

# Phonetic fieldwork and experiments with the phonfieldwork package for R

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Presentation is available here: [tinyurl.com/y6lf5ch4](https://tinyurl.com/y6lf5ch4)



# Outline of the talk

Introduction

Installation of the package

Creating your presentation

Data renaming

Data merging

Data annotation

Data extraction

Data visualization

Reading data from different linguistic sources

Creating a data viewer – template for the data sharing

## Most phonetic research consists of the following steps:

- 1 Formulate a research question. Think of what kind of data is necessary to answer this question, what is the appropriate amount of data, what kind of annotation you will do, what kind of statistical models and visualizations you will use, etc.
- 2 Create a list of stimuli.
- 3 Elicite list of stimuli from speakers who signed an Informed Consent statement, agreeing to participate in the experiment to be recorded on audio and/or video.
- 4 Annotate the collected data.
- 5 Extract the information from annotated data.
- 6 Create visualizations.
- 7 Evaluate your statistical models.
- 8 Report your results.
- 9 Publish your data.

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The `phonfieldwork` package is created for helping with items 3, 4 (partially), 5, 6, and 9.

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## Install phonfieldwork

phonfieldwork is an R package, so you need to install [R](#), [RStudio](#) (optional) or use [rstudio.cloud](#). There are two possibilities for installing package in R:

- official version from CRAN

```
install.packages("phonfieldwork")
```

- development version from GitHub

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devtools::install_github("agricolamz/phonfieldwork")
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Since this package is under [rOpenSci review](#) there is a chance that in couple months the address could be changed to [ropensci/phonfieldwork](#), and documentation page will be moved from [agricolamz.github.io/phonfieldwork](#) to [docs.ropensci.org/phonfieldwork](#).

```
library("phonfieldwork")  
packageVersion("phonfieldwork") # Unreleased version
```

```
## [1] '0.0.8'
```

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