# Organizing and Improving a Database of French Word Formation Using Formal Concept Analysis 

Nyoman Juniarta, Olivier Bonami, Nabil Hathout, Fiammetta Namer, Yannick Toussaint Université de Lorraine, CNRS, Inria, LORIA, F-54000 Nancy, France nyoman.juniarta@loria.fr



## 2. Fingerprint

Fingerprint of a family is the family's graph without lexemes.


A fingerprint can correspond to multiple families. Among 13K families, there are 4 K unique fingerprints.


## 6. References

1. Dolques, X. et al. (2013). AOC-posets: a scalable alternative to concept lattices for relational concept analysis. In Proceedings of the 10th International Conference on Concept Lattices and Their Applications (CLA).
2. Papay, S. et al. (2017). Evaluating and improving a derivational lexicon with graphtheoretical methods. In Proceedings of the 1st International Workshop on Resources and Tools for Derivational Morphology (DeriMo).
3. Namer, F. et al. (2019). Demonette2 - Une base de donnees dérivationnelle du français à grande échelle : premiers résultats. In Actes de la Conference sur le Traitement Automatique des Langues Naturelles (TALN) PFIA 2019.
