

# Exploiting free text in patient records to derive healthcare quality indicators

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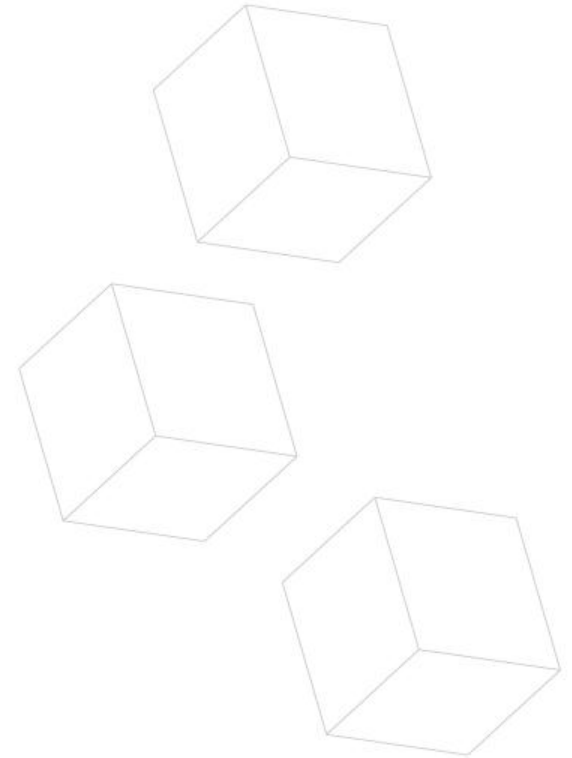
# | Goal

- Healthcare quality indicators quantify quality of care
  - e.g. “% of patients with successful operation”
  - Required by law
- Past: manually
- Now: automatically from structured data
  - Depends on quality of database!
- Goal: add unstructured data
  - Doctors reports



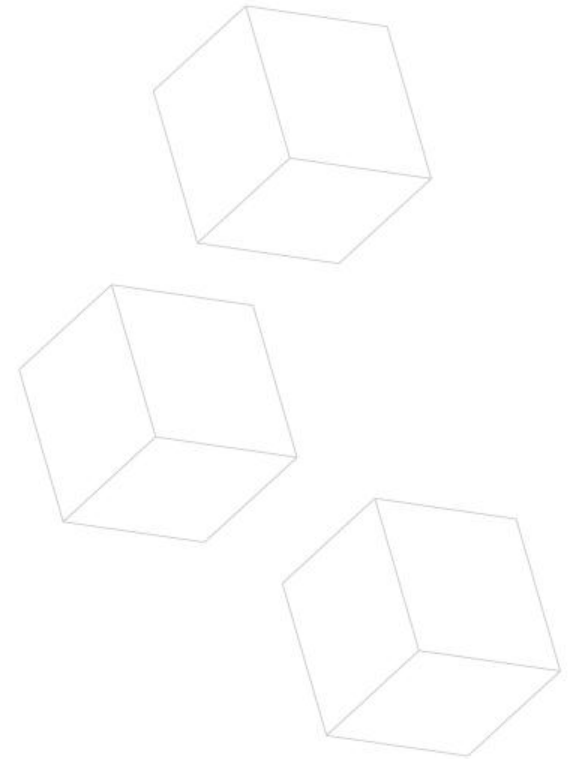
# | Research process

- Implement pipeline
  - From data to indicator value
- Tag structured data
  - Now 55%
  - Improve!
- Tag unstructured data
  - Find events in sentences
  - Match events against structured data
    - Improves tagging



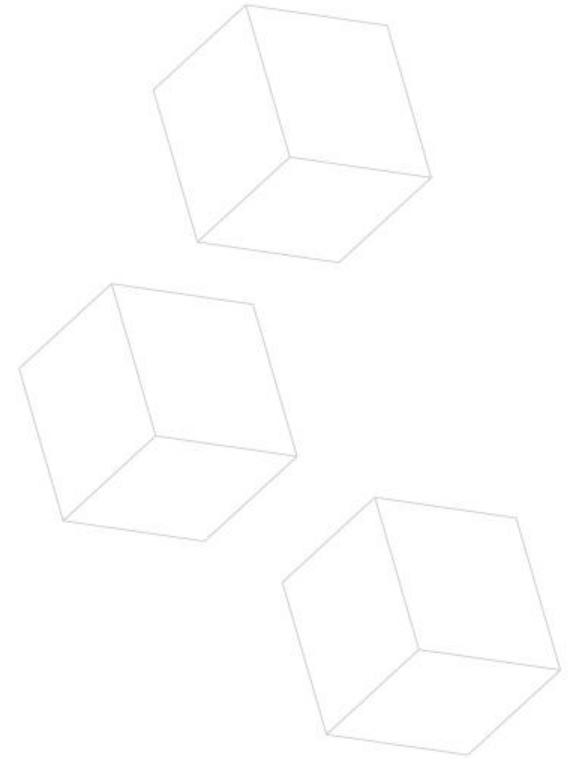
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# | Planning

- Planned delays because of thesis
- Half of work still to be done
- Finish: beginning of June





**Thank you for your attention!**