PACT-ML: Coding United Nation Peacekeeping Data from reports to the Secretary-General

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Abstract

The Peacekeeping Activity Dataset (PACT) is the first of its kind data collection to shine light on what peacekeepers actually implement while deployed. In the past, many projects have looked towards mandates to study how specific tasks and mission success are related. PACT used report data from the mission heads to the Secretary-General of the UN to code up to 39 categories of task implementation on six different engagement levels. This project, PACT-ML, aims to extend the data collections of PACT 1.0 (Blair et al. (2022)) and PACT 2.0 (Otto (2024), Otto et al. (2024)) by using selected reports of PACT 2.0 to examine the application of Machine Learning / Natural Language Processing techniques to automatically code this sort of data from the reports.

Keywords: Machine Learning, Natural Language Processing, United Nations Peacekeeping, BERT, roBERTa

*Thanks for good advice during the semester, Chris and Killian. Also all the peers I talked to while tackling this group project alone :) it was not so alone after all.

1 Notes

- ONUCA reports left out due to super old report format and issues in preprocessing.
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2 Introduction

Body of paper. Margins in this document are roughly 0.75 inches all around, letter size paper.

Table 1: D-optimality values for design X under five different scenarios.

one	two	three	four	five
1.23	3.45	5.00	1.21	3.41
1.23	3.45	5.00	1.21	3.42
1.23	3.45	5.00	1.21	3.43

- Note that figures and tables (such as **?@fig-first** and Table 1) should appear in the paper, not at the end or in separate files.
- In document front matter, you may set the key `blinded` under a `journal` key to hide the authors and acknowledgements, producing the required anonymized version.
- Remember that in the anonymized version, you should not identify authors indirectly in the text. That is, don't say "In Smith et. al. (2009) we showed that …". Instead, say "Smith et. al. (2009) showed that …".
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- For more about ASA style, please see https://files.taylorandfrancis.com/asa-style-guide.pdf.
- If you have supplementary material (e.g., software, data, technical proofs), identify them in the section below. In early stages of the submission process, you may be unsure what to include as supplementary material. Don't worry—this is something that can be worked out at later stages.

3 Methods

Don't take any of these section titles seriously. They're just for illustration.

4 Verifications

This section will be just long enough to illustrate what a full page of text looks like, for margins and spacing.

The quick brown fox jumped over the lazy dog. The quick brown fox jumped over the lazy dog. The quick brown fox jumped over the lazy dog. The quick brown fox jumped over the lazy dog. **With this spacing we have 25 lines per page.** The quick brown fox jumped over the lazy dog. The quick brown fox jumped over the lazy dog. The quick brown fox jumped over the lazy dog. The quick brown fox jumped over the lazy dog. The quick brown fox jumped over the lazy dog.

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5 Conclusion

6 Disclosure statement

The authors have the following conflicts of interest to declare (or replace with a statement that no conflicts of interest exist).

7 Data Availability Statement

Deidentified data have been made available at the following URL: XX.

SUPPLEMENTARY MATERIAL

Title: Brief description. (file type)

R-package for MYNEW routine: R-package MYNEW containing code to perform the diagnostic methods described in the article. The package also contains all datasets used as examples in the article. (GNU zipped tar file)

HIV data set: Data set used in the illustration of MYNEW method in Section 4 (.txt file).

8 BibTeX

We encourage you to use BibTeX. If you have, please feel free to use the package natbib with any bibliography style you're comfortable with. The .bst file agsm has been included here for your convenience.

References

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