

Effects of Weather on Bicycle Traffic

ADVANCED METHODS OF SOFTWARE ENGINEERING | SOFTWARE-
ANWENDUNGEN MIT KI

Fabian Tritthart, 26th of June 2023

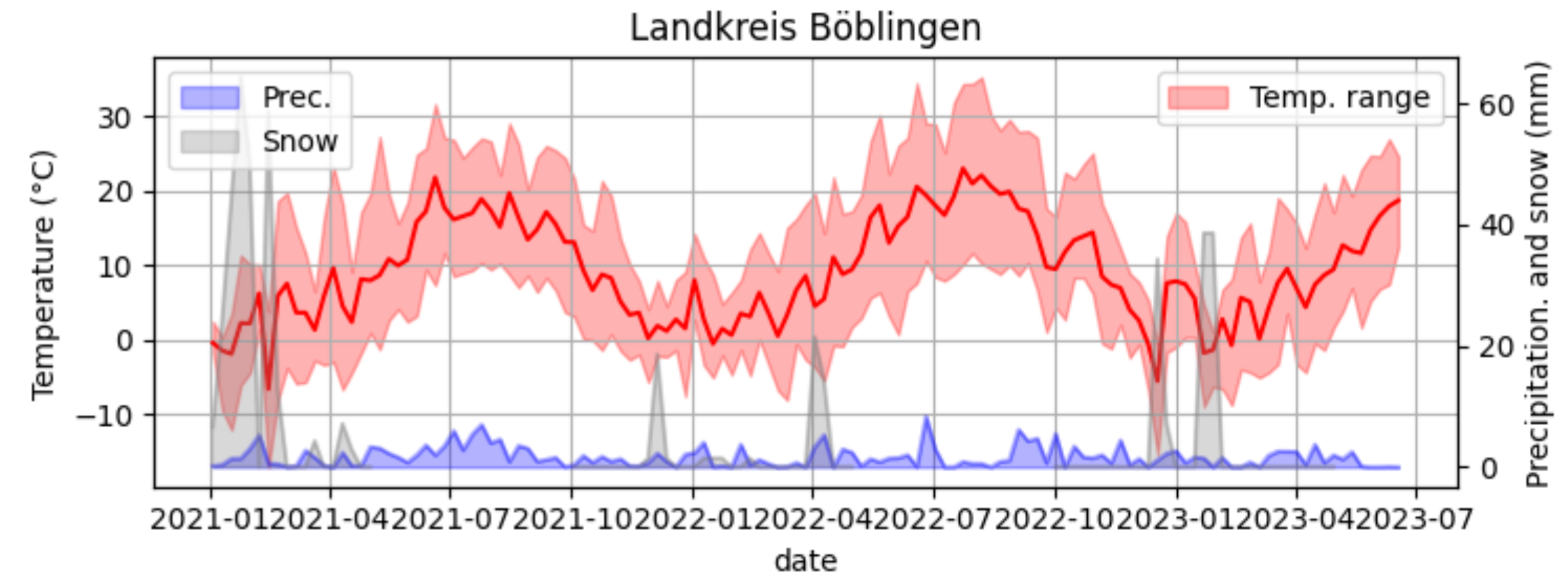
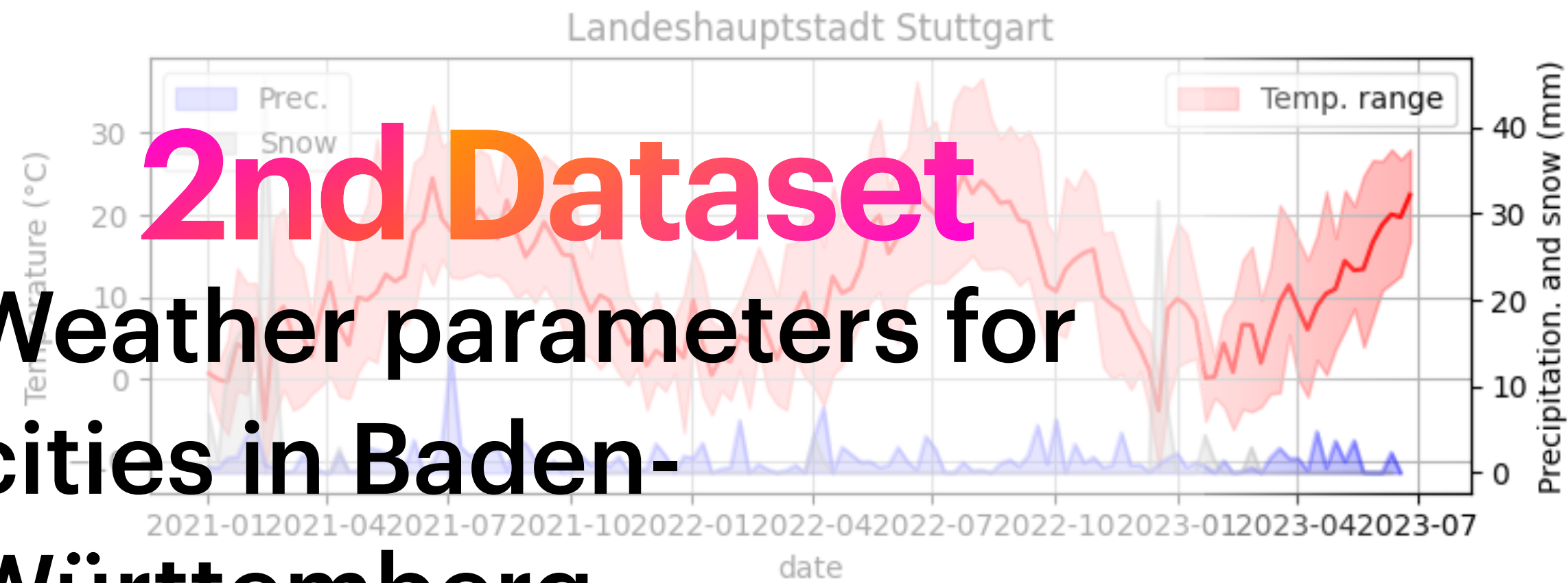
