Final Project - Song Repetitiveness

Eva, Julia, Sophie and Tessa
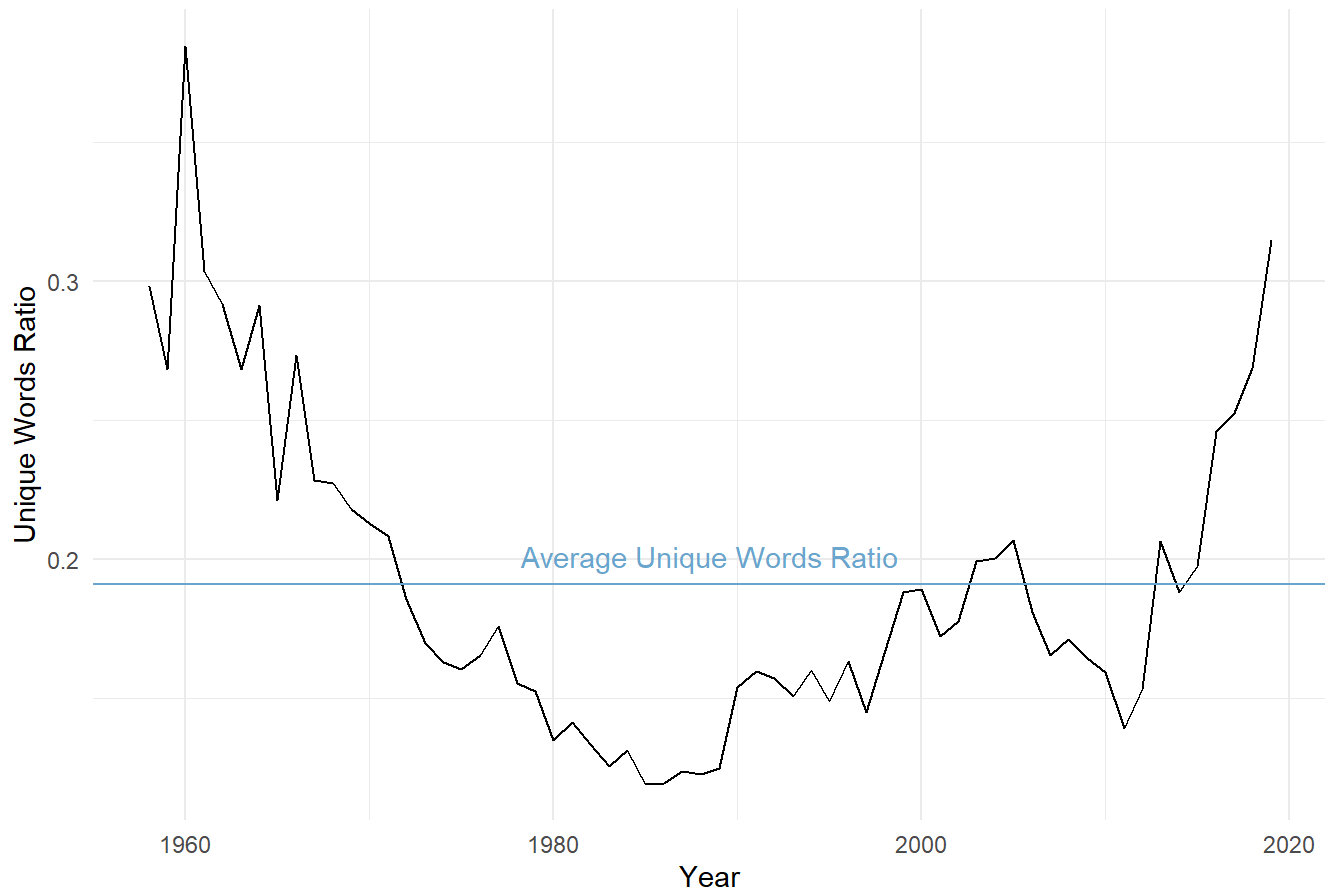
2024-05-07

Country Data
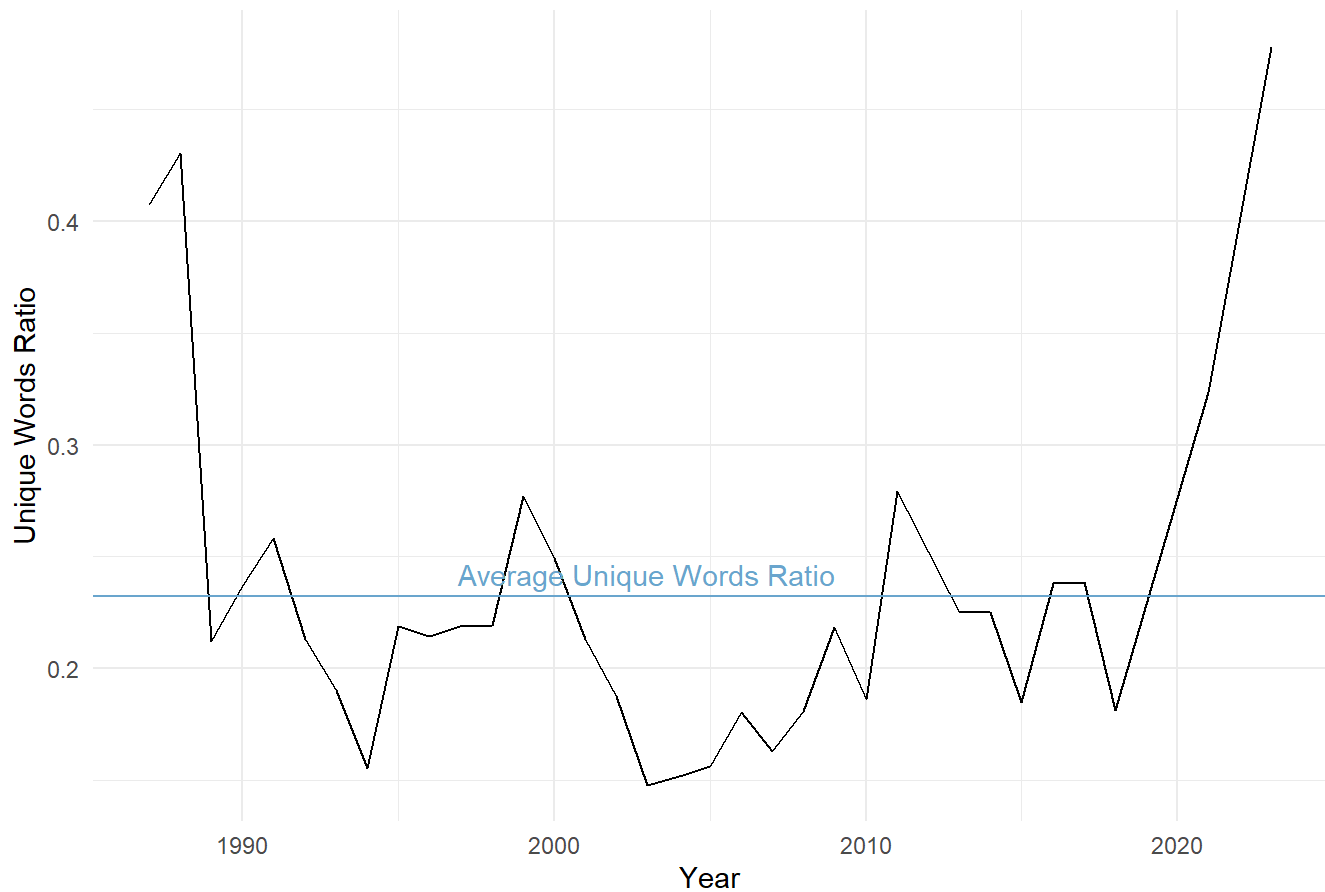
Title <chr>	Artist <chr>	Year <int>	genre <chr>	▶
1 You Gotta Fight for Your Right To Party!	Beastie Boys	1987	Rap	
2 I Need Love	LL Cool J	1987	Rap	
3 Going Back To Cali	LL Cool J	1988	Rap	
4 Wild Thing	Tone Lōc	1989	Rap	
5 Funky Cold Medina	Tone Lōc	1989	Rap	
6 Buffalo Stance	Neneh Cherry	1989	Rap	

