# SDS315HW

**UT EID: ns36965** 

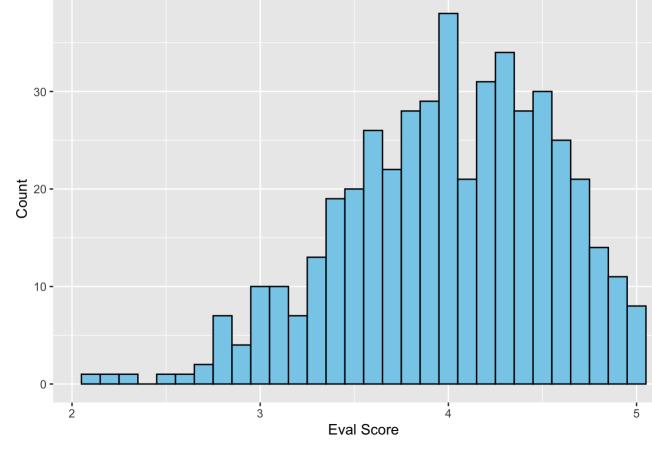
Neil Sebastian 2024-01-29

## HW2

## **GitHub Link** Problem One: Beauty, or not, in the classroom

# Part A

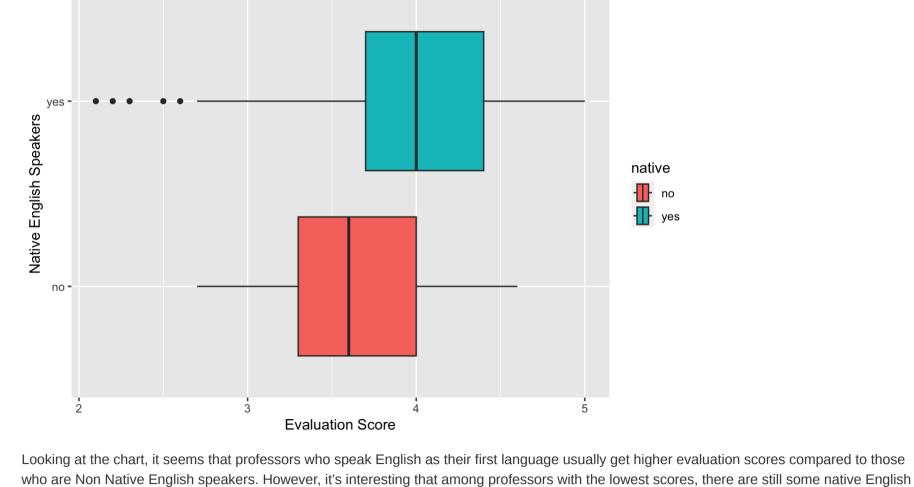
Distribution of Course Evals



Part B Course Evals for Native/Non-Native English Speaking Professors

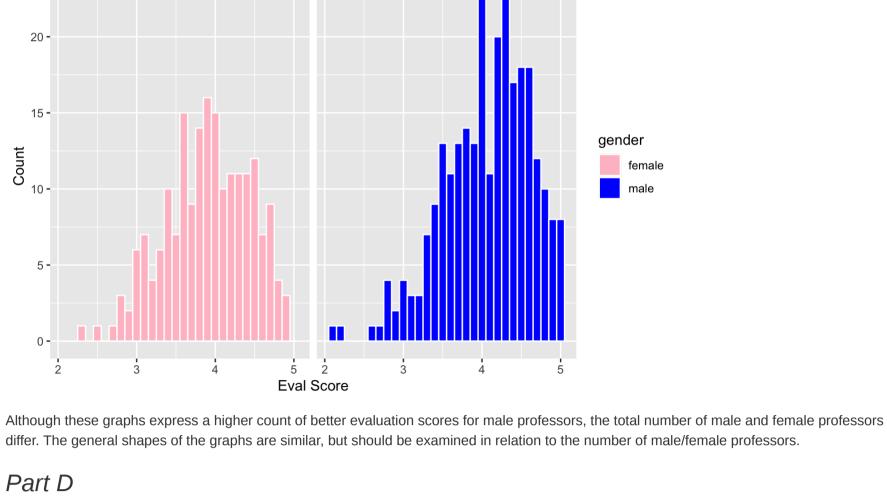
On a scale from 1 to 5, the majority of proffesor evaluation scores was a 3, with some outliers. The max count of scores for these professors was 4,

and the graph is skewed left.

