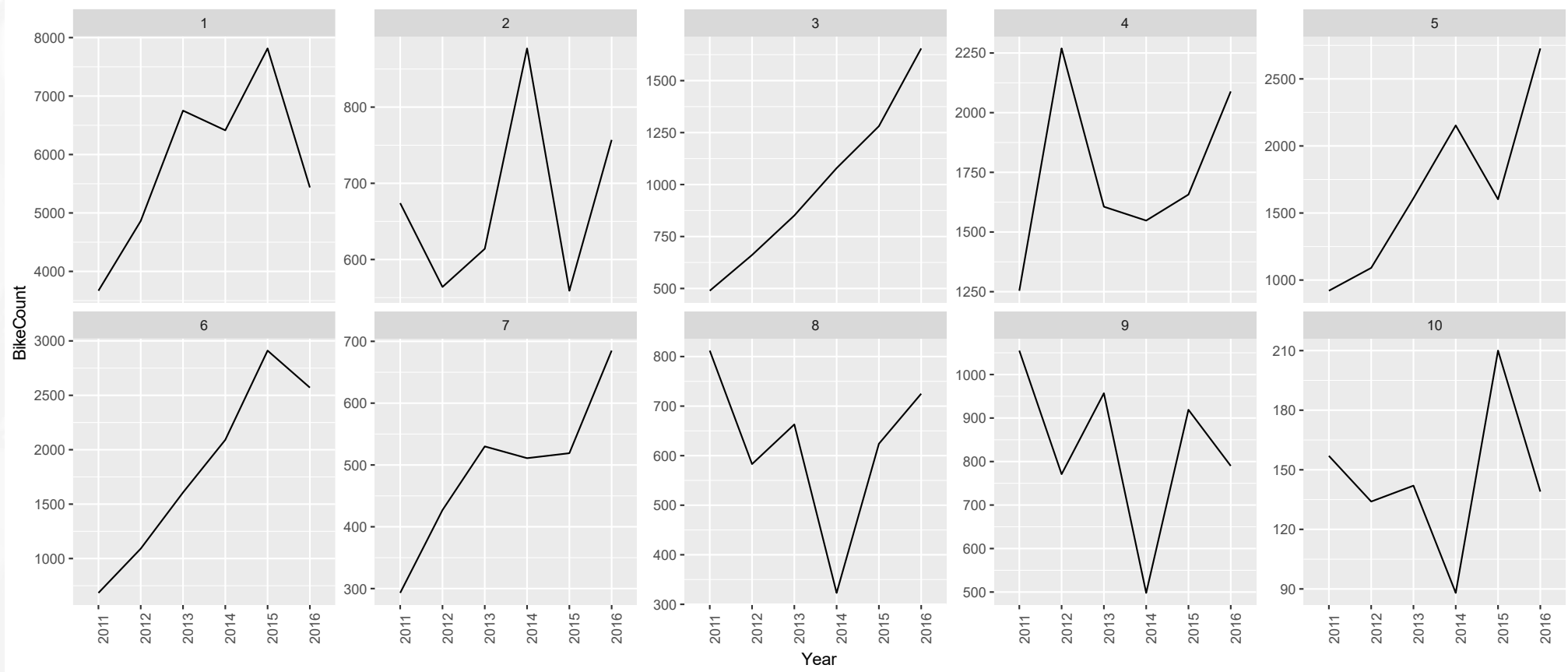
MANUAL BIKE COUNTING AT 38 LOCATIONS EACH YEAR



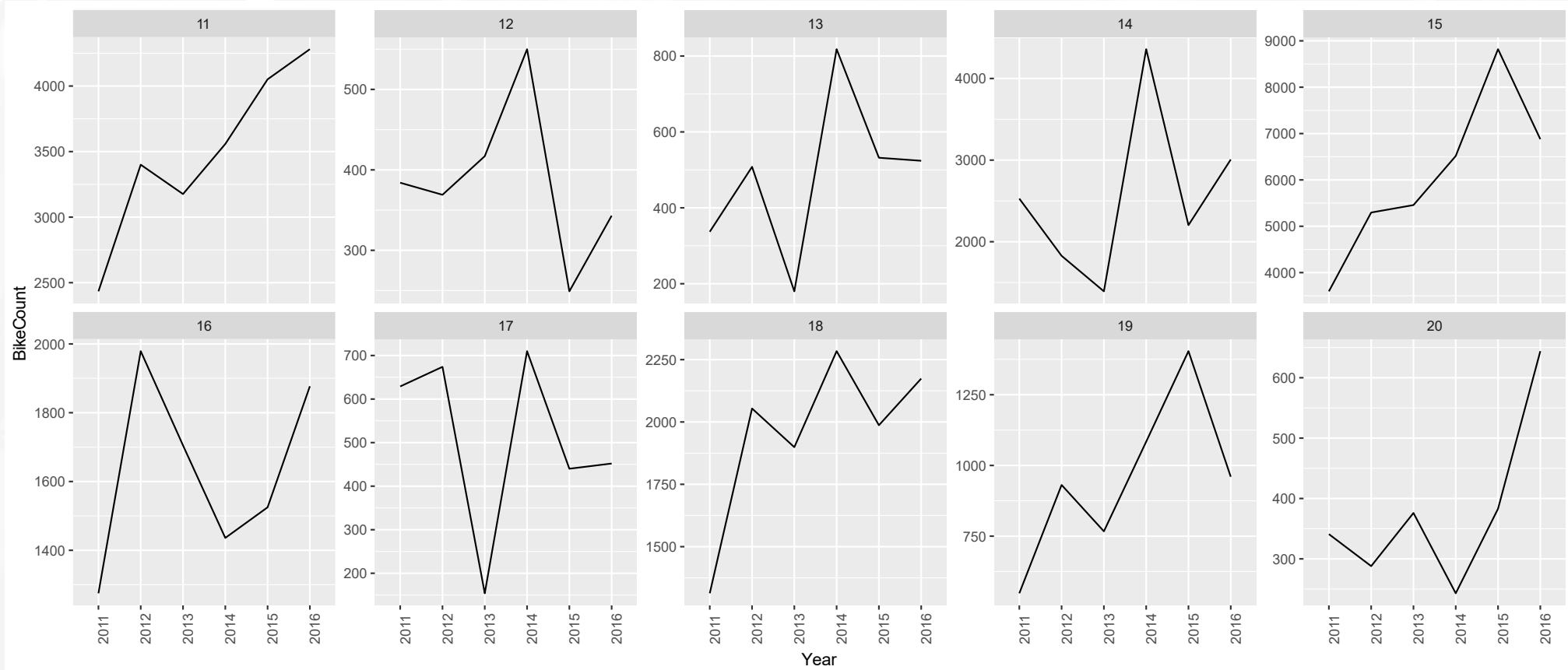
