Using Python in R Markdwon

Create virtual environment

Make sure your Python has the virtualenv package installed

```
$ pip install virtualenv
```

Navigate to your RStudio project using the following command:

```
$ cd <project-dir>
```

Create a virtual environment within your project directory:

```
$ virtualenv python
```

To activate the virtual environment, run the following command:

```
$ source python/bin/activate
```

Within your virtual environment, install the necessary packages:

```
$ pip install lemmy pandas spacy
```

Using reticulate

In your R console, run: ----- in project

```
usethis::edit_r_profile('project')
```

This will open the .Rprofile file. To configure reticulate to point to the Python executable in your virtualenv, add the following content to the .Rprofile file:

```
Sys.setenv(RETICULATE_PYTHON = "python/bin/python")
```

Restart R session. You can verify that reticulate is configured for the correct version of Python using the following command in your R console:

```
reticulate::py_config()
```

Load necessary python packages

```
py_install("pandas", pip = TRUE)
py_install("lemmy", pip = TRUE)
py_install("spacy", pip = TRUE)
```

Within your virtual environment, run the following in the terminal to download the relevant spaCy model:

```
python -m spacy download da_core_news_sm
```