



WHEN'S THE GOOD TIME TO RIDE A BIKE?

All started with a
discussion...



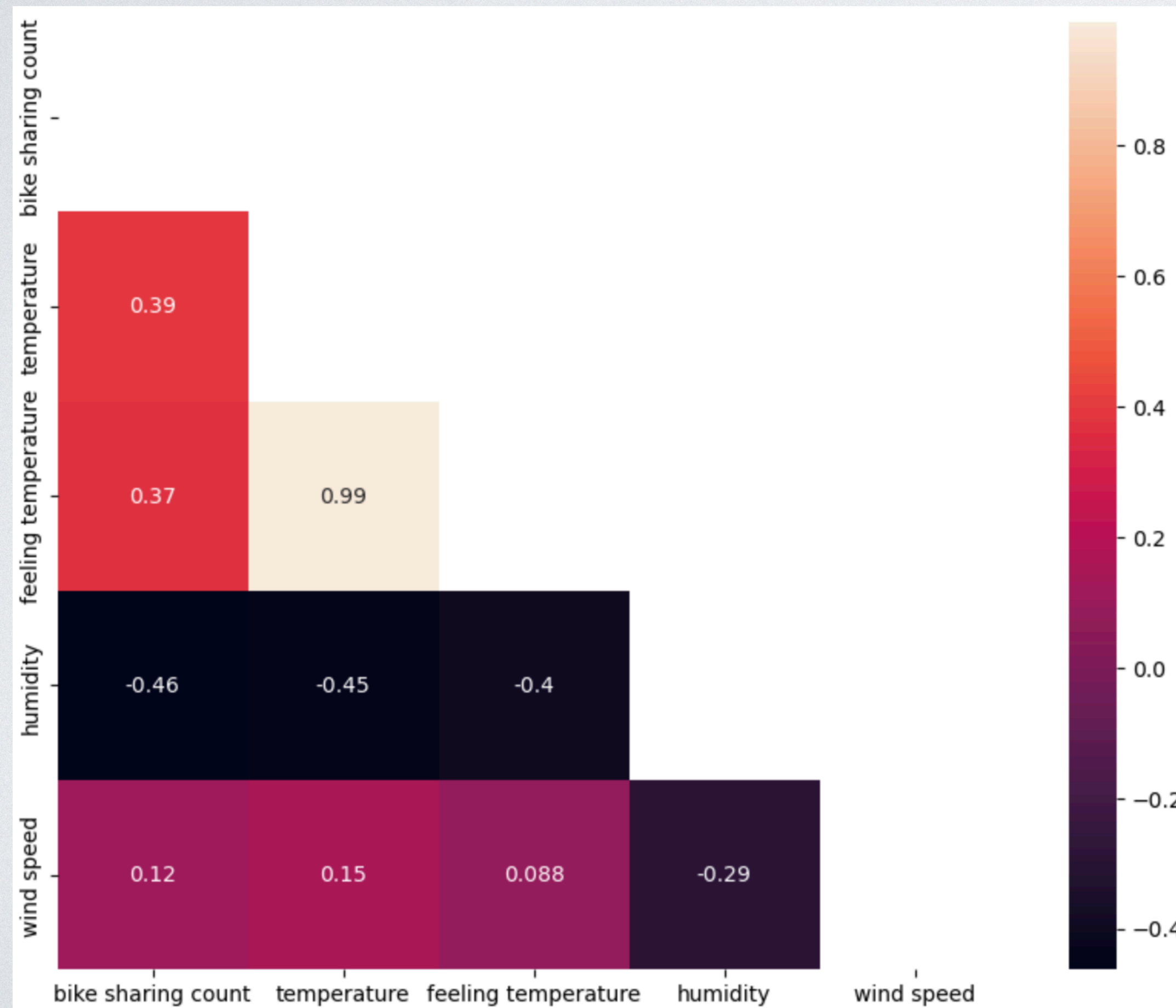
Dataset

- Bike sharing data from London, spanning 2015-2016
- Target variable: the count of bike shares
- Features that may affect rental: temperature in celsius, feeling temperature in celsius, humidity in percentage, wind speed in km/h, weather, season, holiday, and weekend

