

# Polish Language(s) and Digital Humanities Using R

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2020



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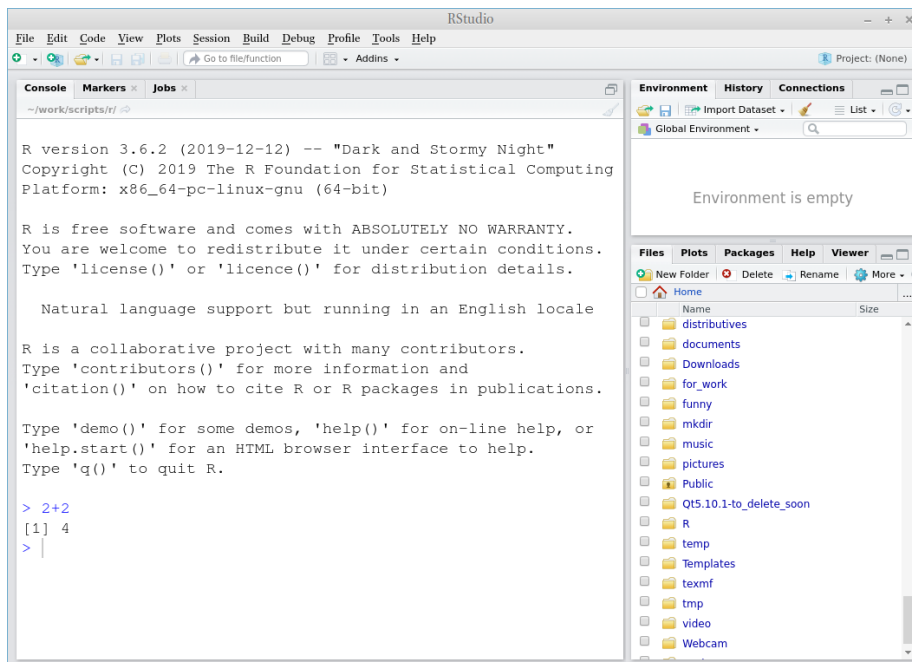


# Chapter 1

## Prerequisites

Before the classes I would like to ask you to follow the instructions mentioned below to prepare your device for the class work:

- install **R** from the following link: <https://cloud.r-project.org/>
- install **RStudio** from the following link: <https://rstudio.com/products/rstudio/download/#download> (FREE version, no need to pay!)
- after the installation run the RStudio program, type `2+2`, and press **Enter**.



If you see something like this, then you are well prepared for classes.

- Go to the <https://rstudio.cloud/> website and sign up there. This is optional, but it will be a backup version, if something will not work on your computer.



## Chapter 2

# Introduction to R and RStudio

### 2.1 Introduction

#### 2.1.1 Why data science?

#### 2.1.2 Why R?

### 2.2 Introduction to RStudio

### 2.3 R as a calculator

### 2.4 Functions

### 2.5 Variables

### 2.6 Variable types

### 2.7 Vector

#### 2.7.1 Vector coercion

#### 2.7.2 Vector operations

#### 2.7.3 Vector recycling

#### 2.7.4 Indexing vectors

#### 2.7.5 NA value

### 2.8 Dataframe (tibble)

#### 2.8.1 Indexing dataframes

### 2.9 Packages

### 2.10 Data import



## Chapter 3

# Data manipulation: dplyr



## Chapter 4

# Data visualisation: ggplot2



## Chapter 5

# Strings manipulation: `stringr`



## Chapter 6

Text manipulation:  
gutenbergr, tidytext,  
udpipe





## Chapter 7

### Stylometric analysis: `stylo`

