

Names

Participants

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Types of names

- Personal names:
 - Full name
 - Alternative names

Use cases

- Recognition
 - NER, Machine translation, business intelligence, search, identity resolution, segmentation
- Display
 - Sorting, contextual usage: Short, Informal, Full name (formal, postal name), inflexions, auto-completion, segmentation, automatic abbreviation, text-to-speech
- Capturing
 - Transliteration, speech-to-text, input-form-input

Use cases

- Business intelligence: Recognize the name in the text
 - NER, NED (identity resolution)
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- Display: generating names
 - Short, Informal, Full name (formal, postal name), inflexion
- Segmentation of names (line-wrapping)
- Matching
- Auto-completion
- Translation, transliteration (between alphabets, using same alphabet)
- Sorting (given names, last names)
- Text-to-speech

Problems

- Input, capturing, forms (keep the context to be able to reproduce the sound again), representation (endonym, exonym, alternative names, preferred, ...)
- Display
 - Familiarity, formality, context, inflexion (language dependent)
- Recognition
 - NED, NER, matching, normalization, canonization
- Search (input + recognition)
- Aliases, alternative names, abbreviations, preferred names

Information out of the names

- Structure of the name;
 - What are the semantics of each component
 - Gender,
 - Origin (chinese, roman, islandic)

Problem

- Sorting:
 - How to recognize the tokens, and use them to sort
- Segmentation:
 - how to recognized suitable break points
- Alternative names: recognition, capturing
- Component names:
- Usage: formal, informal

Possible approaches

- Name structure is language (cultural?) dependent
 - Changes in time
 - German, when getting a university degree
 - Spanish, when marrying