

Durational measurements on the Dutch prefix *ge-*

Using old data from Harald Baayen’s `languageR` package

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It is said that your life flashes before your eyes just before you die.
That is true, it’s called Life.”

– Terry Pratchett, *The Last Continent*

Abstract: This paper is about Dutch prefixes. It uses an example data set from Pluymaekers et al. (2005), cited by Baayen (2008, pp. 126, 338).

1 Introduction

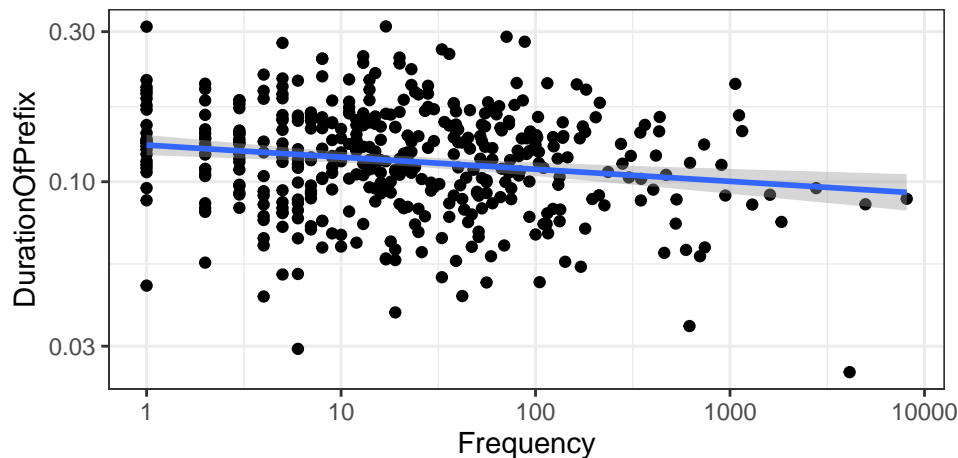


Figure 1: A very interesting graphical description of the data.

We tried to figure out if the frequency of a word has an influence on the duration of Dutch prefixes. Intuitively one could assume that with the duration drops with frequency. For this we recruited **132** Dutch native speakers. They produced **428** different words. Figure 1 gives an overview of the data. We clearly see a downward trajectory.

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Table 1: Scientists of the 20th century.

Scintist	Nobel prices	Birthyear	Death
Emmy Noether	0	1882	1935
Rosalind Franklin	0	1920	1958
Vera Rubin	0	1928	2016

Table 1 lists three women who helped to shape the world as it is.

2 Methods and Materials

We applied **methods** to **materials**.

It can quite generally be said that

$$a + b = b + a$$

where a and b are some real numbers and $a + b$ is the sum of a and b .

There are

1. things that are not dashes
2. things that are dashes
 - short dashes: -
 - a. they are basically not dashes at all, but minus signs.
 - b. This fact is rarely relevant.
 - longer dashes: –
 - really long dashes: —

2.1 Methods

They where great

Here are the **materials**.

Back to **methods and materials**

2.2 Materials

Subjects were told what to do.

Back to **methods and materials**

Template to be reproduced ends here

What shall we do?

Update your `Rmd` file so the output matches this document.

Add the figure.

The code for it could be

```
ggplot(durationsGe,  
      aes(Frequency, DurationOfPrefix))+  
  geom_point()+  
  scale_x_log10()+  
  scale_y_log10()+  
  geom_smooth(method=lm)+  
  theme_bw()
```

If you don't remember the syntax, the cheatsheet or google will surely help. If not, I'm there to help.

References

- Baayen, R. H. (2008). *Analyzing linguistic data: A practical introduction to statistics using R*. Cambridge University Press.
- Pluymaekers, M., Ernestus, M., and Baayen, R. H. (2005). Frequency and acoustic length: The case of derivational affixes in dutch. *Journal of the Acoustical Society of America*, 118, 2561--2569.