

Cracking the trauma narratives. A semi-automated approach

Lucie Quibeuf, Amaury Mengin, Pierre Orselli, Bénédicte Pincemin, Serge Heiden, Fabrice Berna, Denis Peschanski, Francis Eustache, Peggy Quinette

▶ To cite this version:

Lucie Quibeuf, Amaury Mengin, Pierre Orselli, Bénédicte Pincemin, Serge Heiden, et al.. Cracking the trauma narratives. A semi-automated approach. Meeting The Normandy Landings Revisited: 80 Years of Traumatic Stress Studies, and Counting, May 2024, Caen, France. hal-04868049

HAL Id: hal-04868049 https://hal.science/hal-04868049v1

Submitted on 6 Jan 2025

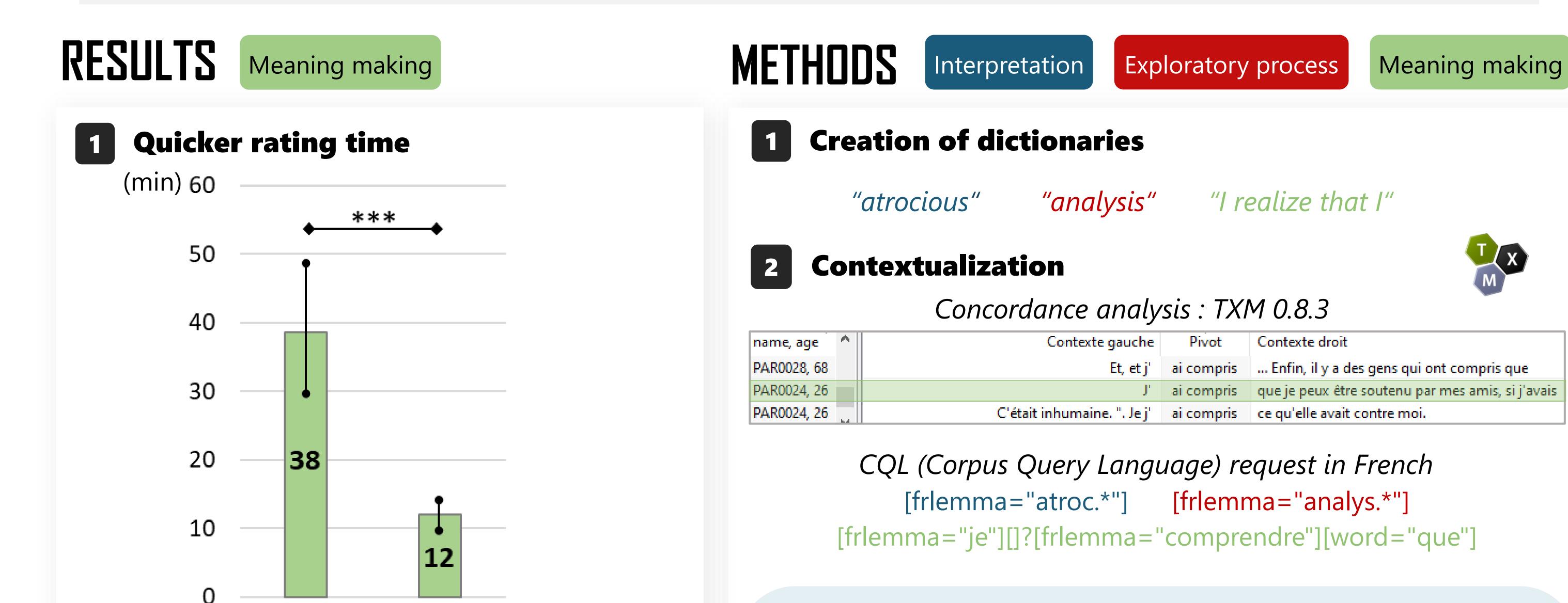
HAL is a multi-disciplinary open access archive for the deposit and dissemination of scientific research documents, whether they are published or not. The documents may come from teaching and research institutions in France or abroad, or from public or private research centers. L'archive ouverte pluridisciplinaire **HAL**, est destinée au dépôt et à la diffusion de documents scientifiques de niveau recherche, publiés ou non, émanant des établissements d'enseignement et de recherche français ou étrangers, des laboratoires publics ou privés.

