Estimation Plots

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Load libraries

If the libraries are not installed yet, you need to install them using, for example, the command: install.packages("ggplot2"). For the Hrate package this is different, since it comes from github. The devtools library needs to be installed, and then the install_github() function is used.

```
library(stringr)
library(ggplot2)
library(ggrepel)
library(ggExtra)
library(ggpubr)

##
## Attaching package: 'ggpubr'

## The following object is masked from 'package:plyr':
##
## mutate
```

Load Data

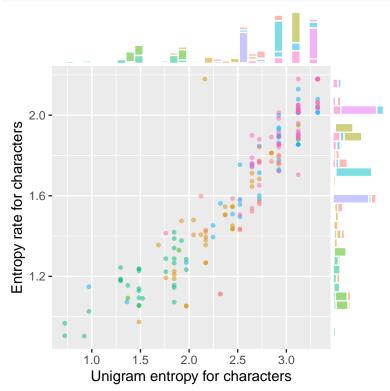
Load data table with values per text file.

```
# load estimations from stringBase corpus
estimations10.df <- read.csv("~/Github/NaLaFi/results/estimation10chars.csv")
estimations100.df <- read.csv("~/Github/NaLaFi/results/estimation100chars.csv")
estimations1000.df <- read.csv("~/Github/NaLaFi/results/estimation1000chars.csv")
#head(estimations10.df.)

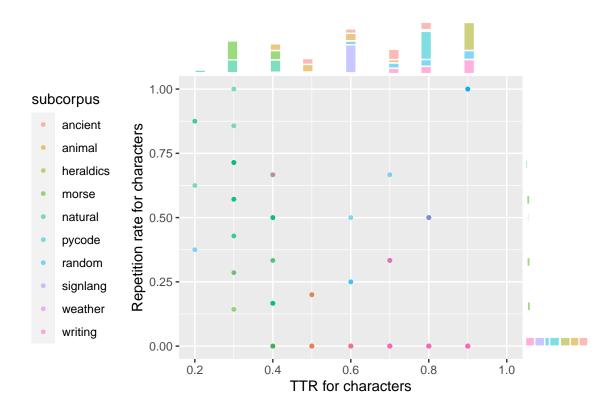
Select subcorpora (if needed).
selected <- c("shuffled")
estimations10.df <- estimations10.df[!(estimations10.df$subcorpus %in% selected), ]</pre>
```

Scatterplots

Entropy rate vs. unigram entropy for characters



TTR vs. repetition rate for characters



Combined Plots



Safe complete figure to file