AGGREGATED DATA OF THE 38 MEASURING LOCATIONS



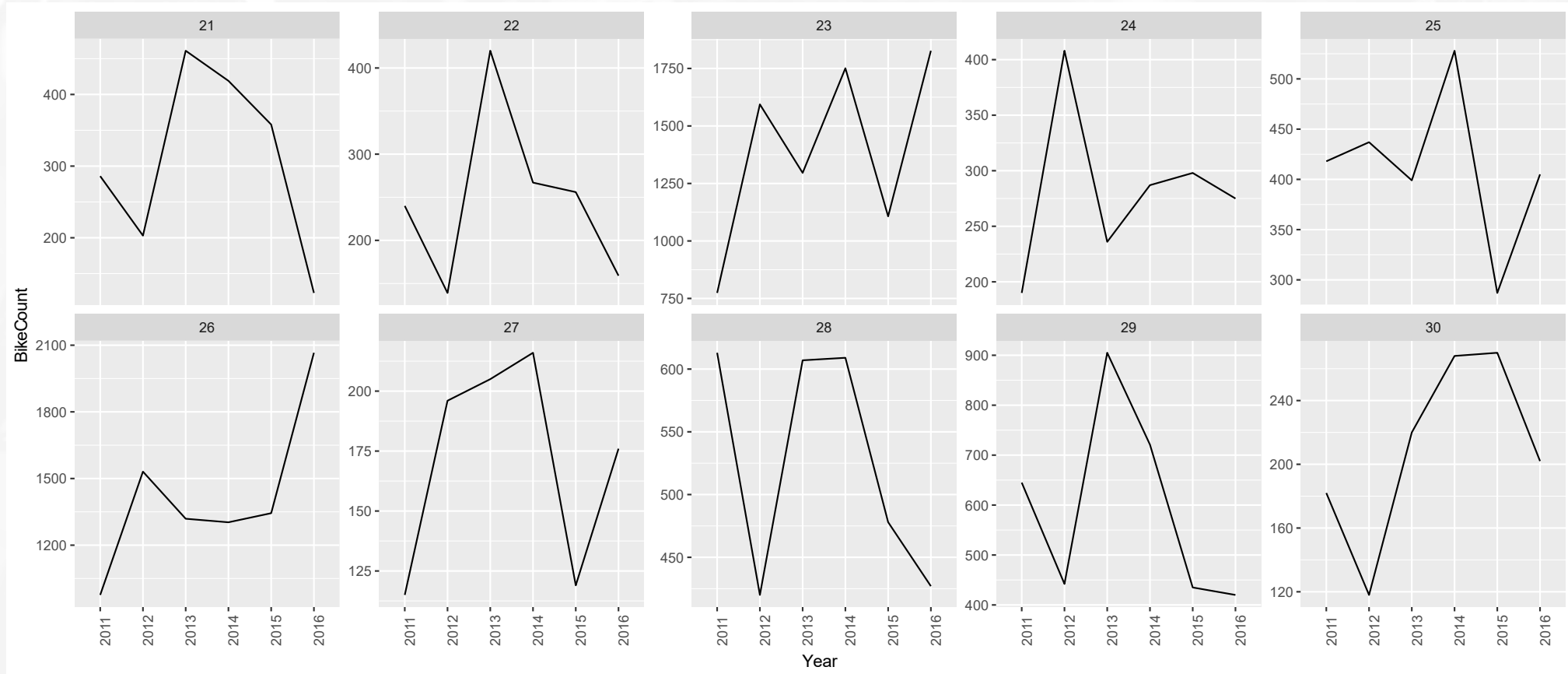
DATA OF THE 38 MEASURING LOCATIONS



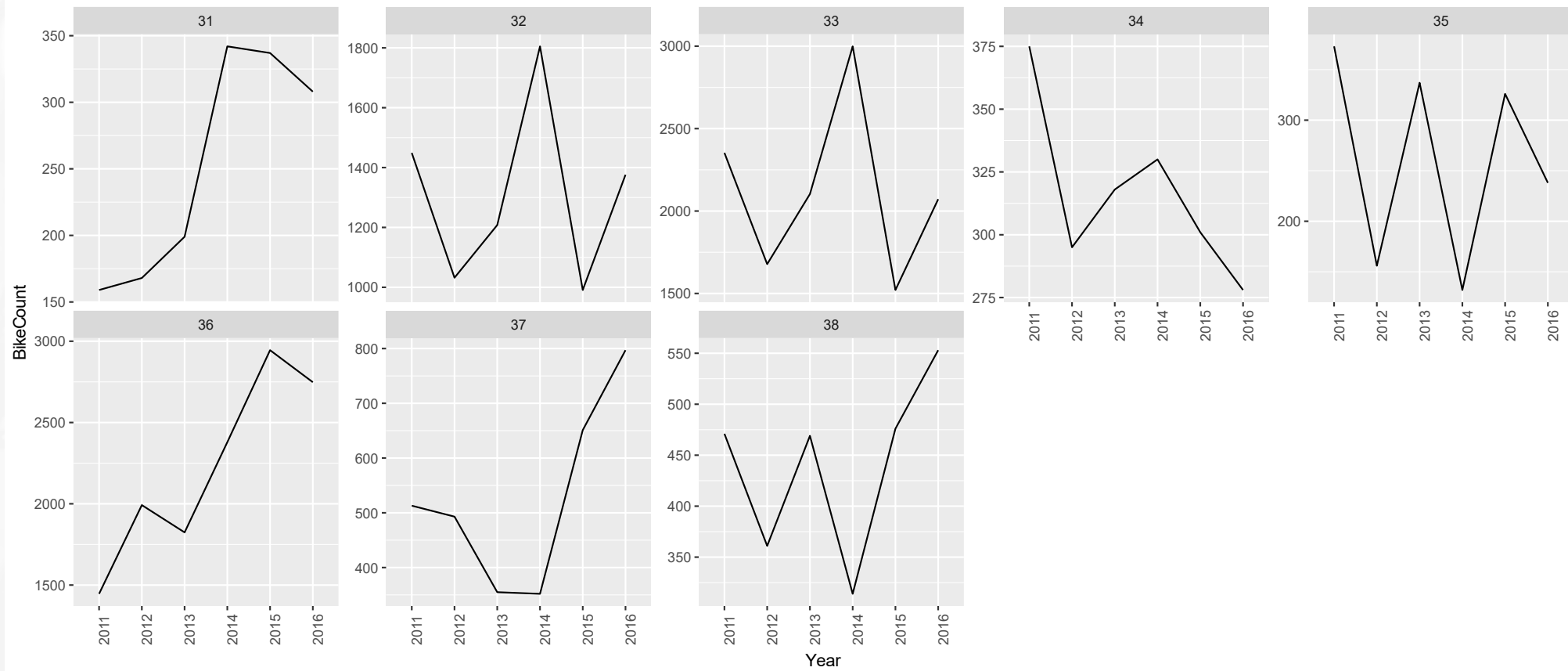
