Methodology Overview

**MusicBrainz Database
(Raw PostgreSQL Dumps)**

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**Data Preparation
• Schema-on-Read
• Semantic Filtering (link_type 69, 231)
• Multi-table Joins**

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**Music Sampling Graph
(Parquet Storage)**

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Analysis Phase

**Volume Analysis
(Degree Centrality)**

**Authority Analysis
(PageRank)**

**Community Detection
(Label Propagation)**

**Validation & Results
• Statistical Metrics
• Visualizations
• Quality Assessment**

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**Research Insights
• Video Game Music → Hip Hop
• Authority vs. Volume
• Genealogical Families**