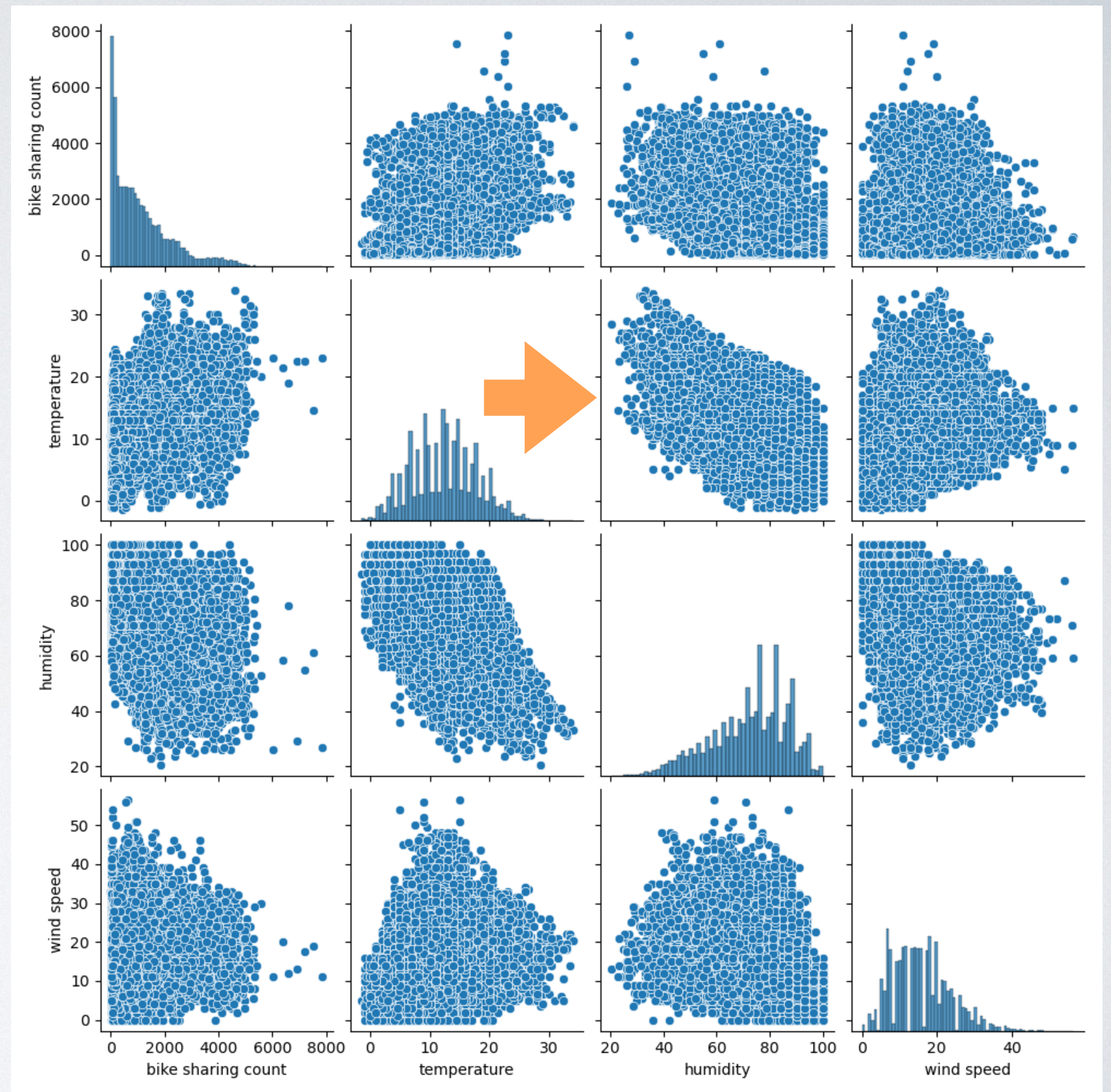
- Bike riders prefer relatively low temperature (around 12.5 C)
- high humidity
- low wind speed
- clear or slightly cloudy weather
- non holiday
- workday
- summer/fall
- positively skewed, large std

	count	mean	std	min	25%	50%	75%	max
bike sharing count	17414.0	1143.101642	1085.108068	0.0	257.0	844.0	1671.75	7860.0
temperature	17414.0	12.468091	5.571818	-1.5	8.0	12.5	16.00	34.0
feeling temperature	17414.0	11.520836	6.615145	-6.0	6.0	12.5	16.00	34.0
humidity	17414.0	72.324954	14.313186	20.5	63.0	74.5	83.00	100.0
wind speed	17414.0	15.913063	7.894570	0.0	10.0	15.0	20.50	56.5
weather	17414.0	2.722752	2.341163	1.0	1.0	2.0	3.00	26.0
holiday	17414.0	0.022051	0.146854	0.0	0.0	0.0	0.00	1.0
weekend	17414.0	0.285403	0.451619	0.0	0.0	0.0	1.00	1.0
season	17414.0	1.492075	1.118911	0.0	0.0	1.0	2.00	3.0