CRACKING THE **TRAUMA NARRATIVES** A **Semi-Automated** Approach

Building a Semi-Automatic Coding System of Autobiographical Reasoning in Trauma Narratives

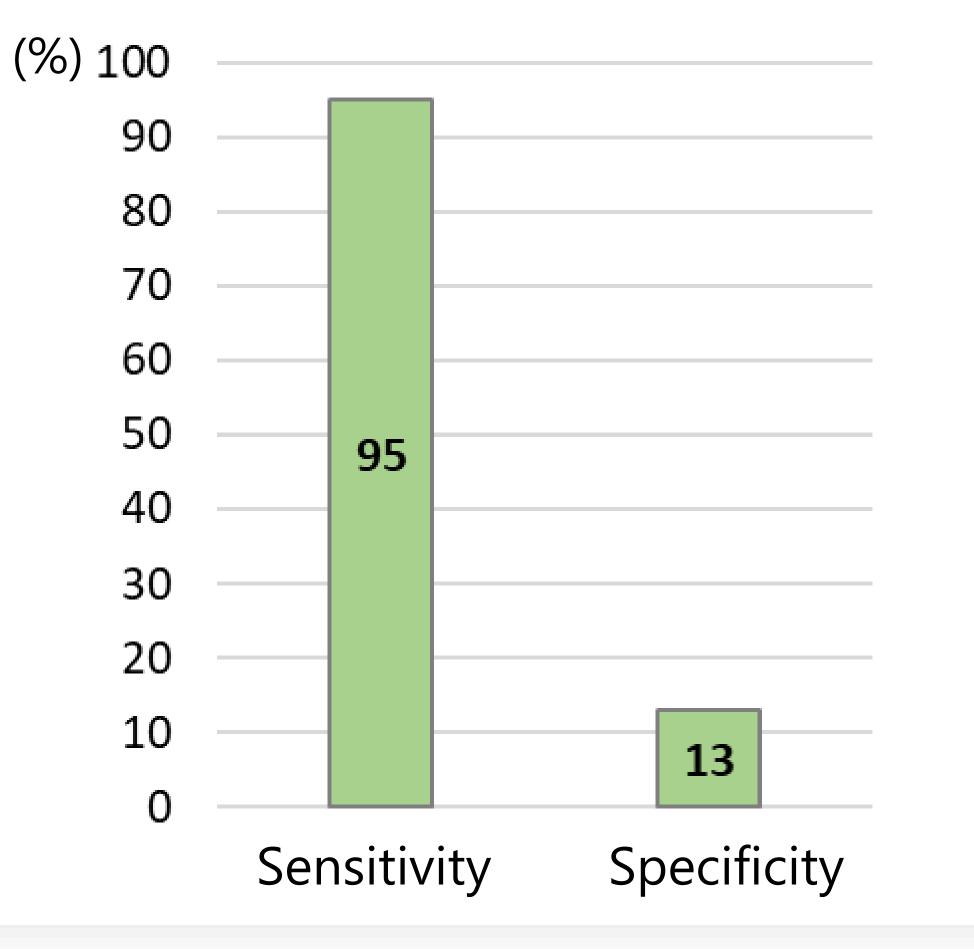
Background: To date, the study of life narratives relies on the coding of semi-structured interviews by judges assessing the structural and thematic aspects of narratives. However, the **length and richness of traumatic narratives** increase coding time and subjectivity. **Now**, we offer a **fast & reliable semi-automatic method** for

analyzing autobiographical reasoning, built on 178 narratives of Paris November, 2015 terrorist attacks.



