

Sampling Criteria for ELTeC – Proposal

COST Action Distant Reading
WG 1 expert meeting 2018-02-13 Prague



① Task

② Method

③ Representativeness

④ Balance

⑤ Sampling Criteria

Outline

- 1 Task
- 2 Method
- 3 Representativeness
- 4 Balance
- 5 Sampling Criteria

Defining our tasks

- Defining selection criteria
- Developing guidelines for data and metadata
- Creating a workflow for corpus preparation
- resulting in three detailed proposals

proposals available at

<https://github.com/distantreading/distantreading.github.io>

Defining our tasks

- Developing criteria for corpus design means to decide which kind of sample of the world shall be included in the data base.
- Finding a compromise between what we would like to have in the corpus (all literature) and what we can put in the corpus (sample)
- *It is a truism that there is no such thing as a good or a bad corpus, because how a corpus is designed depends on what kind of corpus it is and how it is going to be used.* (Hunston 2008, p. 155)

Goal

- Creating a benchmark corpus
 - Allow for the creation of individual subcollections/subsets of the corpus by COST Action members or others
 - Individual subcollections are necessary in order to allow every COST Action member to sample sub-collections from the ELTeC for specific tasks and research questions
- Clear, operationalized, transparent and motivated selection criteria

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Basis for text selection

- Canon-based corpus design vs. metadata-based corpus design
- Differences in motivation of criteria, text definitions and perspectives on literature in Europe

Motivation for text selection

- Canon-based
 - A portrait of someones prestigious social, cultural, economic status reflecting normative self-promotional legitimating and rating decisions (Algee-Hewitt and McGurl 2015; Beilein et al. 2011; Herrmann 2011)
- Metadata-based
 - Follows a research question or context and is therefore more research goal oriented (Hunston 2008; Lüdeling 2011)

Canons

- Varieties of canons
 - For each language
 - For each cultural context
 - Reflect different prestigious groups (e.g. publishers, authors and readers)
 - Multi-relational decisions and ratings
 - Intellectual rating, economical rating or readers rating
- Change over time, reflect different interpretations of famous, important or influential texts
- Not overall comparable, not categorial

Metadata-based corpus design

- Oriented towards research question or/and contexts
- Defined by a distinct set of relevant metadata (bibliographic, technical, administrative)
- Sampling instances of a population
- Selection without reading the texts

Goal of the Action

The main aim and objective of the Action is to This Action will develop the resources and methods necessary to change the way European literary history is written. (MoU, p.2)

- Canons provide traditional and normative access to the history of literature.
- *The current canon sets limits to our understanding of literature, in several ways* (Fowler 2002, p. 214)
- Choosing between canons can then mean choosing between tastes of (current and past) literature (in past and present)
- Metadata-based corpus design allows to create a new perspective on novels on Europe.

Different texts definitions

- Different ways of considering the actual texts
 - Consider the manifestation or the extension or the work of a text (cf. IFLA 2009)
 - A canon can contain an extension of a certain text which is available in different languages and prints.
 - Ontologically, these different levels of text are different from what a text in a corpus might be (van Zundert and Andrews 2017).
- Data is ontologically different from the world. (Moisl 2009, p. 876)
 - Digitization is a kind of annotation, hence interpretation (Odebrecht et al. 2017).

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Representativeness

- *Representativeness refers to the extent to which a sample includes the full range of variability in a population.* (Biber 1993, p. 243)
- Is not an innate quality, like colour or weight
- Requires knowledge about the whole population of literature
- No knowledge about every book of every language published/read/discussed in Europe in the period in question
- *impossible to identify a complete list of categories that would exhaustively account for all texts produced in a given language* (Hunston 2008, p. 161)

Representativeness

- Basic Question: Would we like to use each criterion, with the intention to represent the variety of possible values, or should the sample represent the distribution of those values across the population?
- Distribution means to represent the population statistically
- Variety means to represent of possible features of the population
- Proposal: Represent the variety of possible values for each parameter, and hence aim for approximately equal proportions for each of them

Balance

- Control the proportion of texts in a collection concerning one or more features
- Decide which feature is balanced in which way
- One feature can interplay with other features
- Following the approach of representing variety of a population

Balance

- Defining the main feature for balancing
- Defining the relation between these features
 - For example balancing gender over the whole period or balancing gender in sub-periods
 - e.g., equal number of male and female authors in the whole period (potentially more female authors at the end of the period)
 - e.g., equal number of male and female author in sub-periods such as decade (potentially equal number of gender in every decade)

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Requirements according to the MoU

- Languages: Dutch, English, French, German, Greek, Italian, Polish, Portuguese, Russian, Spanish (ELTeC core)
- Homogeneous with respect to genre
- Balanced with respect to language

Requirements for criteria – interim summary

- Clear, operationalizable
- Represent the variety of the population
- Decidable without reading the novel
- Text-external and text-internal criteria
- Comparable

Criteria – text definition

- Including only first editions of a novel published as a book
 - No translations
 - Excluding publications in journals
 - Prefer electronically available texts (no funding for digitizations)
- First editions are free (no copy right issues)
- First editions are interesting from a philological point of view (might require additional normalizations, next steps)
- Books are comparable, printed full text (no potential text excerpts in different journal editions)

First list of criteria

- Language
- Date
- Reprint
- Author Gender
- Length
- Kind of novel/topic

- Defining sub-periods
- group A (1850-1863)
- group B (1864-1877)
- group C (1878-1891)
- group D (1892-1905)
- group E (1906-1920)

Language

- First iteration: 6 subcollections (100 novels per language) 1850 to 1920 starting with British, French, Spanish, German, Greek, Polish
- Second iteration: 4 subcollections (100 novels per language) 1850 to 1920
- Third iteration: 6 subcollections in additional languages and subcollections for all 16 languages 1780-1850

Reprint count

- Low: reprinted less than 10 times
- Medium: reprinted 10 to 100 times
- High: reprinted more than 100 times

Gender

- male
- female
- mixed (undefined, more than one author)

Length

We should maybe try to include a variety of lengths

- short (less than 5000 words)
- medium (5000 to 20000 words)
- long (more than 20000 words)

Balancing example

Table 1: Minimum and maximum numbers of titles to be selected for each criterion

Language	Date	Reprint	Author
80-120	20	5-10	5-8

Topic/Genre

- We may try to include a variety of genre/topic?
- Or include this category in the metadata?
- Difficult criterion, depending on scholars, normative theoretical definitions
- *texts that theory currently identifies as novels were before not circulated and understood as novels*
 - Classifications in bibliography, e.g. keywords
 - others?

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Ready for discussion!

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