

# Report Generation

## ▼ Paper with code on sustainability

Papers with Code - Glitter or Gold? Deriving Structured Insights from Sustainability Reports via Large Language Models

Implemented in one code library.

<https://paperswithcode.com/paper/glitter-or-gold-deriving-structured-insights>



Papers with Code - CHATREPORT: Democratizing Sustainability Disclosure Analysis through LLM-based Tools

Implemented in one code library.

<https://paperswithcode.com/paper/chatreport-democratizing-sustainability>



Papers with Code - SmartBook: AI-Assisted Situation Report Generation

Implemented in one code library.

<https://paperswithcode.com/paper/smartbook-ai-assisted-situation-report>



## ▼ Glitter or Gold?

Report Understanding on sustainability reports, similar to ChatReport.

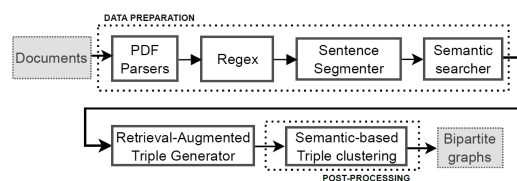
Task Description: Get structured information from sustainability reports in the form of PDF

<https://arxiv.org/pdf/2310.05628.pdf>

<https://github.com/saturnmars/derivingstructuredinsightsfromsustainabilityreportsvia largelanguagemodels>

### Some Important Points we can learn

- PDF pre-processing methods:
  - extract structured insights from sustainability reports;
  - sections segmentation.



**Figure 1: Our proposed approach and its components.** Given a collection of textual documents as inputs and preprocessed using different NLP methods, semantically structured insights are extracted by the retrieval-augmented triple generator. Bipartite graphs are created after performing a semantic-based triple clustering.

Pipeline

## ▼ SmartBook

Report Generation on **news**.

Task Description: given large volumes of news data, produce a structured report with multiple hypotheses (claims) summarized and grounded (linked) to sources with factual evidence.

<https://arxiv.org/pdf/2303.14337v2.pdf>

<https://github.com/blender-nlp/SmartBook>