Numeric variables

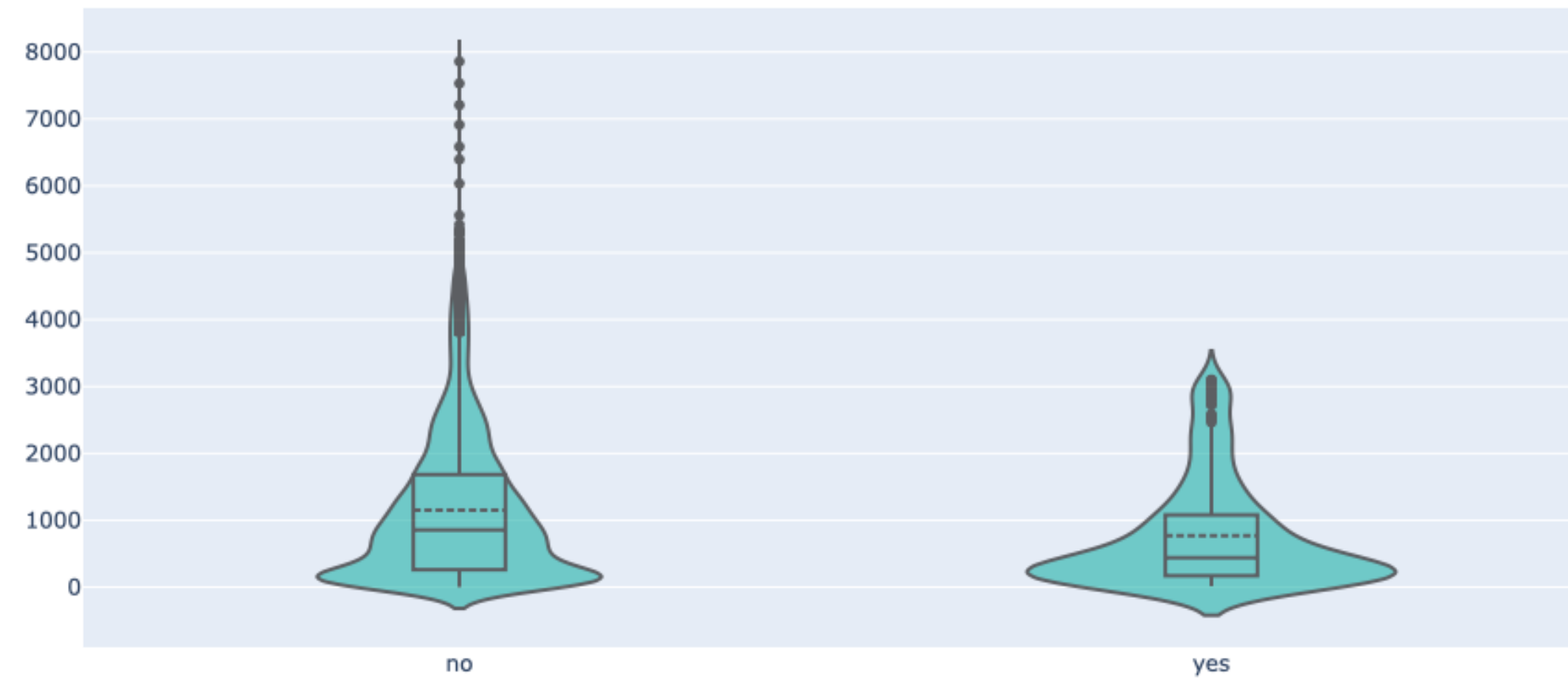


Heatmap of numeric variables