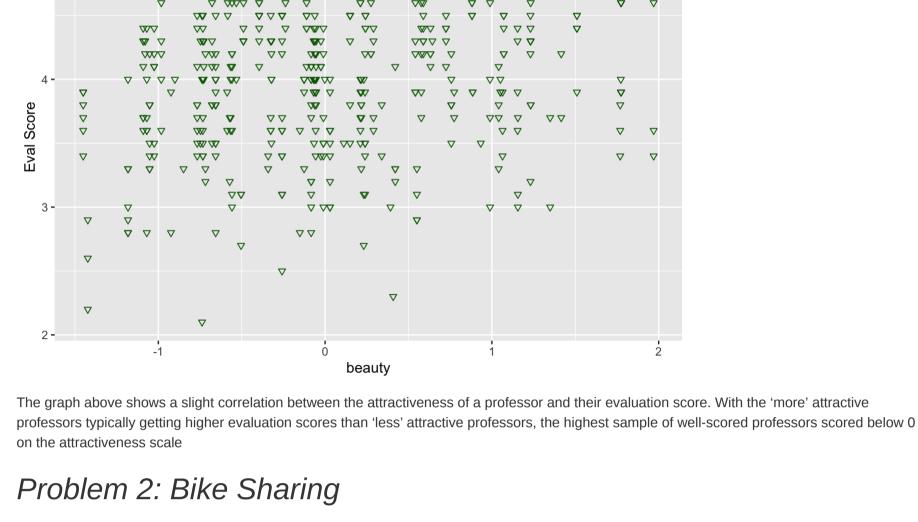


Part C Distribution of Course Evals female male

speakers.



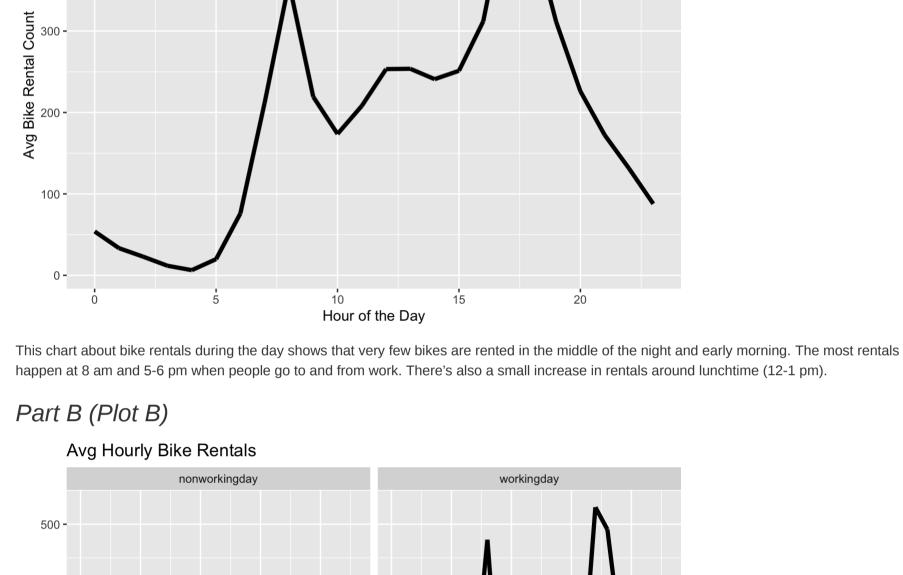
Distribution of Course Evals by Attractiveness



400 -

Avg Hourly Bike Rentals

Part A (Plot A)



