## PROFILE-BASED APPROACH FOR AGE & GENDER IDENTIFICATION

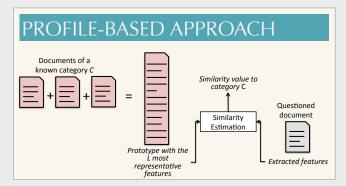


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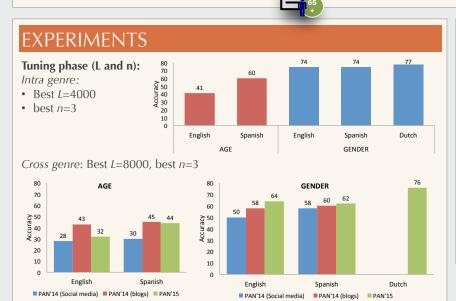
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## INTRODUCTION

- The main goal of the Author Profiling is to distinguish, from a given text, among different authors' categories and not to identify the author itself.
- This task aims at modeling groups of authors through more general set of features.
- Such features will represent how different categories of authors employ language depending on its age, gender, native language, political preference, personality, etc.



## **OUR METHOD Phase One: Phase Two:** · Unification: all xml files • Preprocessing of the txt: remove tags concatenated in a single txt file, and images. one per category. L most frequent N-grams extraction • Preprocessing of the txt: remove (unknown profile). tags and images. Compare the unknown document Similarity · N-grams extraction with profile (*D*) with the profile of each frequencies. Estimation category $(P_c)$ . · Sort the n-grams by frequency. · Return the category with the highest Save the profile of the category value of Sim. considering the L most frequent ngrams obtained in the previous step.



## CONCLUSIONS

- We presented a profile-based method for the Author Profiling task.
- Our proposal uses profiles of character 3-grams and length of 8000 terms.
- We performed experiments intra and cross genre scenarios.

As a future work, we plan:

- Test different features for the construction of the profiles.
- Use different similarity measures for comparing the profiles.

