

Custom SAFE procedure Cheat Sheet

Fill in the blanks with your own models and parameters tailored to your review.



DATASET



MODEL



PRIOR KNOWLEDGE



STOPPING HEURISTIC(S)

SCREEN RANDOM SET

- Partly label the dataset to warm-up the AI model;
- Get an indication of the fraction of relevant records (FRR_T)

Random subset

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- Screen a minimum of % of the total number of papers;
- Find at least **one relevant record**.

ACTIVE LEARNING

- Find as many relevant records as possible

Complete dataset

Simple model classifier:

feature extractor:

Labeled records phase 1

- All **key papers** have been marked as relevant;
- At least **twice** the estimate of the number of relevant records (records) have been screened;
- A minimum of % of the total dataset has been screened.
- No extra relevant records have been identified in the last records.

FIND MORE USING DEEP LEARNING

- Ensure that records are not missed due to suboptimal choice of the active learning model

Complete dataset

Deep learning model classifier:

feature extractor:

Labeled records phase 1 and 2

- No extra relevant records are identified in the last records.

EVALUATE QUALITY

- Avoid incorrectly excluded relevant records

All records labeled as irrelevant

Simple model (see phase 2)

The 10 highest- and lowest-ranked papers from phase 2

- No extra relevant records are identified in the last records.