1st Dataset

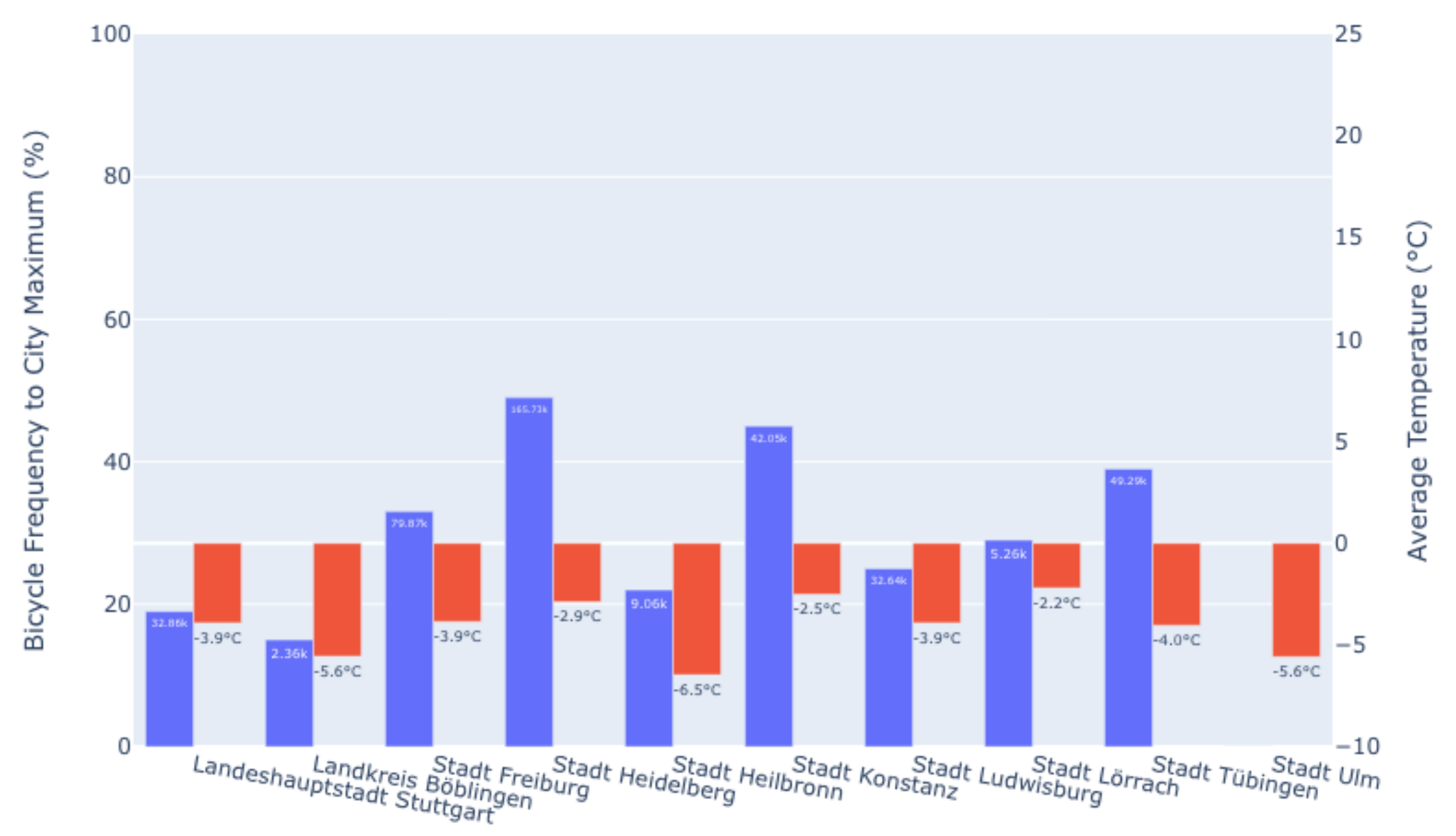
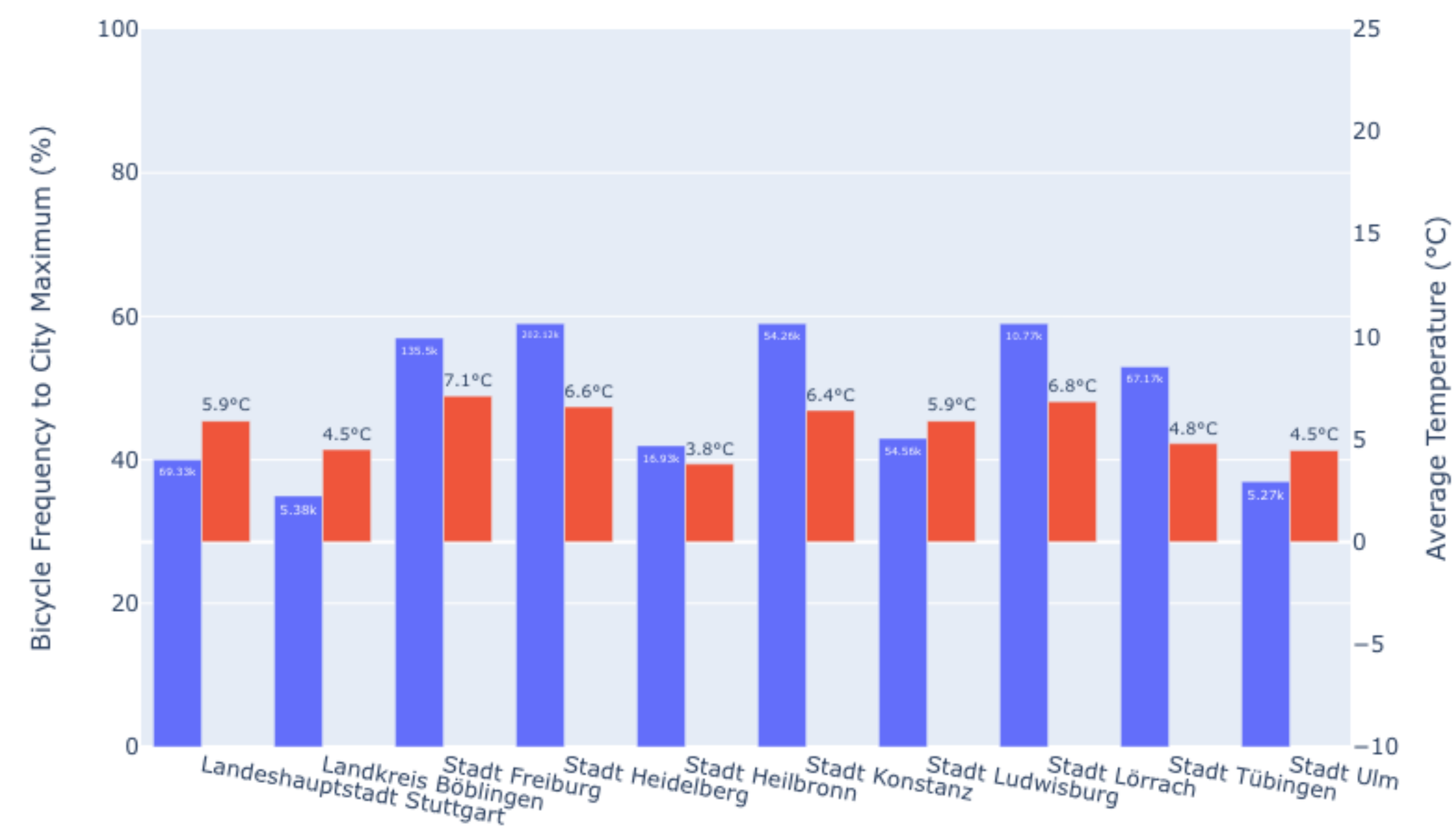
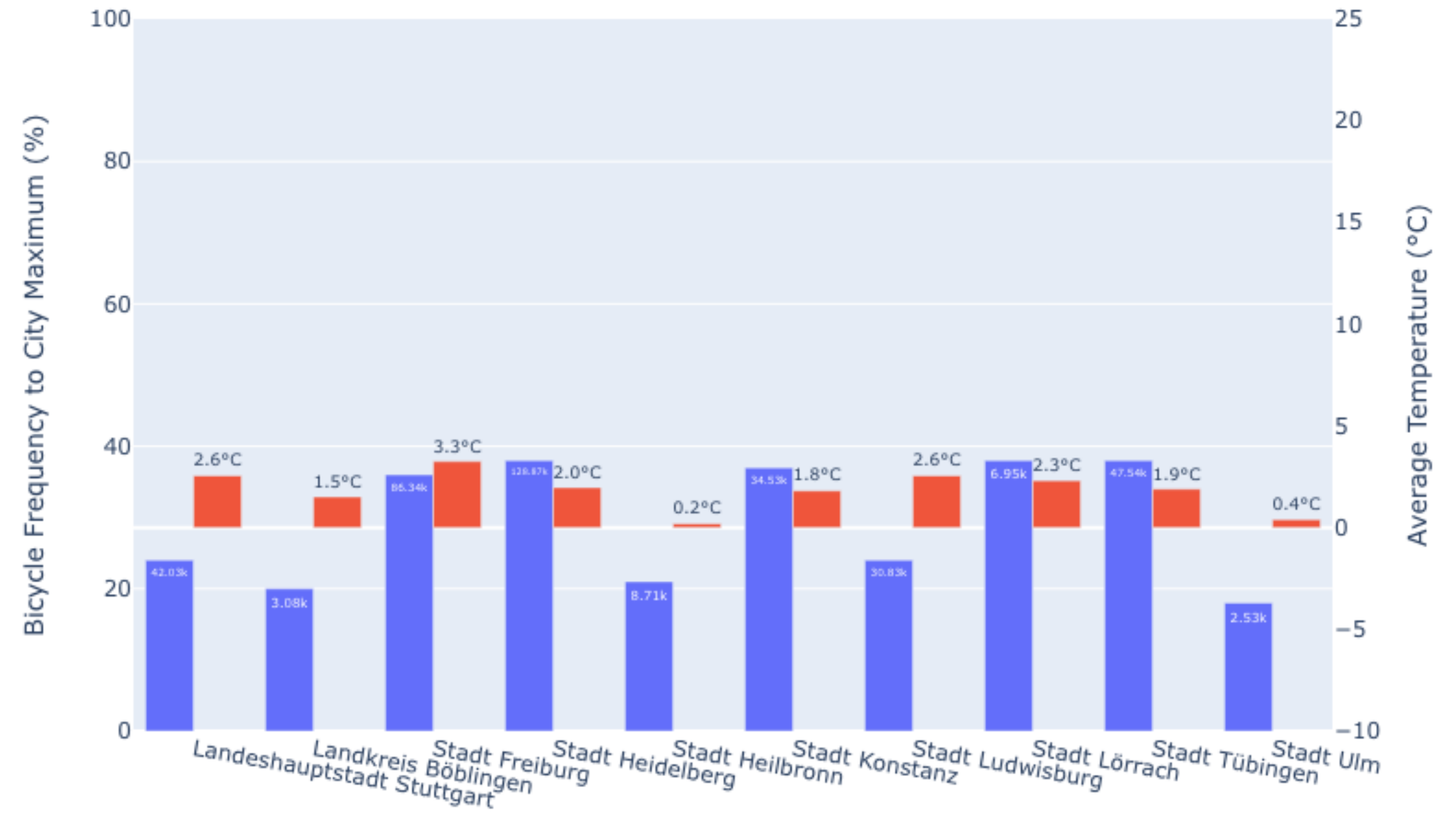