# Avg Bike Rental Cour

100 **-**

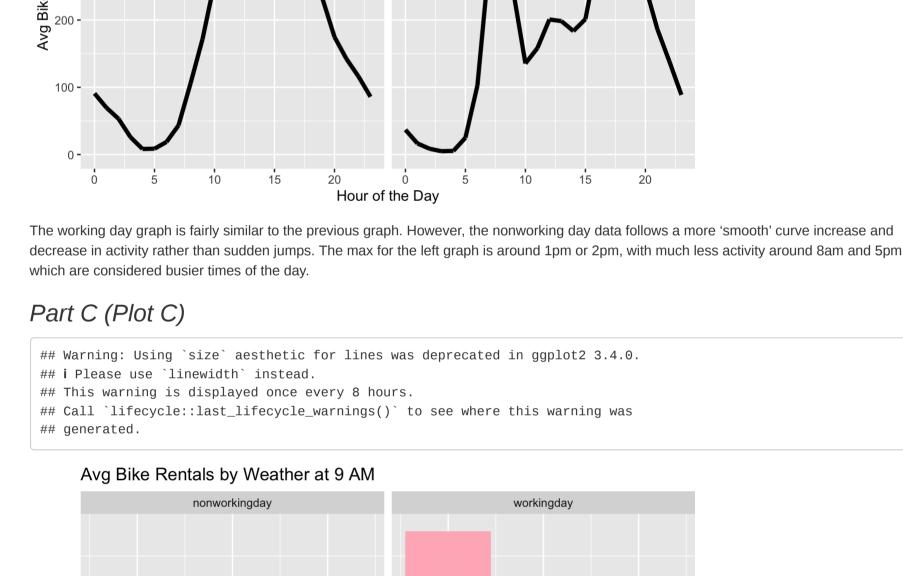
50 **-**

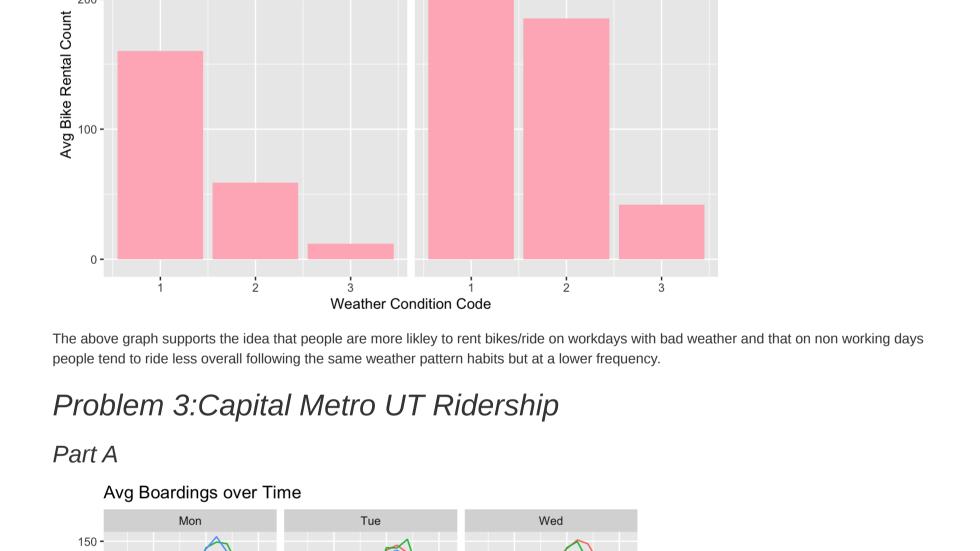
Thu

Sun

Average Boardings

150 **-**





100 -50 **-**15 10

10

15

20

15

10

20

month

Oct Nov

### Hour of the Day These graphs show how many people, on average, board Cap Metro buses in Austin at different times and days of the week. The busiest times are similar on most days, but Saturdays and Sundays have a lower frequencey, this may be because some bus routes are not operating on weekends. On these days, the average number of boardings is barely over 25, while on most days, it's over 100. The lower activity on Mondays in September



Problem 4: Wrangling the Billboard Top 100

Performer Song Count **Imagine Dragons** Radioactive 87 **AWOLNATION** Sail 79 Jason Mraz I'm Yours 76 The Weeknd **Blinding Lights** 76 LeAnn Rimes How Do I Live 69

Party Rock Anthem

**Counting Stars** 

68

68

65

65

64

travelers should be conducted based on averages of boardings over hours and temperatures rather than a comparison of the total number of

## LMFAO Featuring Lauren Bennett & GoonRock OneRepublic Adele

travelers.

Part A

Adele		Rolling In The Deep	6
Jewel		Foolish Games/You Were Meant For Me	6
Carrie Underwood	ı	Before He Cheats	6
		ime since 1958, this is shown by the number of times they appeared his measurement is "Radioactive" by Imagine Dragons.	on the Billboard
Part B			
Num of U	Unique Songs from 1959-2020		
800			
700			
Count			
	<b>"</b>		

400 1980 2020

The line graph above shows the trend of unique songs released between 1958 and 2021 (excludsive of 1958 and 2021). The graph ends

Year

## Warning in  $geom\_col(aes(x = performer, y = TenWeekHits, fill = performer), :$ 

2000

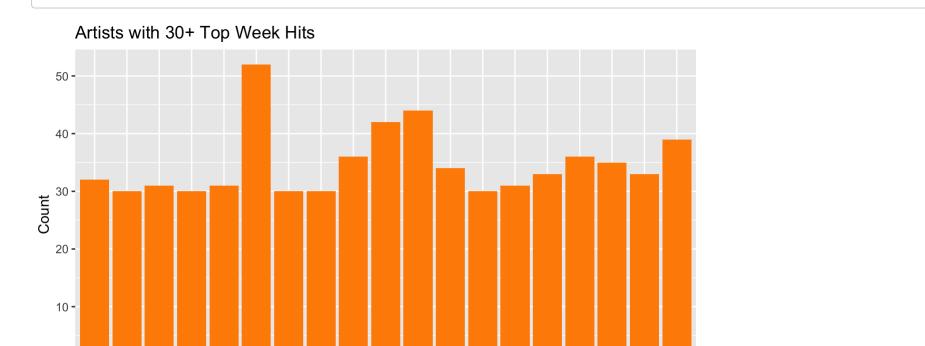
## approaching a new maximum show last in the 60's. The graph reached it lowest number of unique songs around the 2000's. This came after the max in the 60's meaning we could have the same trend in the future. Part C

1960

## Ignoring unknown parameters: `stat`

Drake, Neil Diamond, Taylor Swift and the leader Elton John.

500 -



The plot shows the 19 artists that had over 30 top 100 songs that remained in the Billboard Top 100 for atleast 10 weeks. Some popular artists are

Performer