DATA OF THE 38 MEASURING LOCATIONS



DATA OF THE 38 MEASURING LOCATIONS



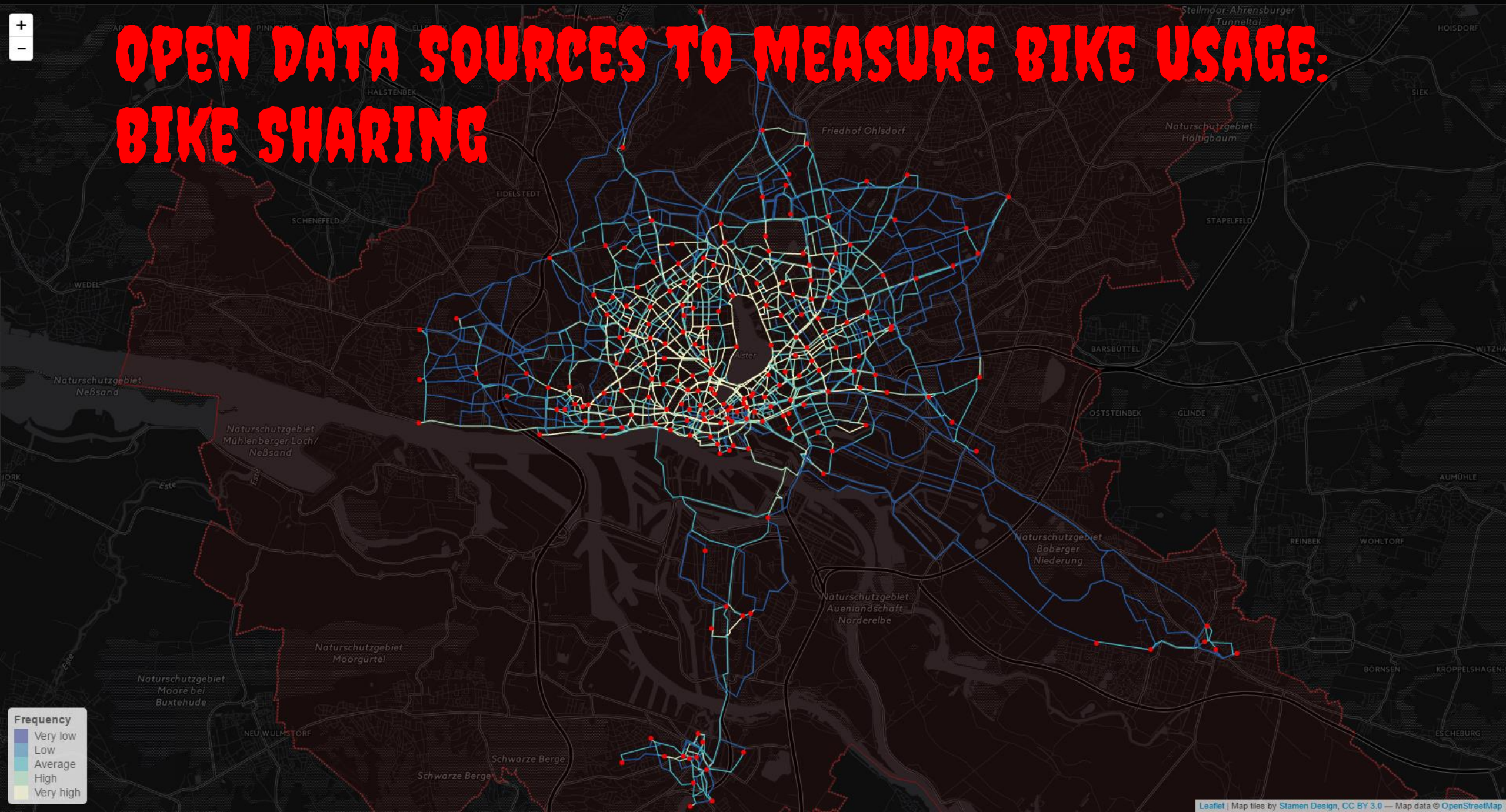
DATA OF THE 38 MEASURING LOCATIONS





**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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