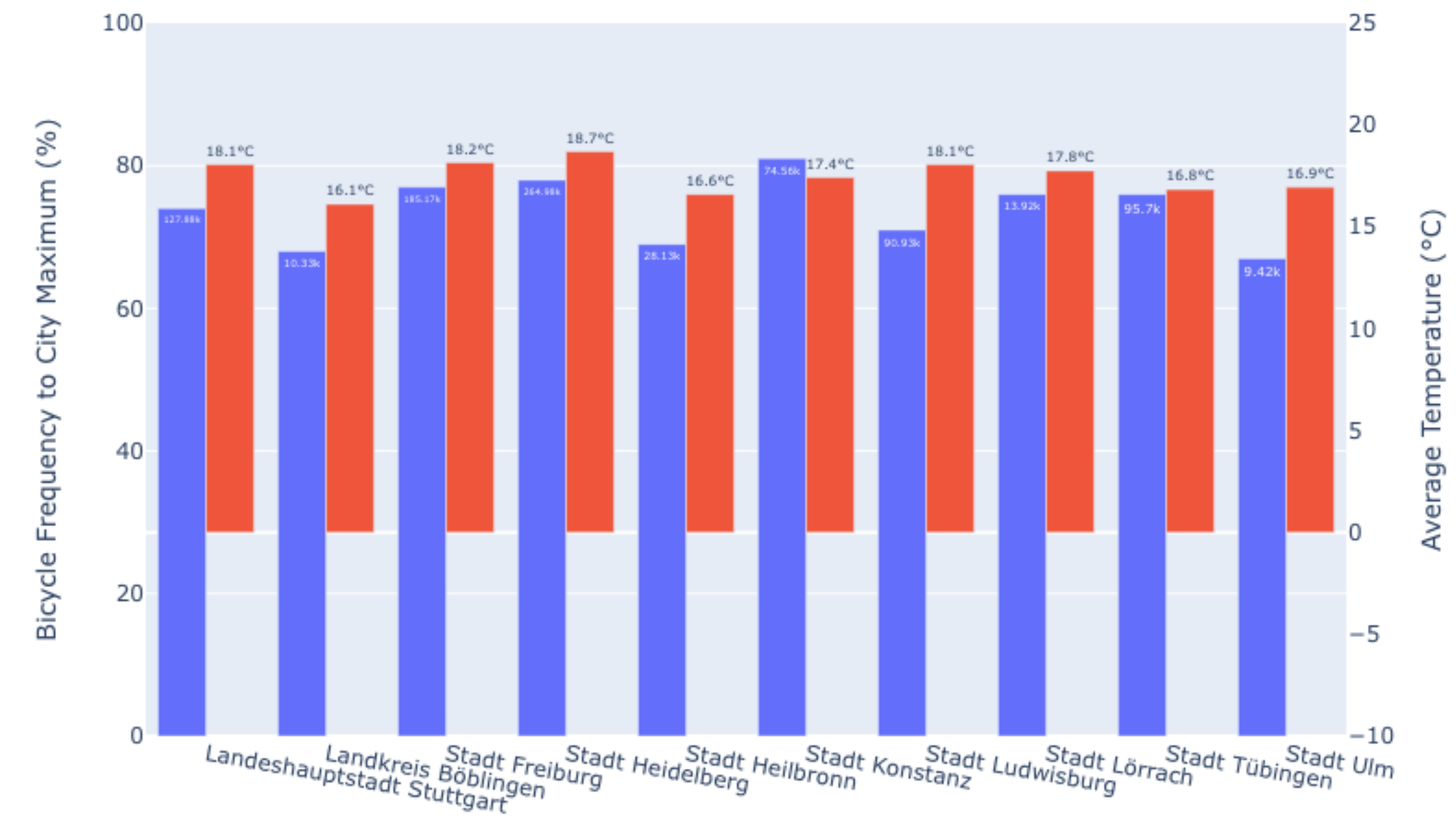
- Bicycle frequencies across Baden-Württemberg
- (Mobilithek)



