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
- **Modeling Score quality**
- **Adding quality metrics in the data model**
- **Implementing quality assessment**

> 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.

> DATA QUALITY MODEL

Content → Engraving → Rendering

Parts and voices

Score sheet

> IMPLEMENTATION