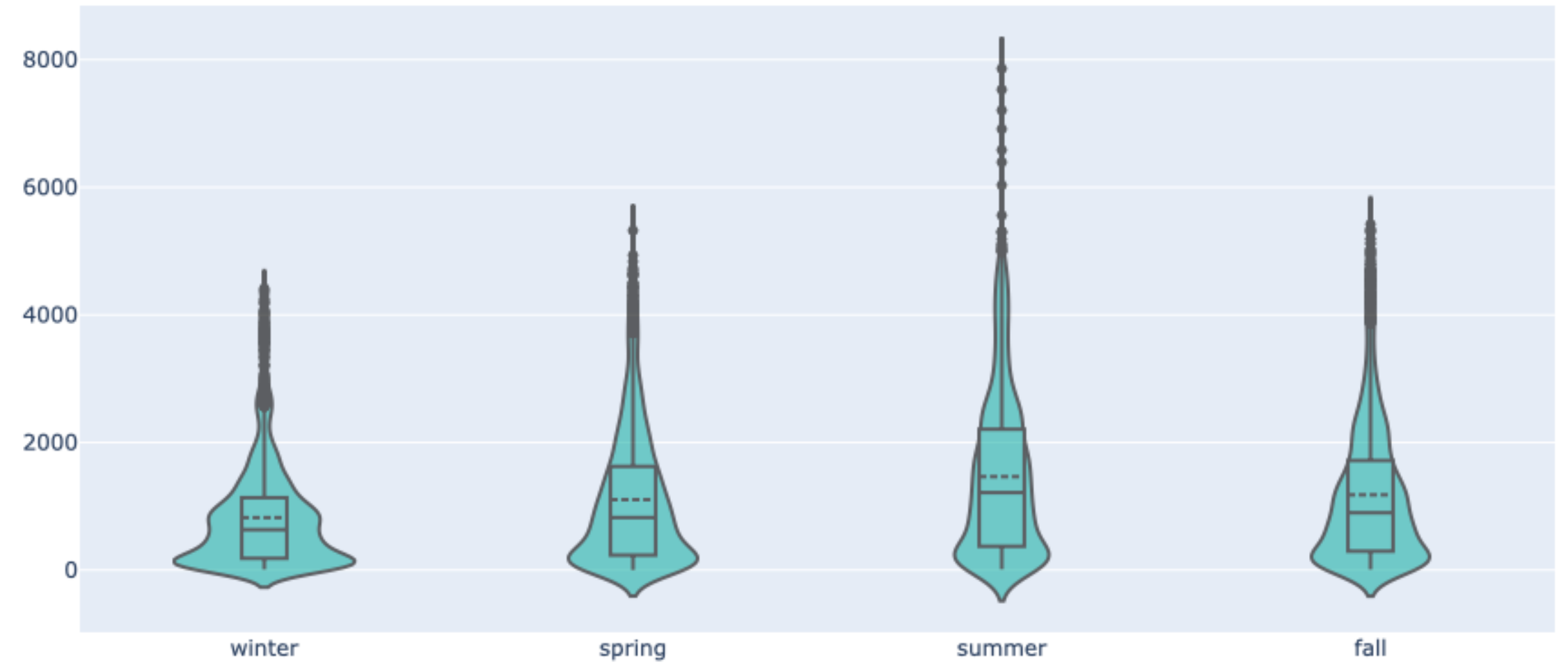


Correlations between numeric variables