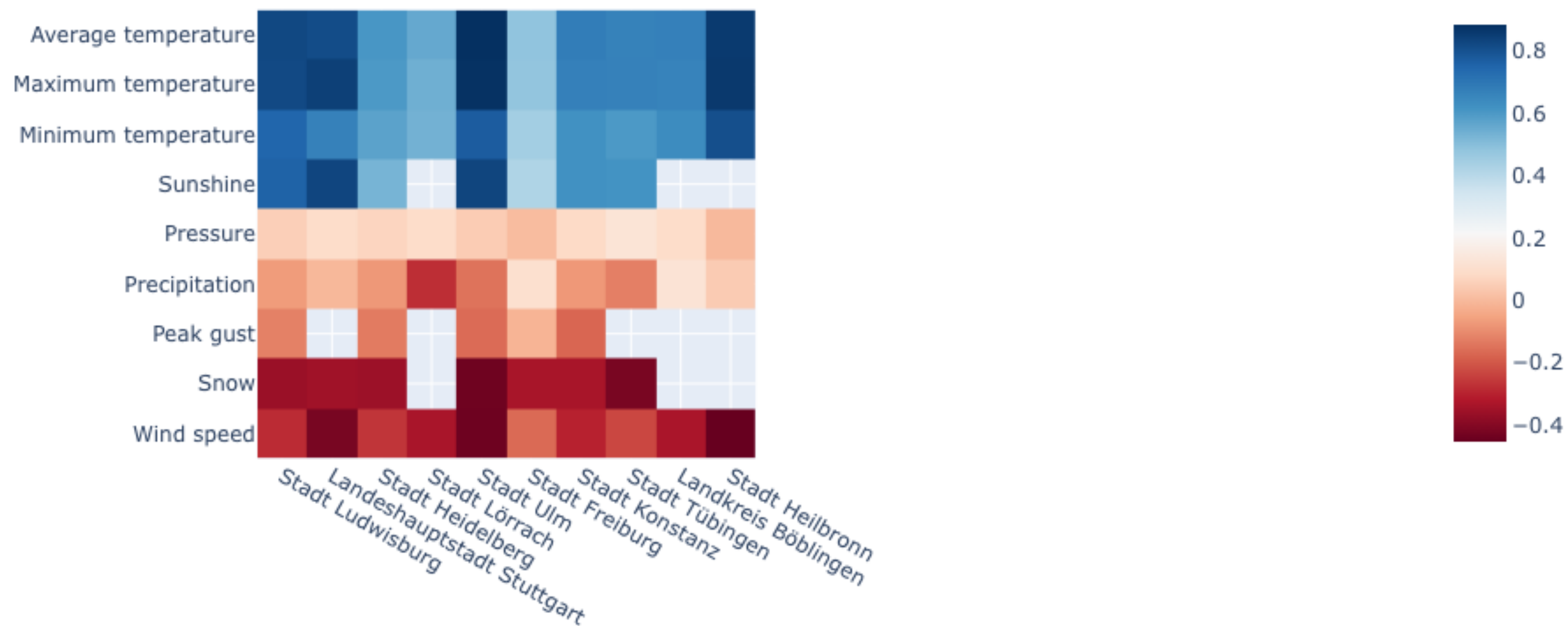
2nd Dataset

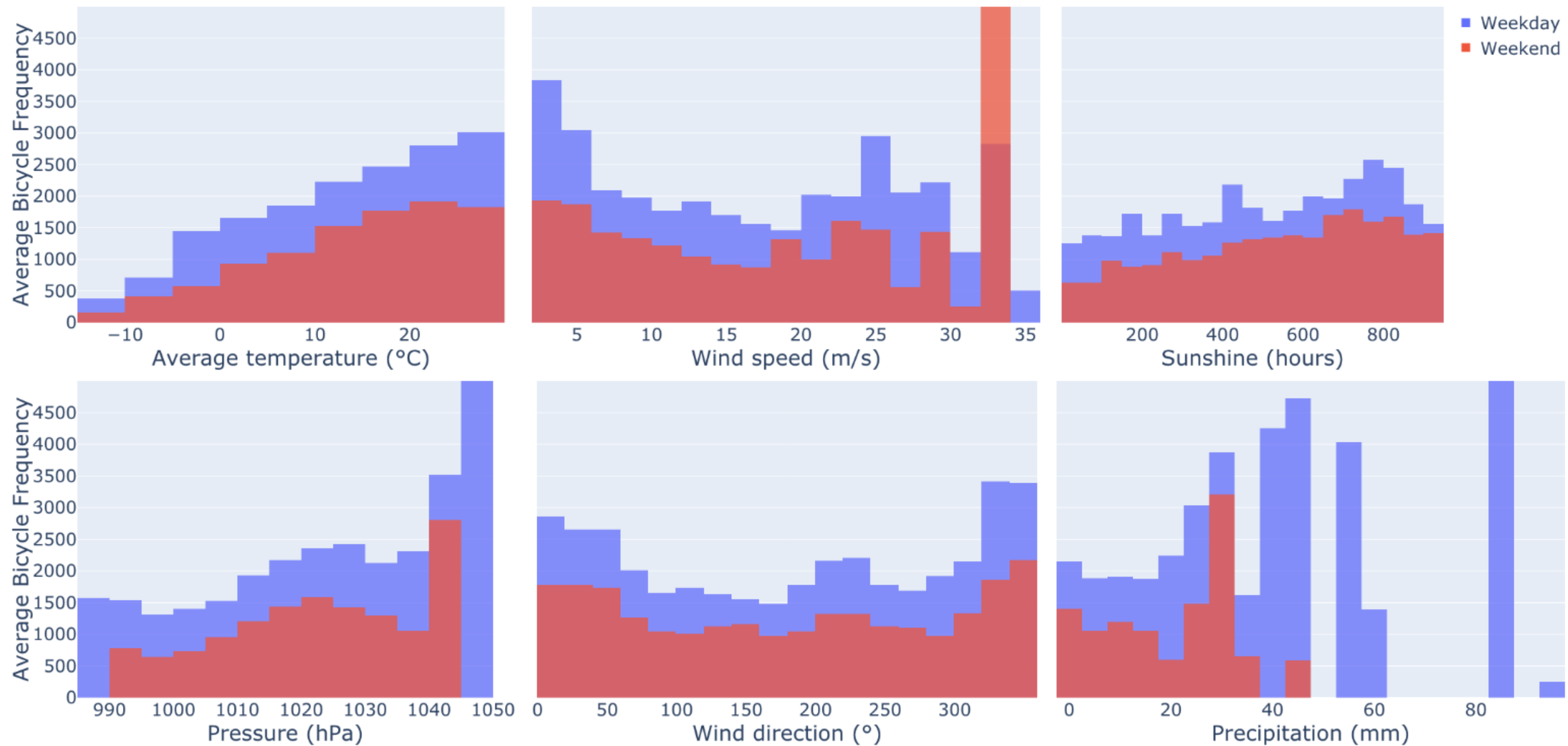
