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Gioqoso, an Online Quality Evaluation Tool for MEI Scores

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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

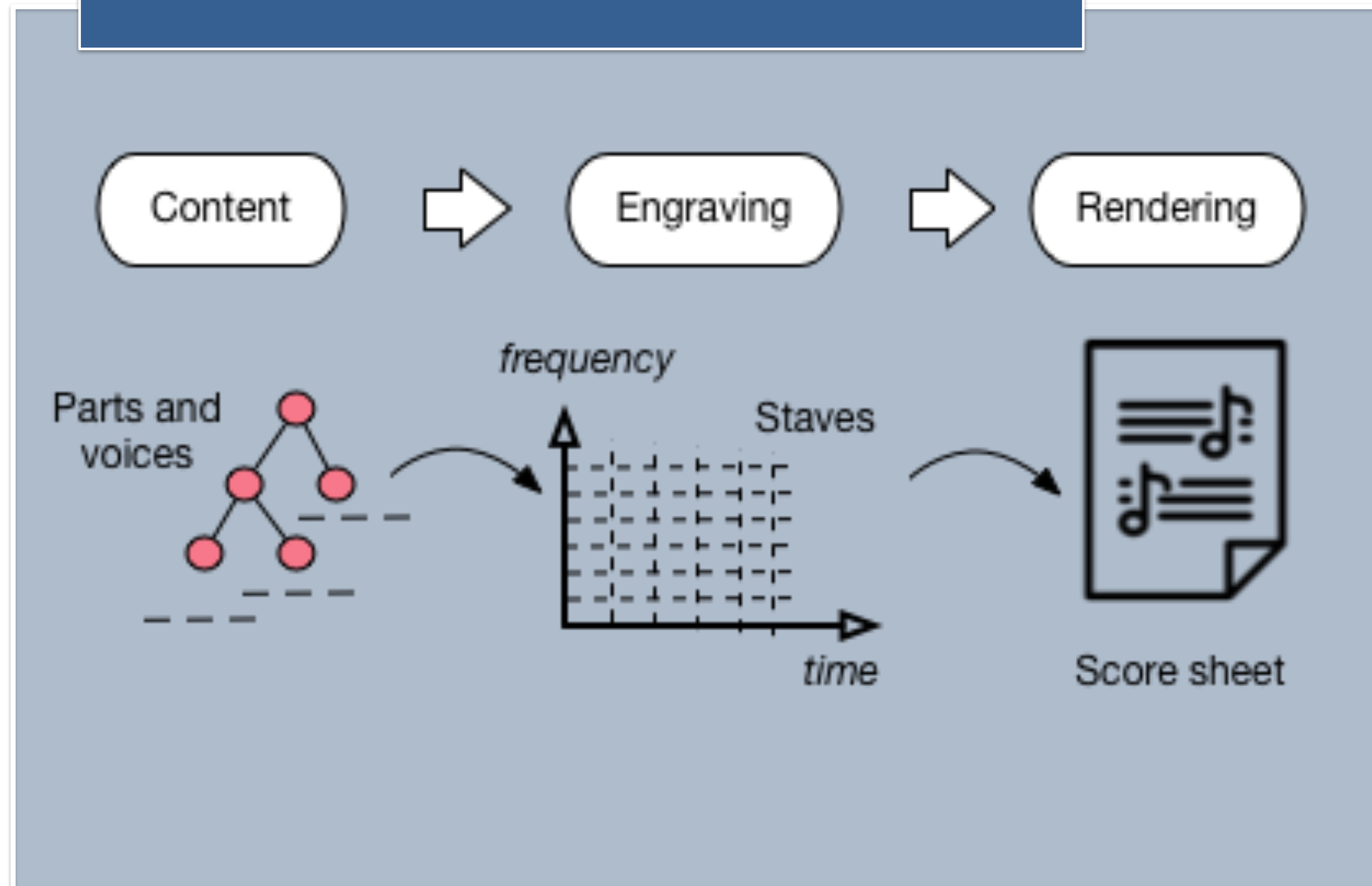
Data Quality Problems

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



> 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.

> IMPLEMENTATION

The screenshot shows the 'Quality dashboard' for a musical score. It includes a search bar with the URL 'http://www.digitalduchemin.org/mei/DC0101.xml', a 'Menu' and 'Connexion' header, and a 'Quality Concepts' sidebar with categories like 'Metadata issues', 'Composer', 'Copyright', 'Title', 'Missing lyrics', 'Structural issues', 'Voices issues', 'Score rendering issues', 'Beaming', and 'Staves organization'. The main area displays a musical score with a timeline and an 'Info box' for a specific note.