

# Detection and Replacement of Implicit Subjects

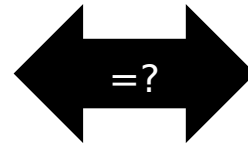
A rule-based approach

Lukas Rossi

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## Requirements

Personal data shall be accurate and, where necessary, kept up to date.



## Implementation

The user must update their data when it changes.

Personal data shall be processed [**by the controller**] lawfully, fairly and in a transparent manner in relation to the data subject.

Passive

After **selecting** a product...



After **the customer selects** a product...

Gerund

Select one.

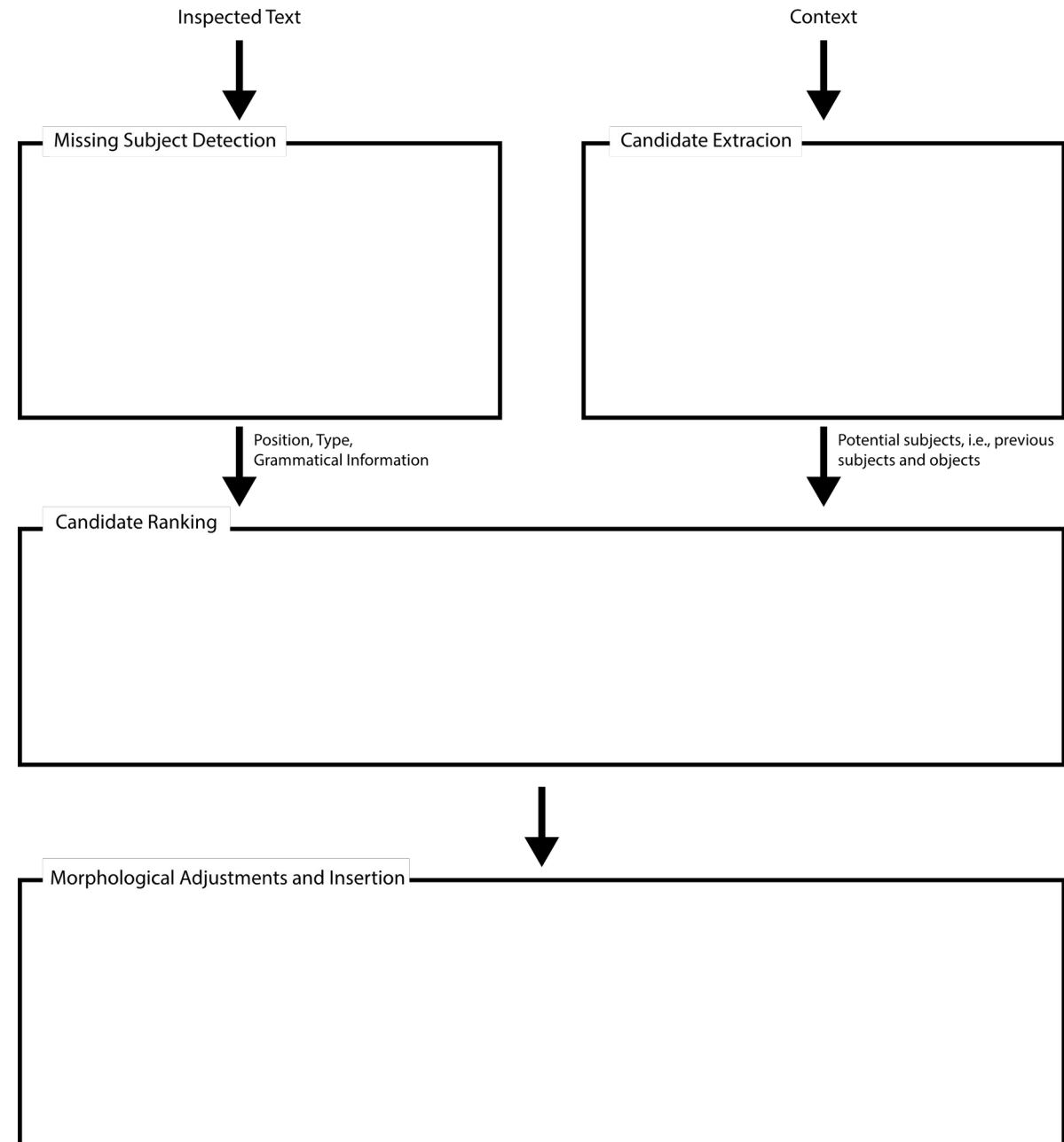


You select one.