6 rows | 1-5 of 6 columns

Measure of Repetitivness: Unqiue Words Ratio

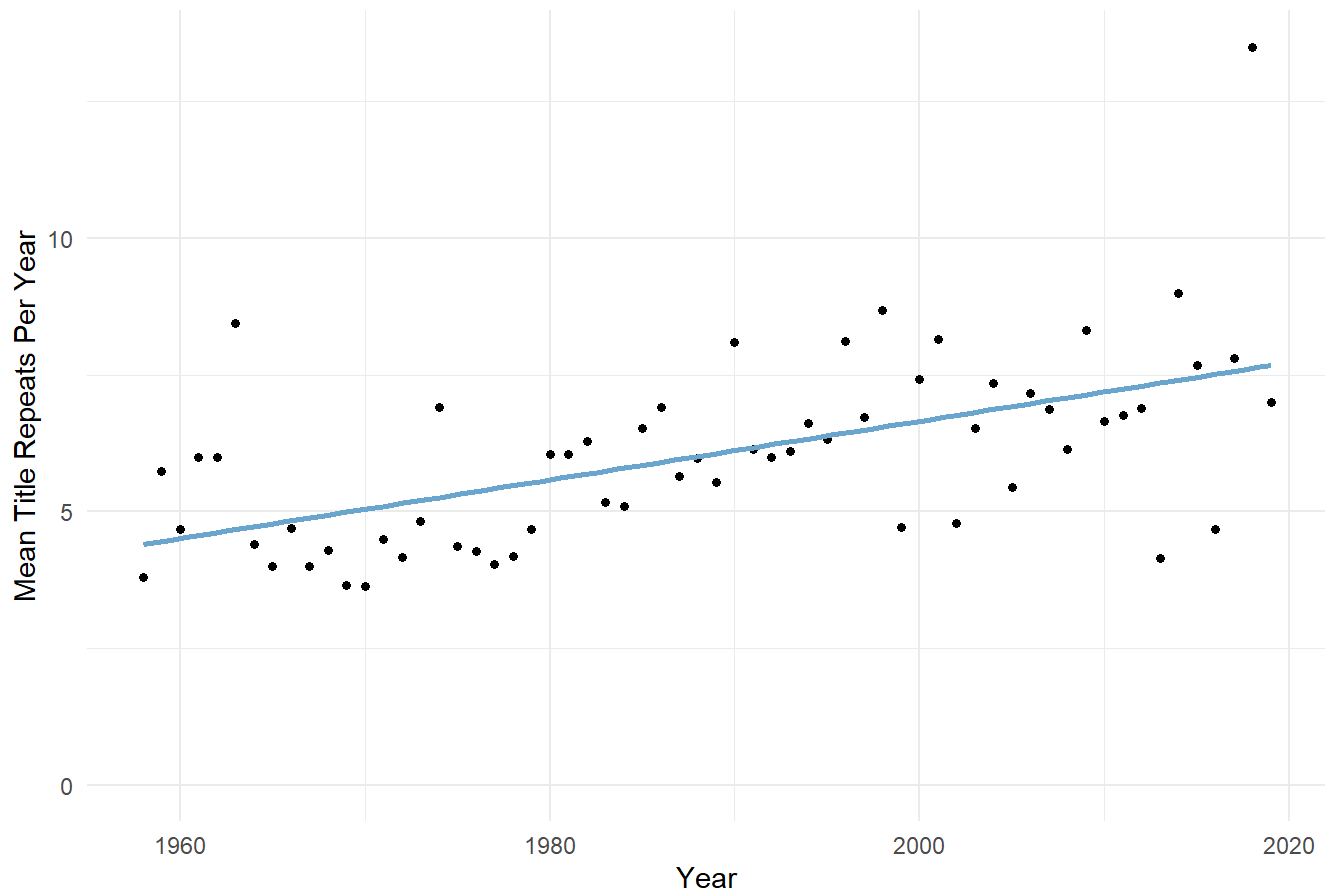Unique Words Ratio of Top Country Songs Over Time

