

## WIKIGENDER: METHODOLOGY

Dataset

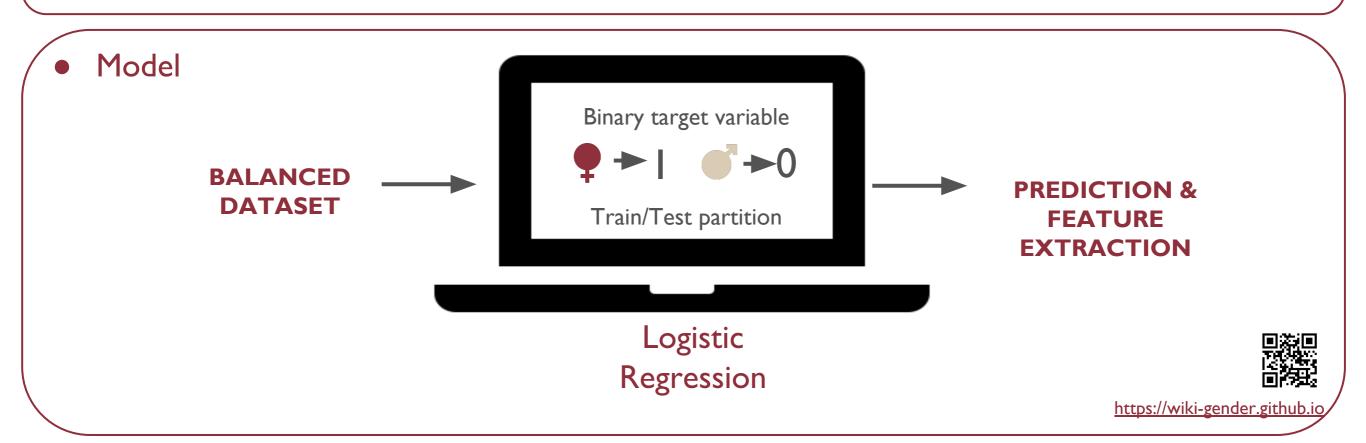
Overviews from Wikipedia biographies: only 17% of them refer to women

• Encoding "Ada was an English mathematician and writer" (0,0)1,0,0,...,0,0Stop word Adjective Noun word,  $\in$  overview word,  $\in$  overview

Balancing dataset by occupation



for each occupation we use the same number of male and female entries



## WIKIGENDER: RESULTS

## Bias in Adjectives

**Accuracy**: 54.6±0.001%

Top 5 most predictive adjectives

| women     | men        |
|-----------|------------|
| beautiful | offensive  |
| profit    | certain    |
| cross     | hard       |
| creative  | defensive  |
| romantic  | diplomatic |

Positive and strongly subjective

Negative and weakly subjective

## Bias in Nouns + Adjectives

**Accuracy**: 62.9±0.002%

Top 5 most predictive words

| women      | men        |
|------------|------------|
| person     | football   |
| marriage   | musician   |
| model      | officer    |
| dancer     | war        |
| midfielder | footballer |





