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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

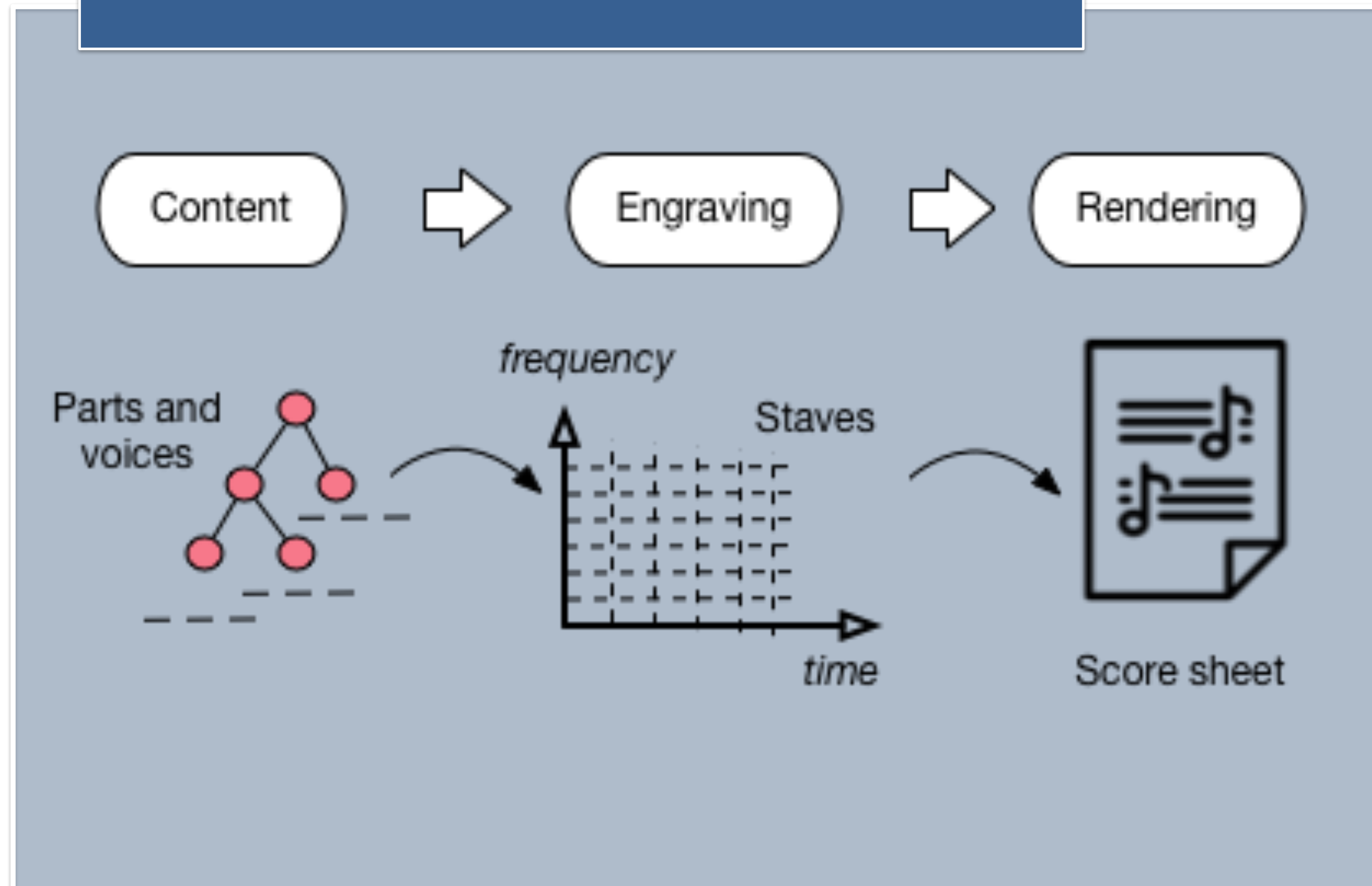
#### Data Quality Problems

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

#### Quality Assessment



### > DATA QUALITY MODEL



### > IMPLEMENTATION

The screenshot shows the web application interface. It includes a 'Quality dashboard' with a search bar for entering a URL of a valid MusicXML or MEI score. Below the search bar is a musical score for Soprano, Contraltino, Tenor, and Bass. The interface also features a 'Quality Concepts' sidebar with a list of issues like 'Missing lyrics', 'Structural issues', and 'Voices issues'. An 'Info box' and an 'Annotate event' section are also 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.