Unique Words Ratio of Top Hip Hop Songs Over Time

Measure of Receptiveness: Title Repetition - Tessa and Julia

```
## `geom_smooth()` using formula = 'y ~ x'
```
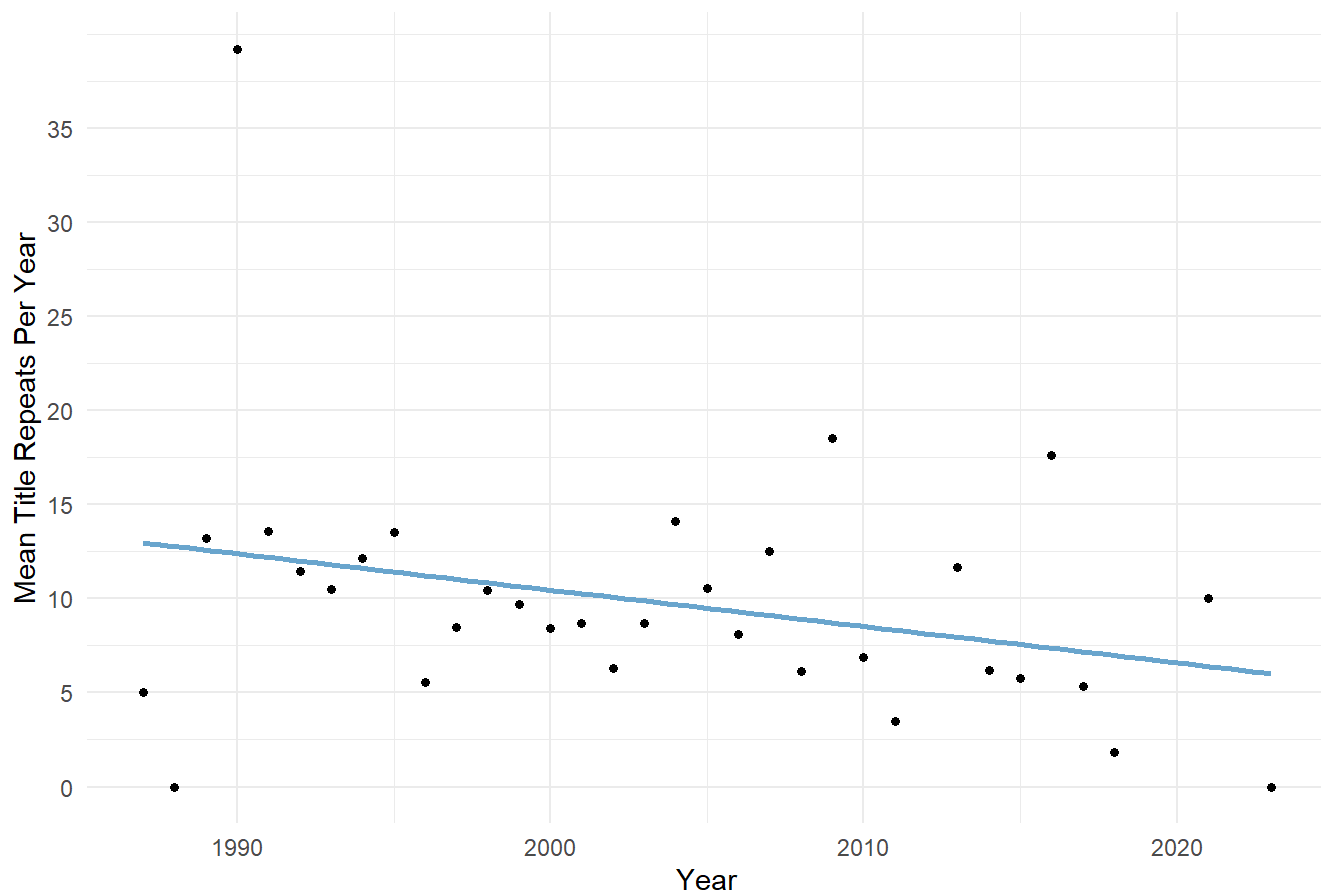
Average Title Repeats of Top Country Over Time


```
## 
## Call:
## lm(formula = AveTitleRepeats ~ Year, data = ave_title_repeats_by_year)
## 
## Residuals:
##     Min      1Q  Median      3Q     Max 
## -3.2066 -0.7535 -0.2030  0.5652  5.8823 
## 
## Coefficients:
##               Estimate Std. Error t value Pr(>|t|)    
## (Intercept) -100.62909   20.21778  -4.977 5.75e-06 ***
## Year           0.05364    0.01017   5.276 1.91e-06 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
## 
## Residual standard error: 1.433 on 60 degrees of freedom
## Multiple R-squared:  0.3169, Adjusted R-squared:  0.3055 
## F-statistic: 27.84 on 1 and 60 DF,  p-value: 1.91e-06
```

