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GioQoSo

AN ON-LINE QUALITY EVALUATION TOOL FOR MEI SCORES

Vincent Besson • David Fiala • Philippe Rigaux • Virginie Thion

> DATA QUALITY ISSUES

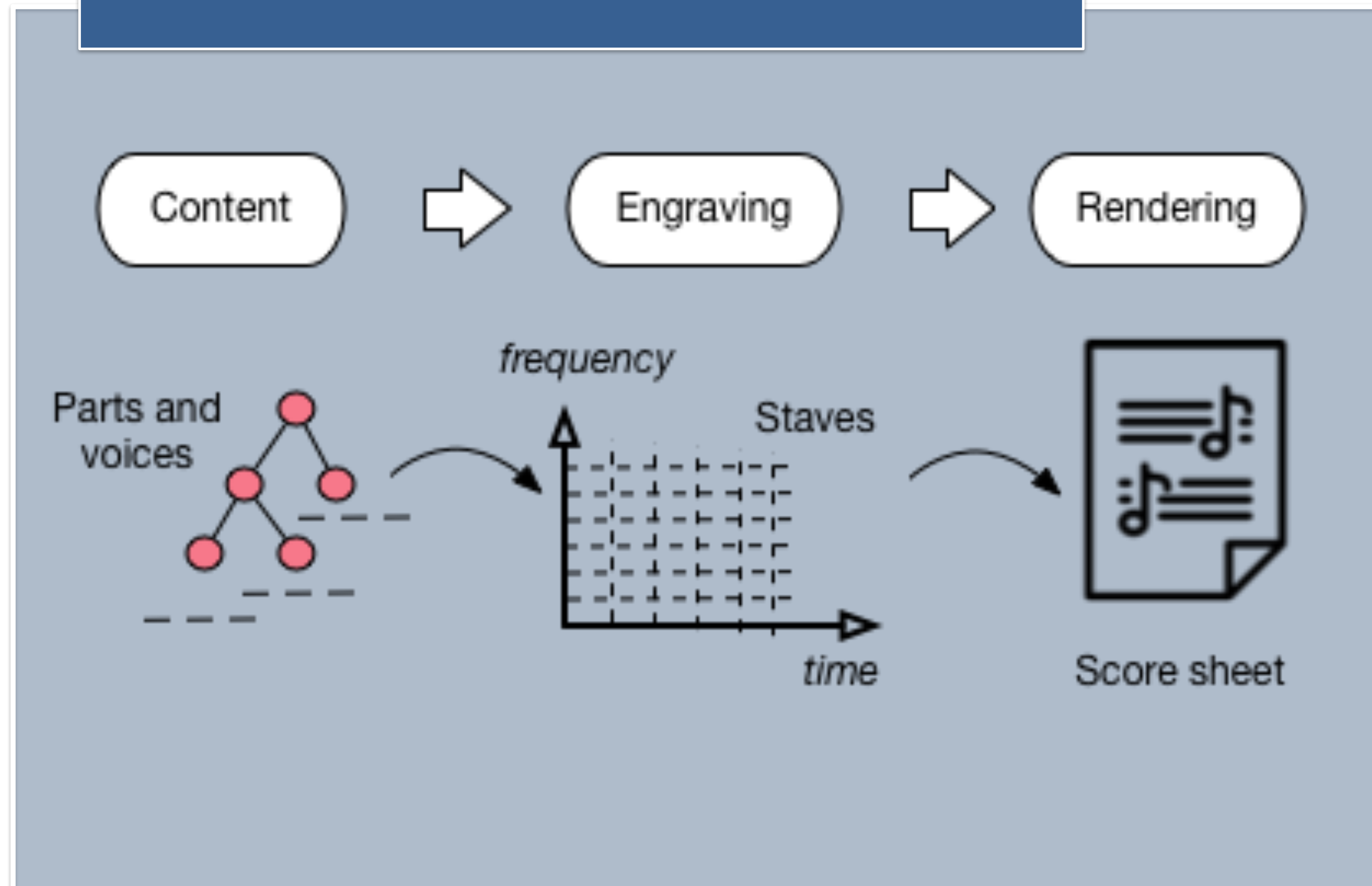
Data Quality Problems

Validity	Measure durations, voices and parts synchronization
Consistency	Heterogeneous notations, high variability in meta-data, undetermined or inconsistent editorial rules
Completeness	Missing notes, directives, ornamentation, slurs or ties
Accuracy	Music, lyrics

Quality Assessment



> DATA QUALITY MODEL



> IMPLEMENTATION

The screenshot shows the 'Quality dashboard' for a musical score. It includes a search bar for entering a URL, a 'Quality Concepts' sidebar with checkboxes for various issue types (e.g., Metadata issues, Composer, Copyright, Title, Missing lyrics, Structural issues, Voices issues, Score rendering issues, Beaming, Staves organization), and a main area displaying the musical score with highlighted notes and lyrics. An 'Info box' provides details for a specific note, and an 'Annotate event' button is visible.

> DATA QUALITY METRICS (EXAMPLES)

Examples: score content issues

Measures filled and complete?
All parts have equal length
Consistent encoding of voices
Lyrics correctly encoded?
Lyrics / music association
Etc.

Examples: score engraving issues

Voice / staves assignment
Beaming issues
Inconsistent key signatures
Etc.