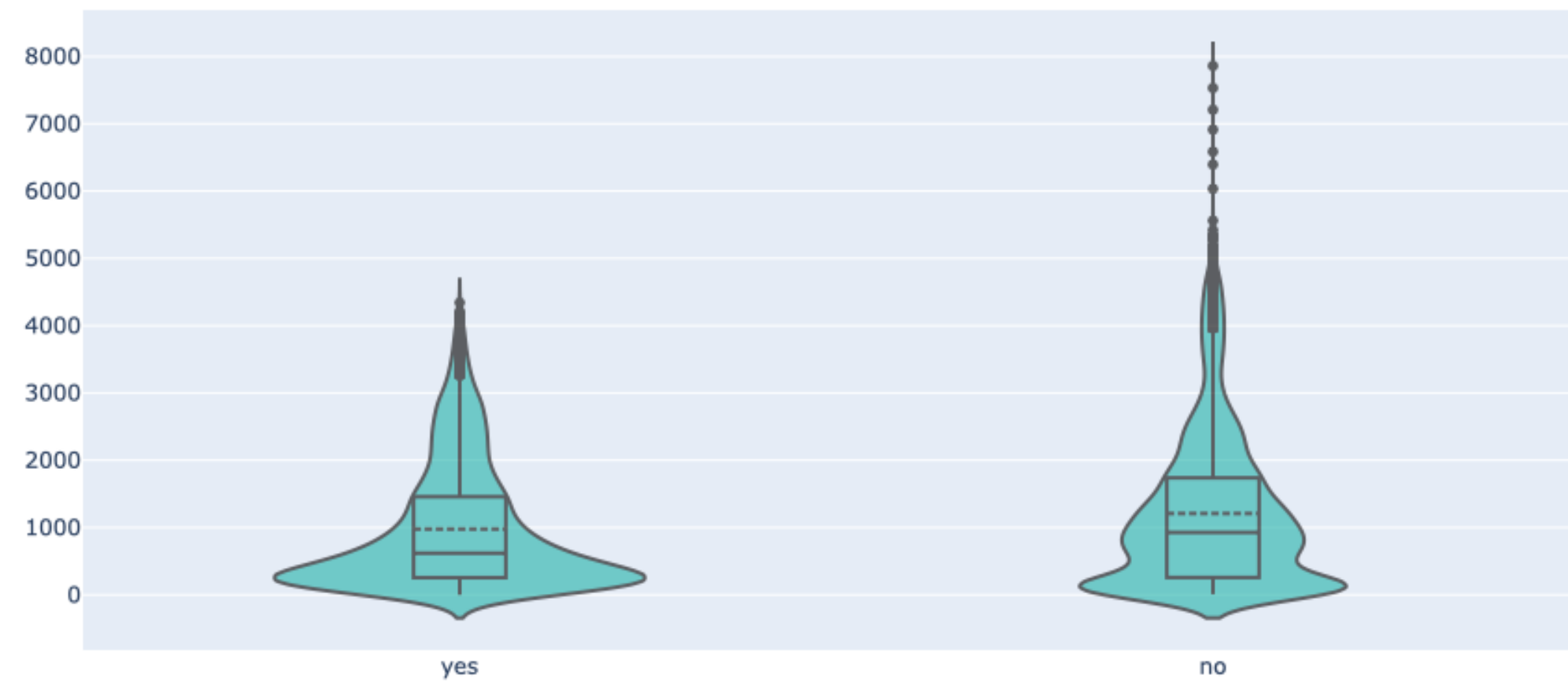
Holiday



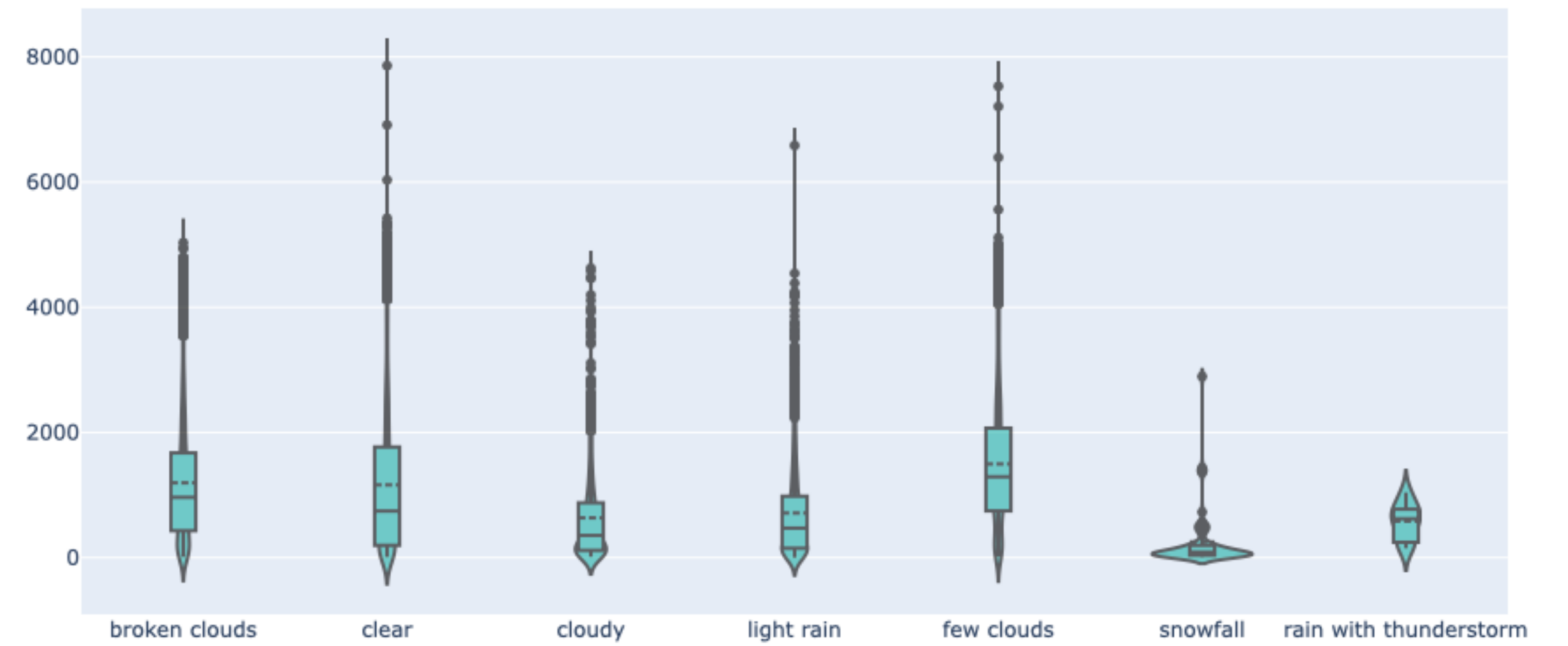
Season

