

Why?

- ▶ If you want to determine gender gap in Free Software projects or mailing lists
- ▶ If you don't know the gender about a name
- ▶ If you want research with statistics about why a name is related with males or females.
- ▶ If you want use the commercial apis in gender detection (genderize, genderapi, namsor, nameapi) from a command.

Reducing the gender gap. How? (I)

Create Free Software tools to determine gender in Internet can help to reduce the gender gap in the world

Basic usages

```
$python3 main.py David
$python3 main.py Mesa --ml = nltk
$python3 nameincountries.py David
$python3 surname.py Arroyo --total = es
$python3 surnameincountries.py Arroyo
$python3 api2gender.py Leticia --api = genderapi
```

Statistics

```
$ python3 infofeatures.py
$ python3 confusion.py
$ python3 errors.py --csv="files/names/all.csv"
--api="genderguesser"
$ python3 pca-components.py --csv="files/features_list.csv"
$ python3 pca-features.py
$ python3 top.py es
$ python3 accuracy.py --api="genderguesser" --measure="recall"
--csv=files/names/allnoundefined.csv
$ python3 csv2gender.py files/forbes2020.csv
--first_name_position=0
```

Easy Installation and Testing

```
$ npm i damegender
$ pip3 install damegender[all]
$ python3 apikeyadd.py
$ cd src/damegender & nosetest3 test
$ ./testsbycommands.sh & ./testsbycommandsextralocal.sh
```

Open Datasets

- ▶ Official Statistics Offices
- ▶ Wikidata
- ▶ GenderGuesser

Reducing the gender gap. How? (II)

Measuring gender gap in software repositories and taking actions about it can help to reduce the gender gap in the world