- Weather parameters for cities in Baden-Württemberg
- (Meteostat)



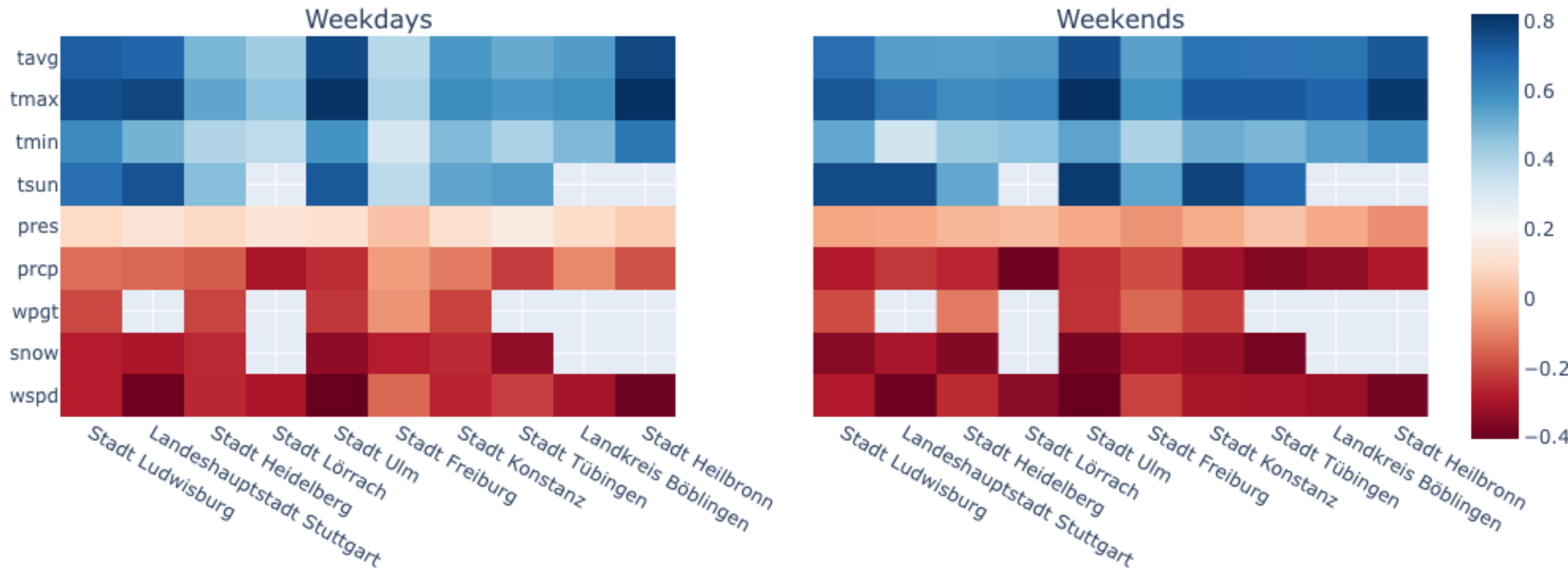


