

Instructions in python

Some python installations are needed for the packages topicmodels.etm, keras, torch and tensorflow. Currently, our experiments were completed using the python version 3.9. There are plenty of tutorials on how to install and connect python versions and packages to R sessions. You will possibly need to define the version of a python installation using the following script: “reticulate::use_python(...)”. Also, in command prompt, you can install a python package using the script “pip install something”. Note that there are some possible restrictions regarding the versions of some packages that should be installed instead of the latest available versions. This information is basic but additional details and guidance is available online.

Main script in R programming language

You need to paste the full path of the project in which the full code-repository is saved ...

```
setwd(...)
```

```
library(readxl)
```

```
packages_to_install <- read_xlsx(path = "FastTMtool_all_required_packages.xlsx")
```

```
install.packages(packages_to_install$new_values)
```

```
library(shiny)
```

```
runApp("FastTMtool_main_UI.R")
```