

SejmRP package - how to use it

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Description

sejmRP package enables scraping data from Polish Diet's webpage sejm.gov.pl about votings and deputies in actual term of office. All data is stored in database.

Installation

To get started, install the latest version of **sejmRP** from GitHub:

```
if (!require(devtools)) {  
  install.packages("devtools")  
  require(devtools)  
}  
install_github("mi2-warsaw/sejmRP/sejmRP")
```

Make sure you have [rtools](#) installed on your computer.

Functions

- `create_database`
- `deputies_add_new`
- `deputies_create_table`
- `deputies_get_data`
- `deputies_update_table`

How to use

At the begining we need to create a database. For this purpose we use:

```
create_database(dbname,user,password,host)
```

where

- *dbname* is a name of database on the server in PostgreSQL,
- *user* is a username,
- *password* is a password to the database,
- *host* is an address of host or host's IP. These arguments we will use also in the future.

After that we will get three tables:

1. *deputies* with columns:

- 1) *id_deputy* - deputy's id,
- 2) *surname_name* - deputy's names and surnames,

2. *votes* with columns:

- 1) *id_voting* - voting's id,
- 2) *nr_meeting* - meeting's number,
- 3) *date_meeting* - meeting's date,
- 4) *nr_voting* - voting's number,
- 5) *topic_voting* - voting's topic,
- 6) *link_results* - link with voting's results,

3. *votes* with columns:

- 1) *id_vote* - vote's id,
- 2) *id_deputy* - deputy's id,
- 3) *id_voting* - voting's id,
- 4) *vote* - deputy's vote, one of: "Za", "Przeciw", "Wstrzymał się", "Nieobecny",
- 5) *club* - deputy's club.

Now when we have empty database, we can start completing it with data. First of all we complete the *deputies* table. To do that we use:

```
deputies_create_table(dbname,user,password,host)
```

This function scraps active and inactive deputies' data from Polish Diet's webpage and put it to the table. In the case of you want get only deputies' data you can use:

```
deputies_get_data(type)
```

where you can choose between active and inactive deputies. To update *deputies* table use:

```
deputies_update_table(dbname,user,password,host)
```

After that we should complete *votes* table with:

```
votes_create_table(dbname,user,password,host,home_page,page)
```

This function scraps all information about votes from <http://www.sejm.gov.pl/Sejm7.nsf/agent.xsp?symbol=posglos&NrKadencji=7>. If you want update *votes* table, try:

```
votes_update_table(dbname,user,password,host,home_page,page)
```

If you are interested in extra information, you can use additional functions:

```
votes_get_meetings_table(page)
votes_get_votes_table(page)
```

First of them enables downloading table with information about meetings during diet's term of office. The second one does the same with votings during meeting.

Finally we need to complete *votes* table. To do that we use:

```
votes_create_table(dbname,user,password,host,home_page,windows=TRUE)
```

The last argument says function if you use Windows, because of encoding issue on this operating system.

To update *votes* table use:

```
votes_update_table(dbname,user,password,host,home_page,windows=TRUE)
```

If you want to know how deputies from chosen club voted try:

```
votes_get_results(page)
```

As *page* argument you should put page with this club's voting's results ([example](#)).