Correlation Between Weather Effects and Bicycle Frequency in Cities (Weighted Average)

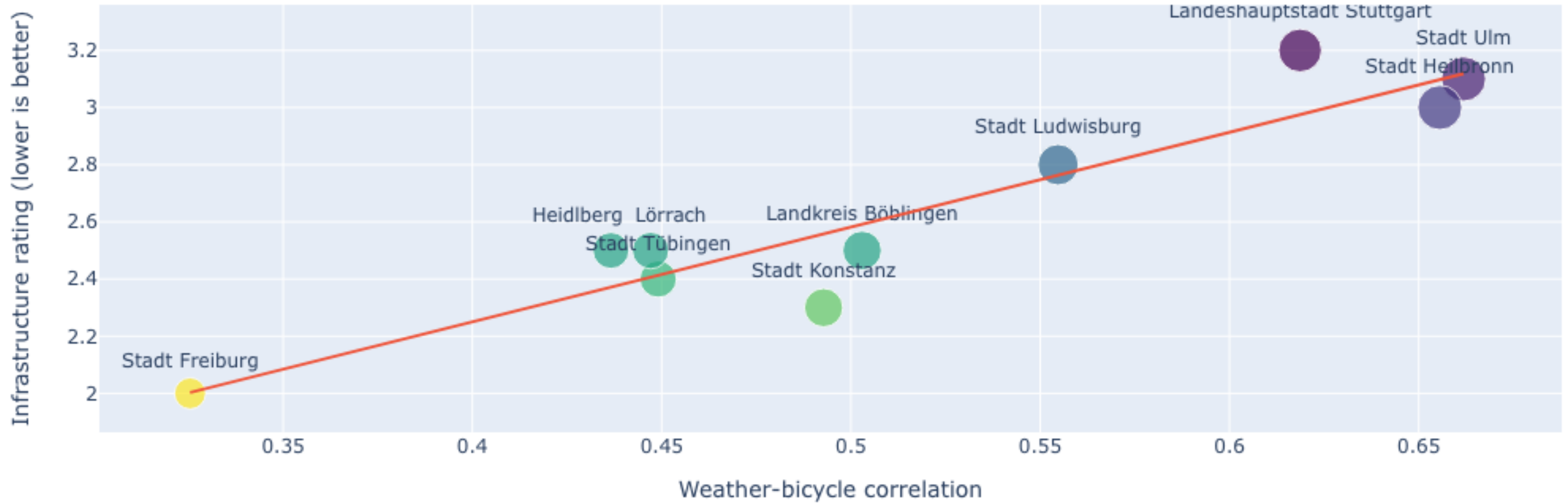




Correlation Between Weather Effects and Daily Bicycle Frequency in Cities (Weighted Average)



corr = 0.94



Thanks!