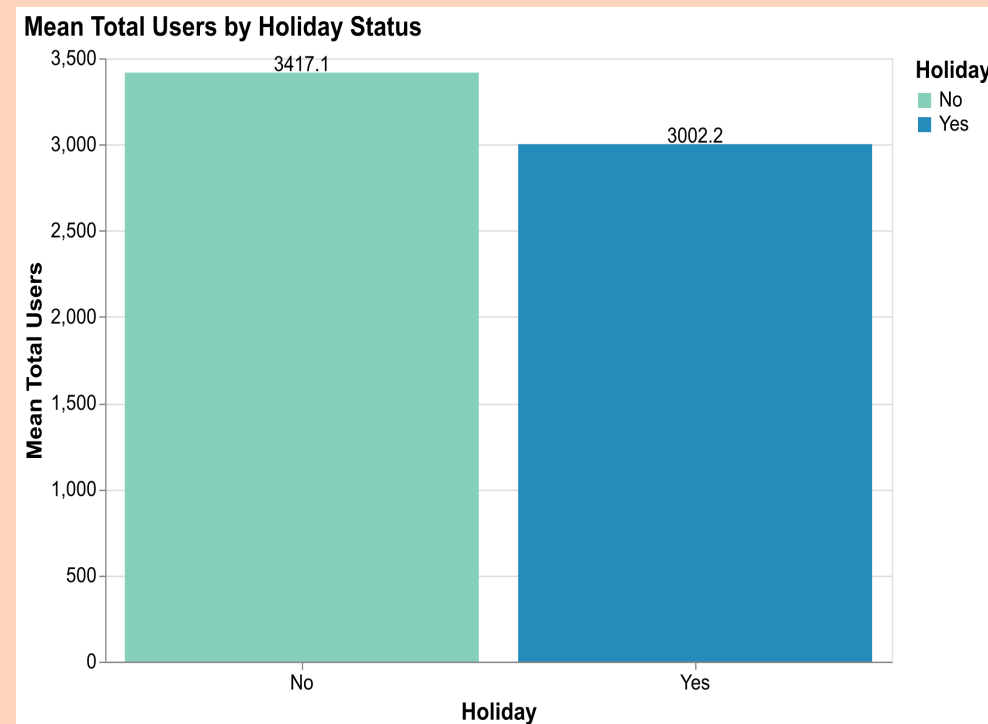


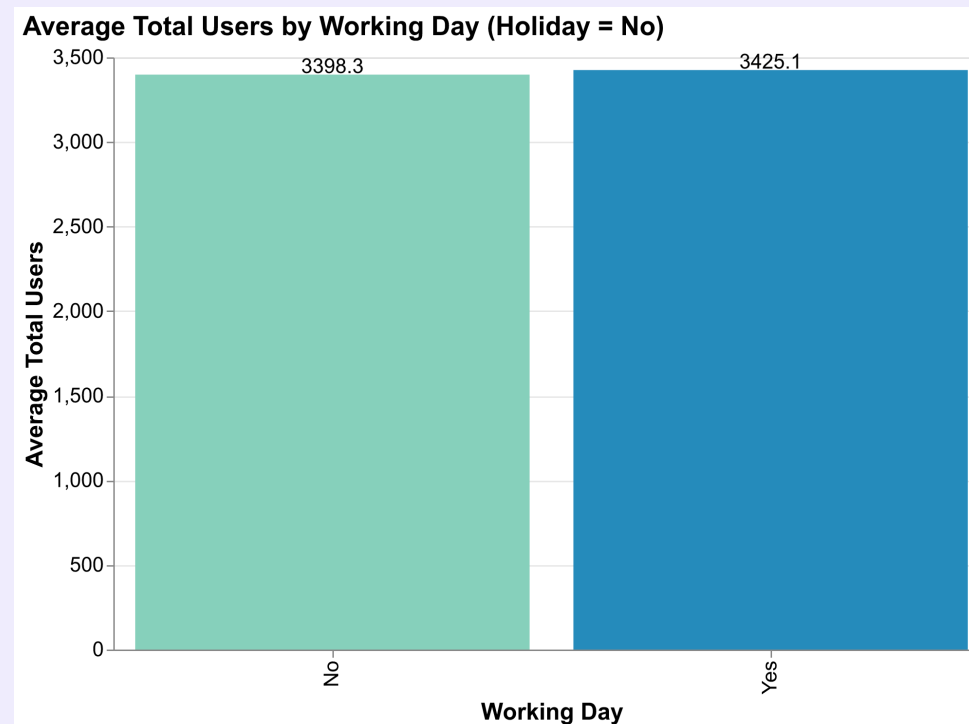
## Introduction

This study analyzes how holidays and working days impact bike sharing demand. It explores total user differences between holidays and non-holidays. It examines user variation by working day and weekday status under holiday conditions.

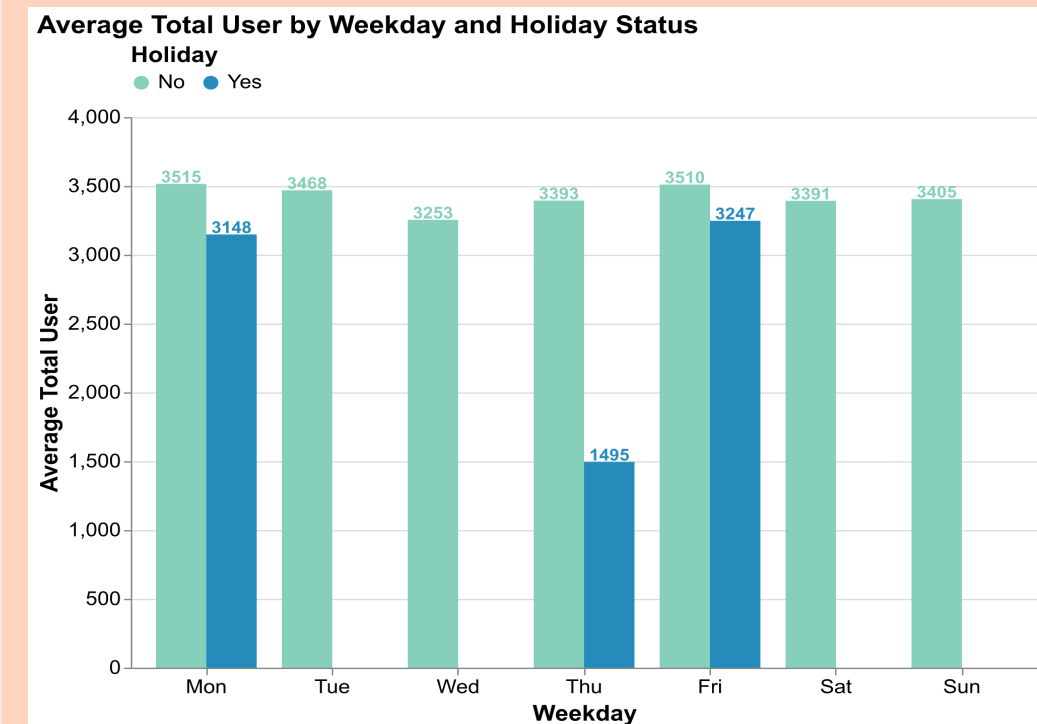
# How Do Holidays and Working Days Impact Bike Sharing Demand Patterns?



Mean total users decrease by about 415 on holidays, with non-holidays averaging 3417.1 users and holidays 3002.2.



Average total users are slightly higher on working days (3425.1) than non-working days (3398.3) when holiday is No.



On non-holidays, user counts are stable across weekdays; on holidays, Monday and Friday remain high, but Thursday drops significantly.

## Conclusion

Bike sharing demand decreases by about 415 users on holidays compared to non-holidays. On non-holidays, bike usage is slightly higher on working days than non-working days. User demand remains stable across weekdays during non-holidays but varies on holidays, with Monday and Friday high and Thursday significantly lower. Holidays reduce overall demand and alter weekday patterns, while working days slightly increase usage on non-holidays. These findings highlight holiday and working day effects on bike sharing, showing demand drops on holidays and shifts in weekday usage patterns.