Manual Semi-automated

Sensitive automatic detection



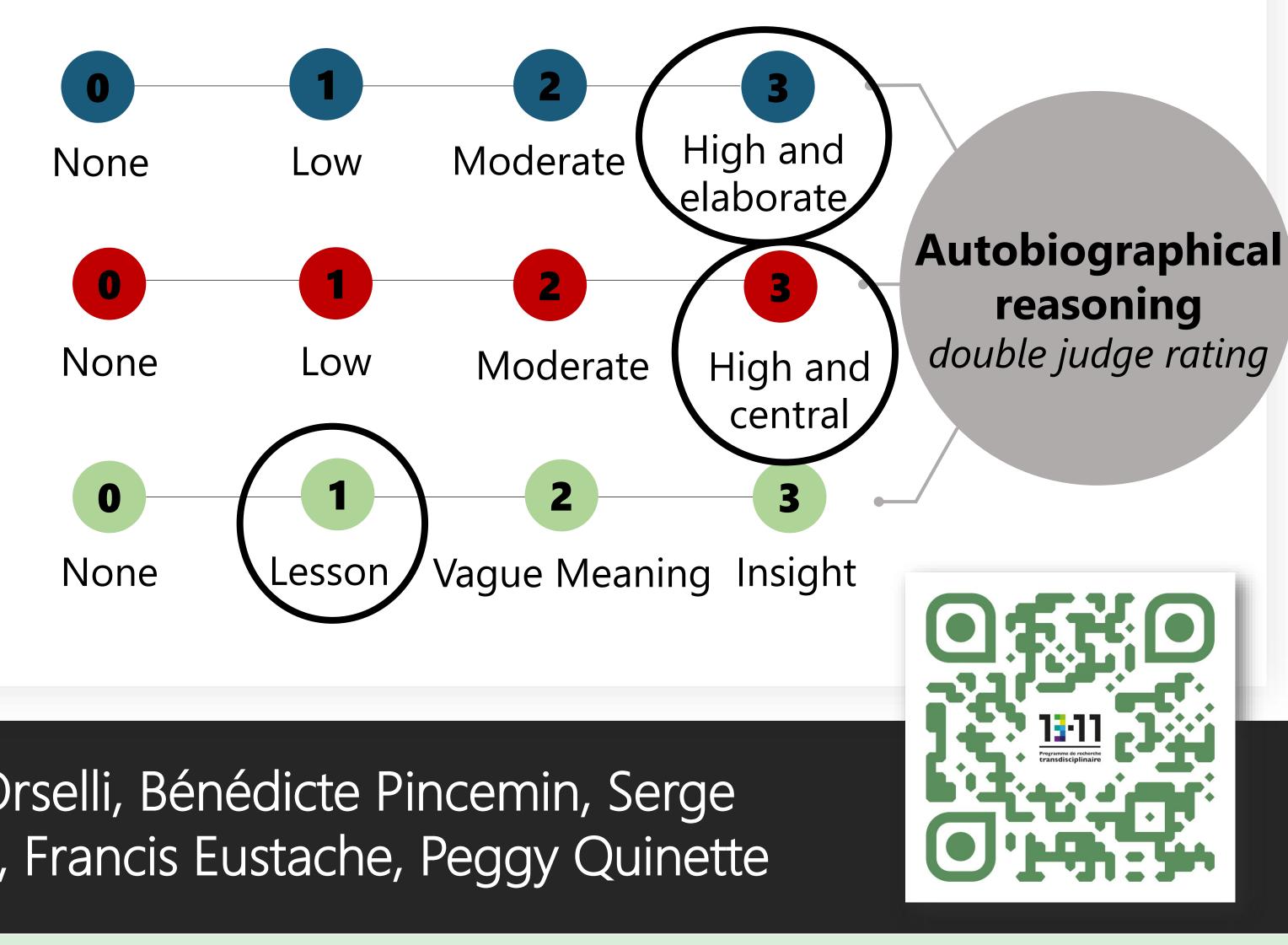
B Detection and color projection in trauma narratives of our study (see our 1st poster *)



"I'm trying to understand because it's so uh... because I think intellectualizing means taking back a little power over something that's on the order of barbarism, the most atrocious kind. I wanted to analyse.

So, I realize that if I've experienced a terrorist attack, statistically, there's very little chance of a second one. It's stupid, but... it helps reassure me."





Cyceron

Limitations: This semi-automated approach

has only been tested with trauma narratives of

terrorist attacks and still needs a human rating.

เห่ผ≡พ

Normandie Université



Programme de recherche transdisciplinaire Lucie Quibeuf, Amaury Mengin, Pierre Orselli, Bénédicte Pincemin, Serge Heiden, Fabrice Berna, Denis Peschanski, Francis Eustache, Peggy Quinette

des Hautes Étude

