

# GRAPHICAL MODEL: LYRIC-BASED GENRE CLASSIFICATION

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## 1. TOPIC DISTRIBUTION OVER GENRES USING LDA

To model topic distributions over genres, the dataset is split into the individual genres. Then, for each genre topic distributions per document are averaged, to provide a final topic distribution over genres.

## 2. PLATE DIAGRAM

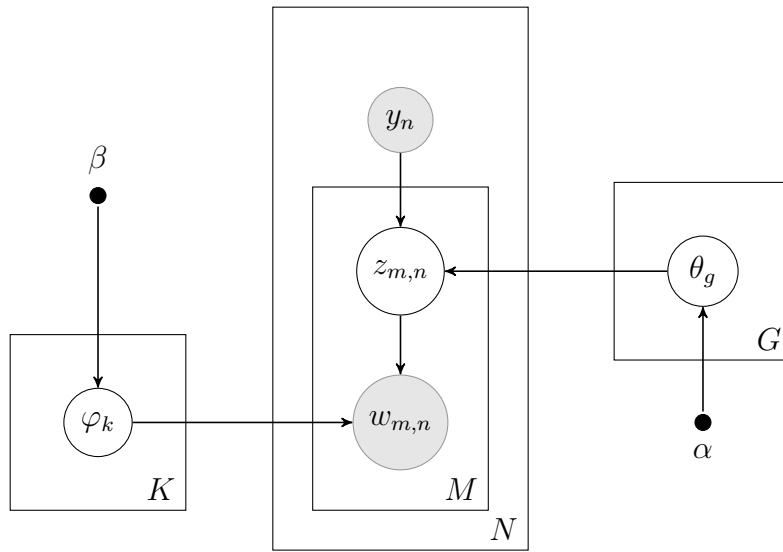


FIGURE 1. Graphical model