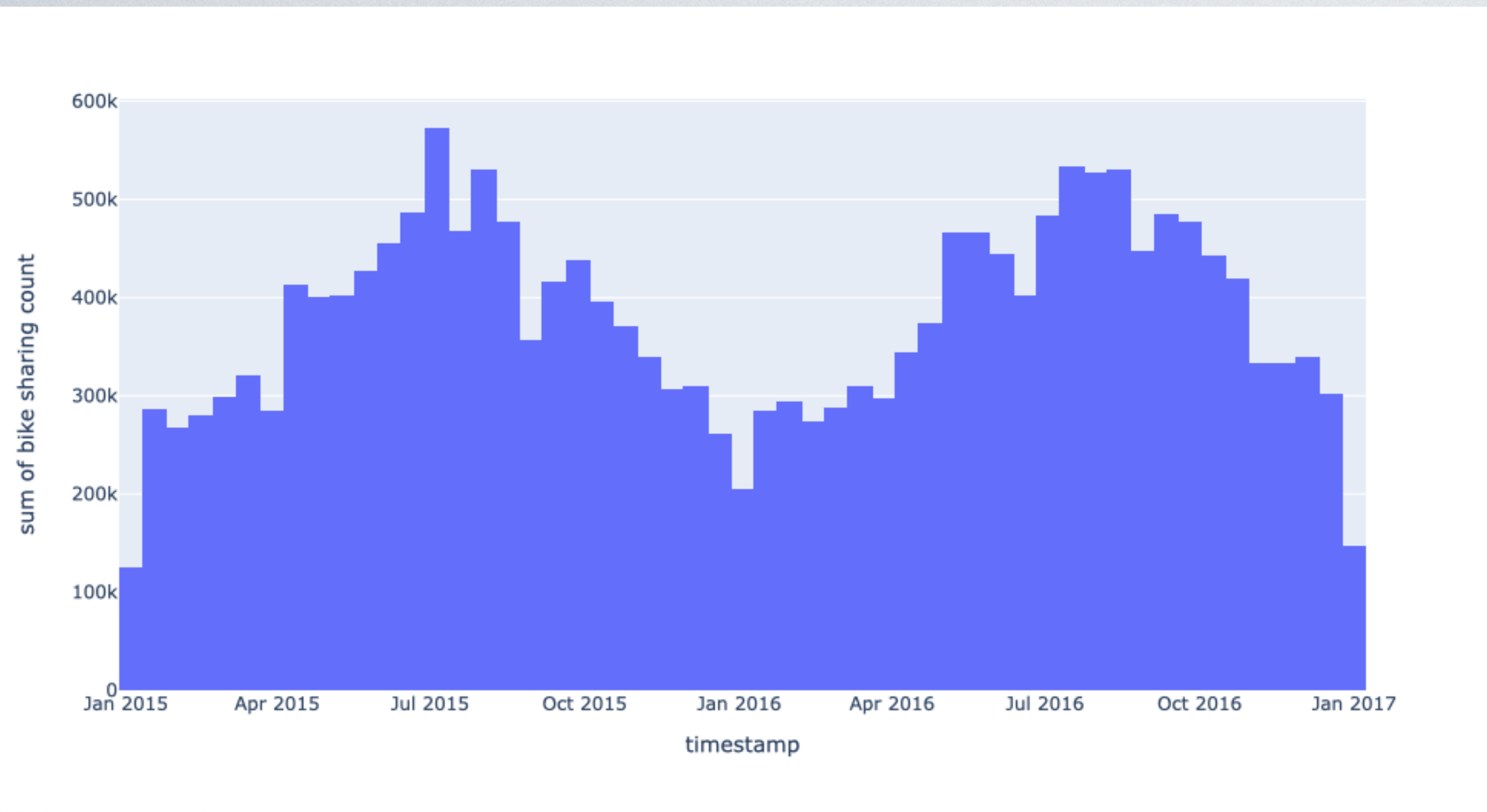


Weekend



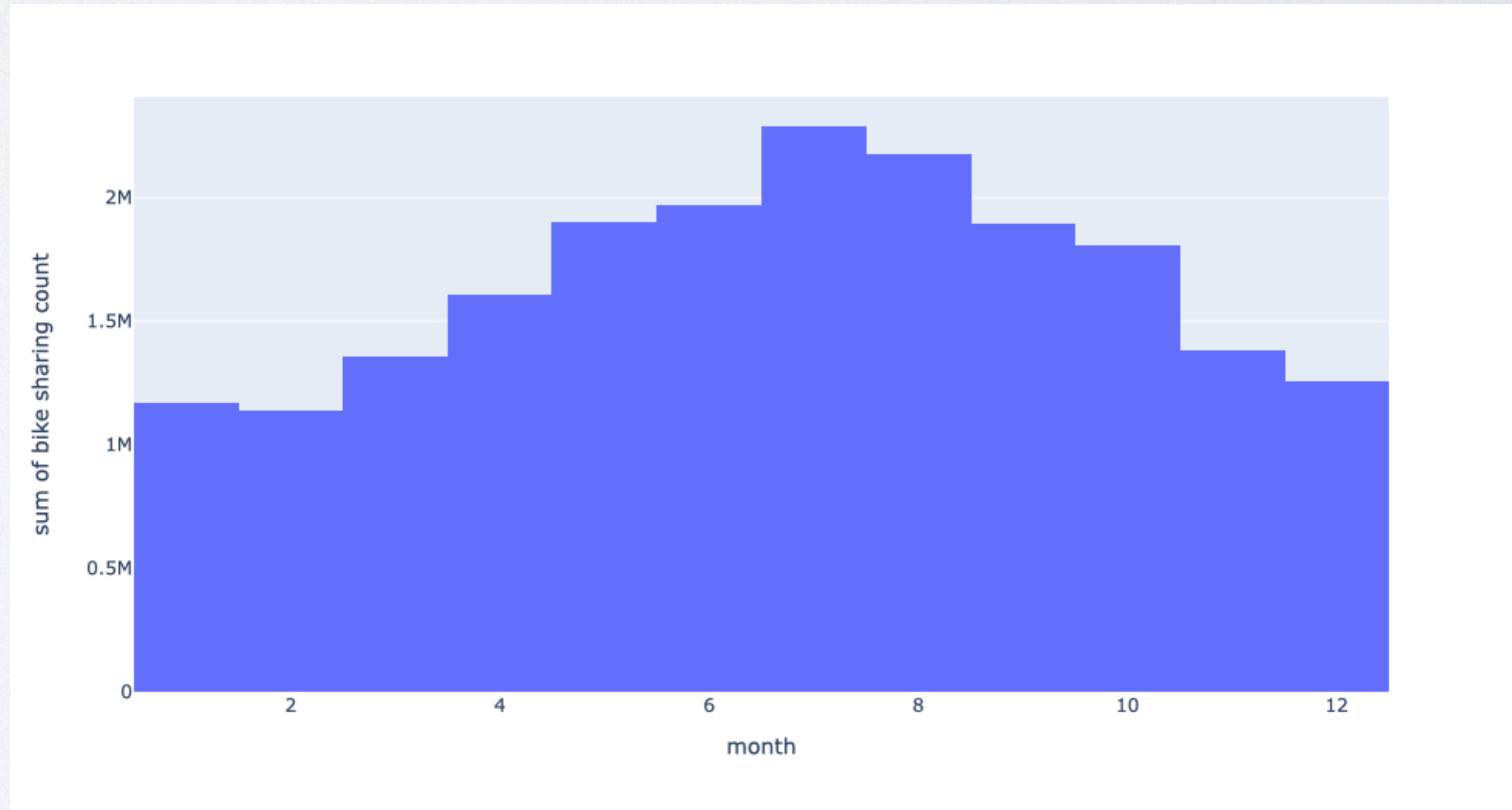
Weather





→ similar trend in 2015-2016

July sees the most rentals ←



COMPARABLE MONTH IN BERLIN?