Imperative

The purposes of the processing [**by the controller**] for which the personal data are intended as well as the legal basis for the processing.

Nominalized verbs



## Possible Candidate Ranking Metrics

(Imperative Pruning)

Perplexity

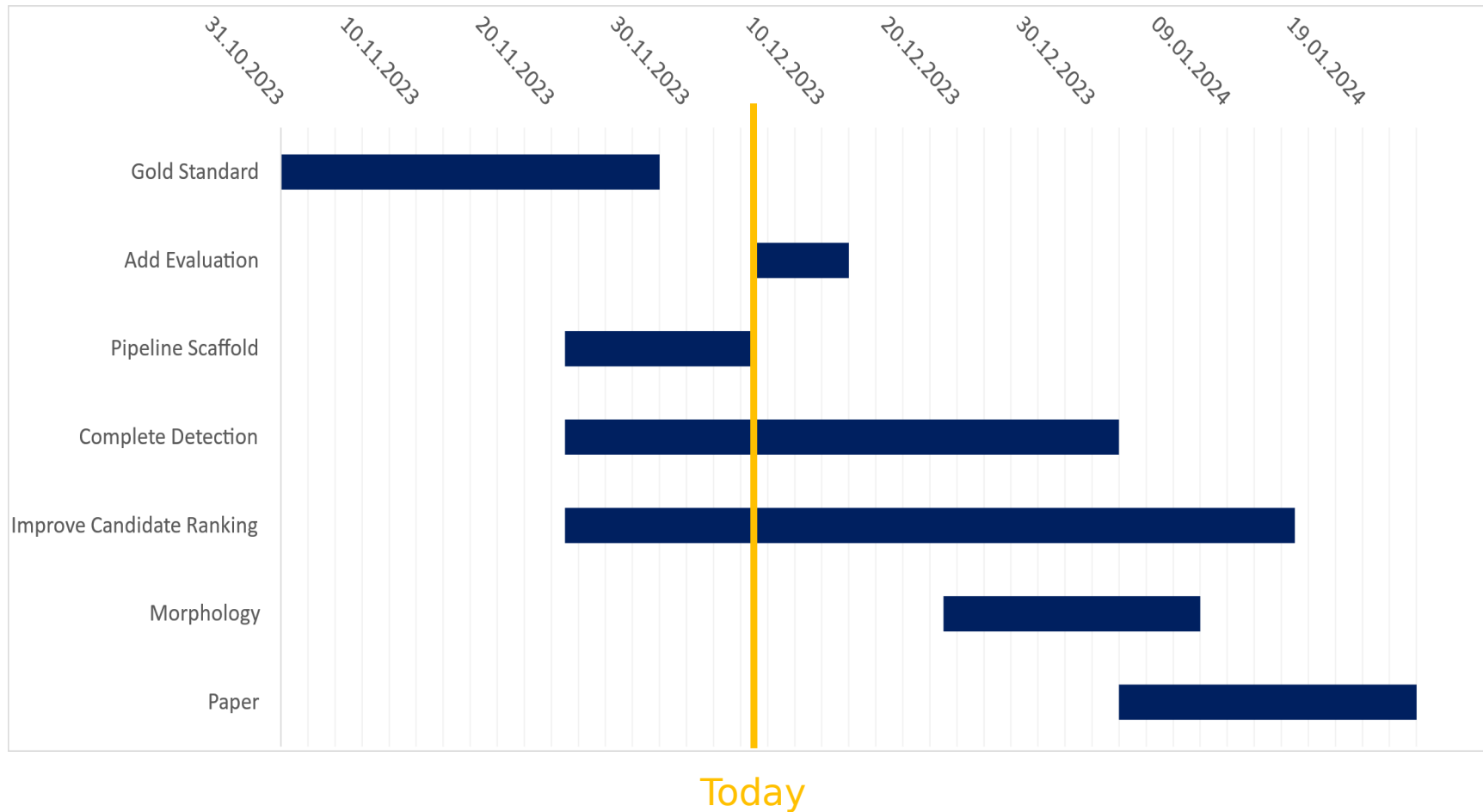
Similarity to existing facts

Physical Proximity

Importance in the context (e.g., TF-IDF)

...

# Project Plan



# Code

# Current Ranking Idea

- Perplexity Pruning,
- Extraction of agent, predicate, patient triplets from candidates
- Calculate pairwise similarity scores between the candidate triplets and the target concatenated with candidate
- If high similarity found match else fall back to proximity.