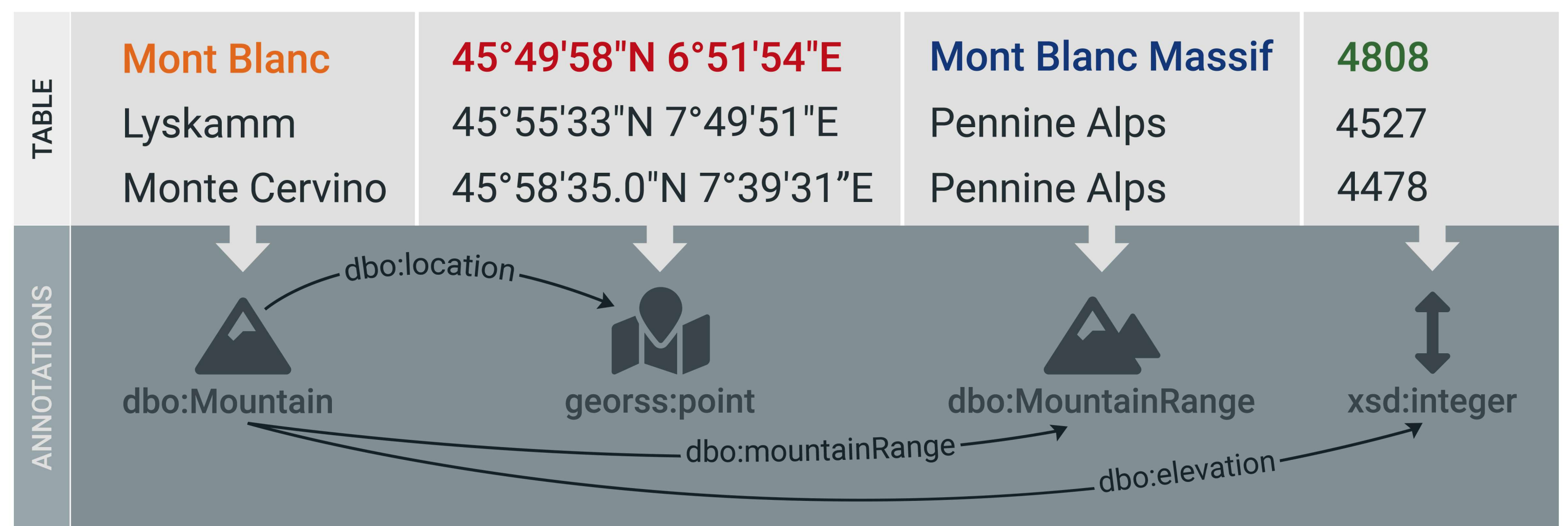


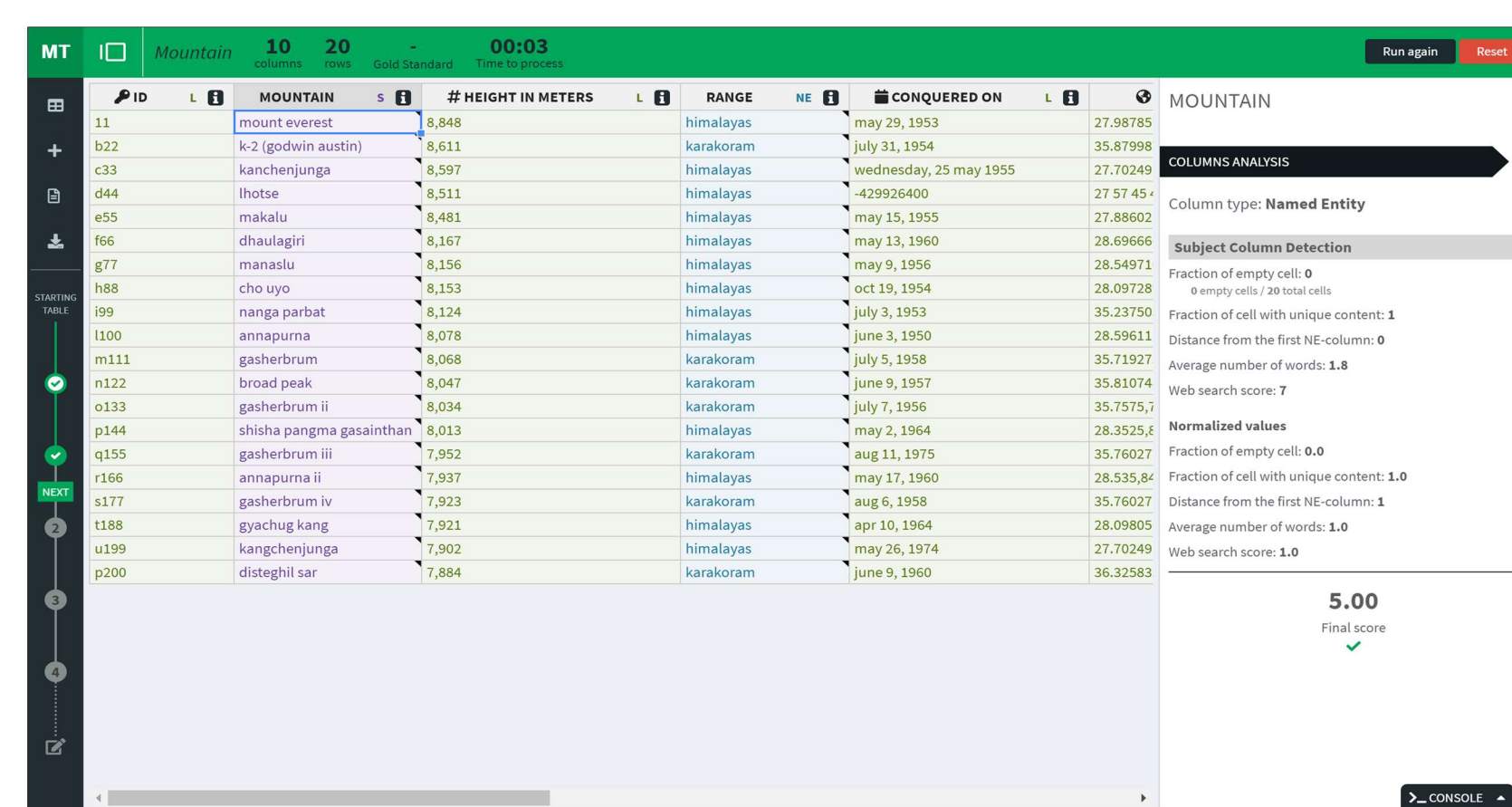


MAIN PROCESS

0 DATA PREPARATION

[illegible]

COLUMN ANALYSIS



CONCEPT AND DATATYPE ANNOTATION

17 20		90:55		Knapen		100%
MT	CD	HT	MODT	HT	HT	CONQUERED ON
14	1	1	1	1	1	1
15	1	1	1	1	1	1
322	1	1	1	1	1	1
323	1	1	1	1	1	1
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398	1					

PREDICATE ANNOTATION

[illegible]

IDENTITY LINKING

[illegible][illegible]

- removal of HTML tags and stop words
- transformation of the text into lowercase
- resolution of acronyms and abbreviation
- normalization of units of measurement by applying regular expressions

- Detection of **L-columns** by 16 regular expressions to identify regextype (e.g., geo coordinate, address, hex color code, URL)
- Detection of **S-column** considers different statistic features

- Retrieval of a set of **candidate entities** performing the **entity-linking** by searching the Knowledge Graph with the content of a cell
- Retrieval of **abstract** and **concepts** for each item in the set of retrieved entities
- Application of heuristics for the identification of the most frequent **concept** of the column

- The winning concept of the **S-column** are considered as the **subject** of the relationship and annotations of the other columns as **objects**
- The Knowledge Graph is searched for the subject and the object to collect possible predicates

- Already discovered annotations are used to create a query for the **disambiguation of the cell content**
- If more than one entity is returned for a cell, the one with a smaller edit distance is taken