```
## `geom_smooth()` using formula = 'y ~ x'
```
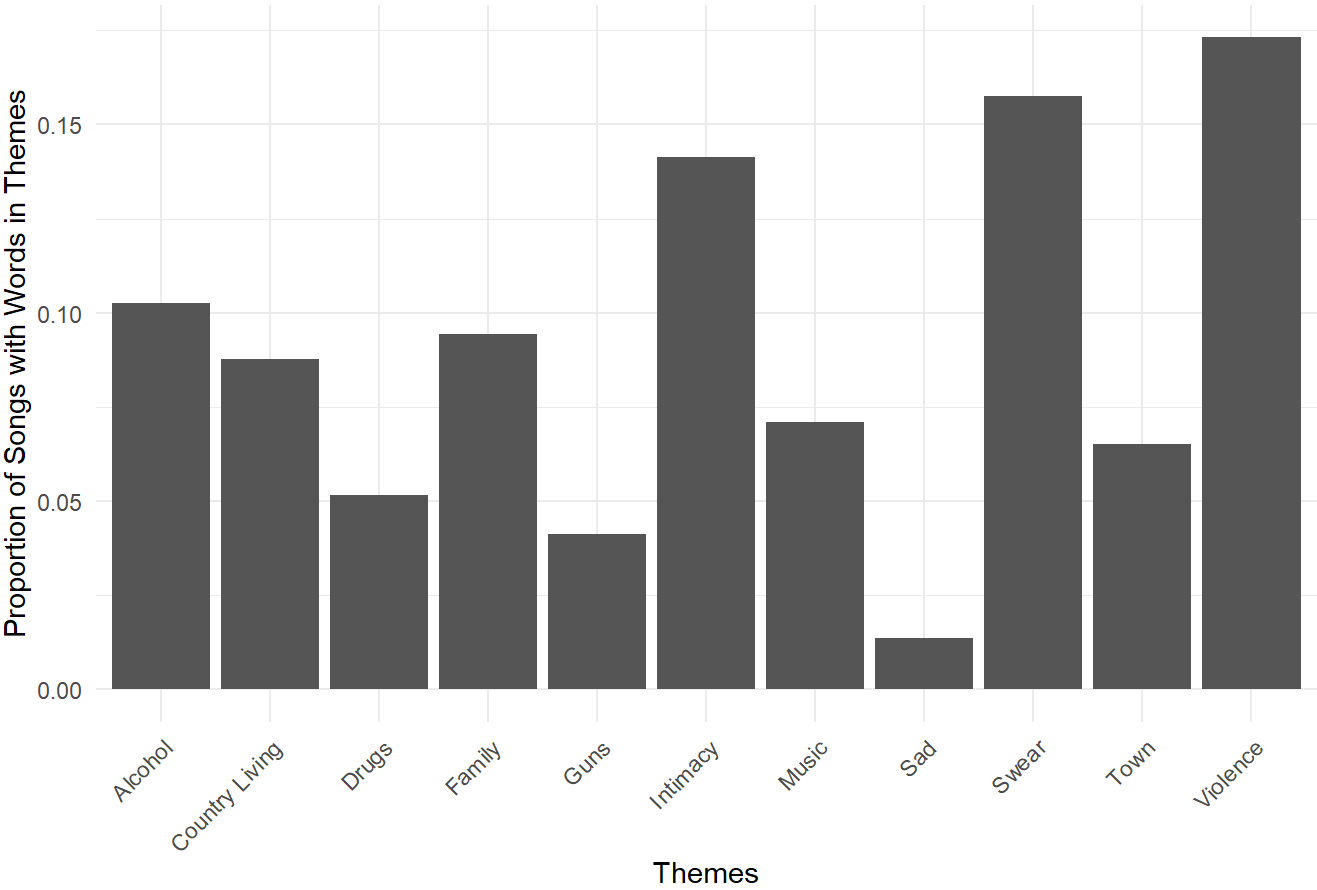
Average Title Repeats of Top Hip Hop Over Time


```
##
## Call:
## lm(formula = AveTitleRepeats ~ Year, data = ave_title_repeats_by_year)
##
## Residuals:
##     Min      1Q  Median      3Q     Max
## -12.769  -2.534  -1.208   1.409  26.817
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept) 396.0779   230.4206   1.719   0.0956 .
## Year         -0.1928     0.1150  -1.676   0.1037
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 6.681 on 31 degrees of freedom
## Multiple R-squared:  0.08312,    Adjusted R-squared:  0.05355
## F-statistic:  2.81 on 1 and 31 DF,  p-value: 0.1037
```

Sophie

Proportions of Themes Found in Hip Hop Songs

Proportions of Themes Found in Country Songs