

R Course: Lesson 2

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Introduction

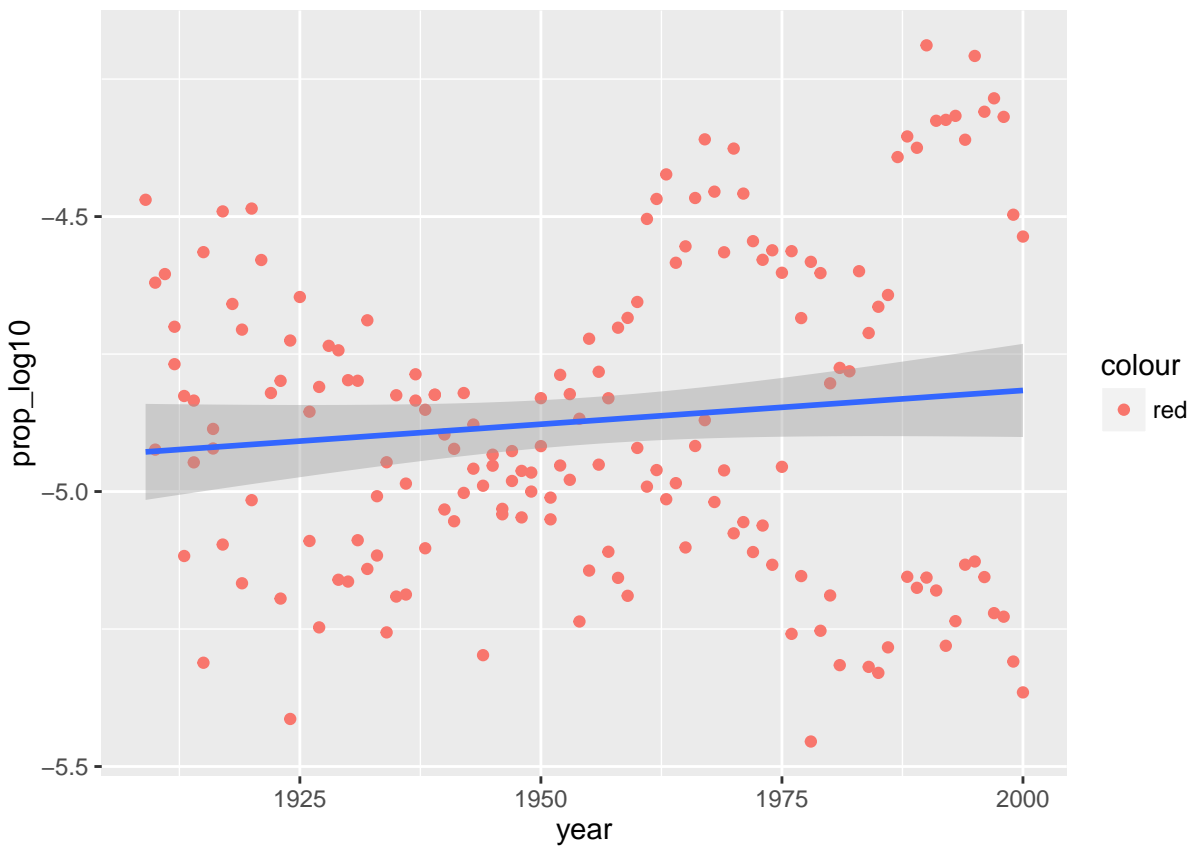
I looked at how common my name, “Page”, is in the United States population both by Year and Sex

Results

Prevalance by Year

Below is a plot for how the proportion of people with the name ‘Page’ (log base 10 transformation) has changed over time. Overall the trend is pretty flat.

```
year.plot
```



To test if there is a significant effect of a year a linear model was built. Proportion of the population log base 10 transformed was the dependant variable

```
year.lm
```

```
##  
## Call:  
## lm(formula = prop_log10 ~ year, data = data_stats)  
##  
## Coefficients:  
## (Intercept)      year  
##   -7.272414    0.001228
```

Prevalance by Sex

Conclusion