

# Damegender: Towards an International Dataset about Names, Gender and Frequency

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- Title of this slides: Towards an International Dataset about Names, Gender and Frequency
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# Academic Disciplines that could be finding profit on it

- Secondary sources in gender studies
- To build indicators about gender gap
- Natural Language Processing
- Studies about Linguistics

# Research Examples about it

- Gender gap in Knowledge: Wikipedia, Twitter, Newspapers, Papers, ...
- Gender Gap in Software Engineering: Git, StackOverflow, ...
- Linguistics: Statistics in each language about number of last letters, first letter, phonemes, ... in males and females

# Damegender: A Toolkit for to Measure Gender Gap with an Approach on Reproducibility

Current state:

- Interface with Commercial APIs
- Automatic counts: csv2gender, git2gender, mail2gender, ...
- Machine Learning for nicknames and diminutives
- Comparing tools with: infofeatures, roc, principal components analysis (pca), confusion matrices, accuracies, precision, ...

# Damegender Dataset

- Accuracy: 0.876
- Females: 299870
- Males: 278981
- Open Data names retrieved only from statistical institutions
- More than 20 countries

# Damegender Countries



We have presented this work in:

## Scientific events on Software Engineering:

- Madrilenian Software Research
- Group Retreat 2019 Workshop
- SATToSE 2020: Seminar Series on Advanced Techniques & Tools for Software Evolution

## Event to master students and researchers in another disciplines:

- Periodismo de Datos (Medialab Prado)
- VI International Congress of Young Researchers with a Gender Perspective (UC3M 2021)
- I Congreso Internacional "Tecnologías I+D+i para la Igualdad: soluciones, perspectivas y retos" (UC3M 2021)
- Jornadas Online "Género y Ciencia de Datos en Deporte y Salud (UOC 2021)



## Software

Free Software released with GPLv3 integrated in the industry

- `git clone https://github.com/davidam/damegender.git`
- `pip3 install damegender`

## Publications

- Damegender: Writing and Comparing Gender Detection Tools (CEUR)
- Damegender Manual: Counting Males and Females in Internet Communities