July in London:

Temperature: average highs around 21-24°C and average lows around 13-15°C

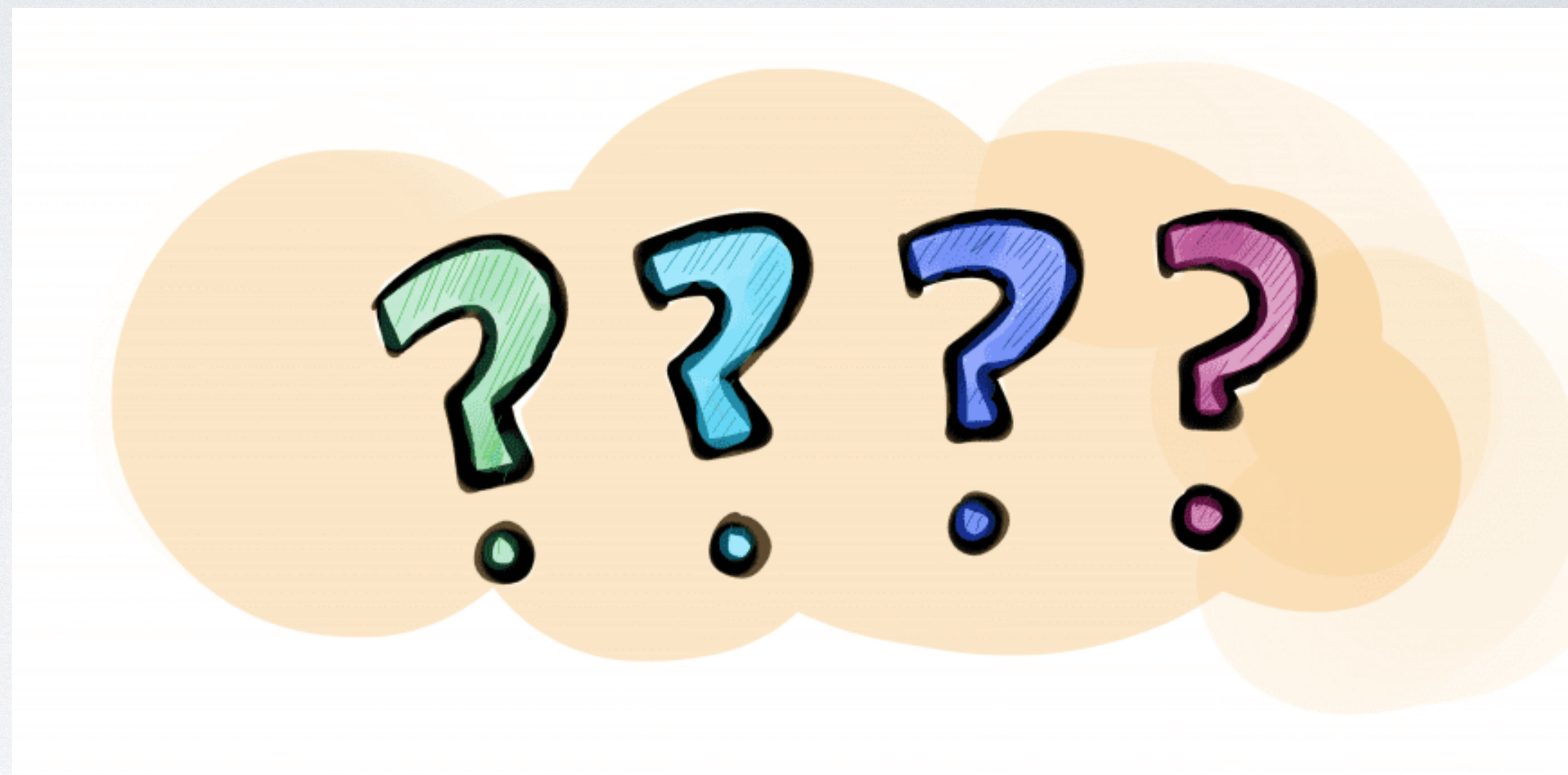
Humidity: moderate

Wind speeds: average around 10-15 km/h



June in Berlin

Any questions



THANK YOU