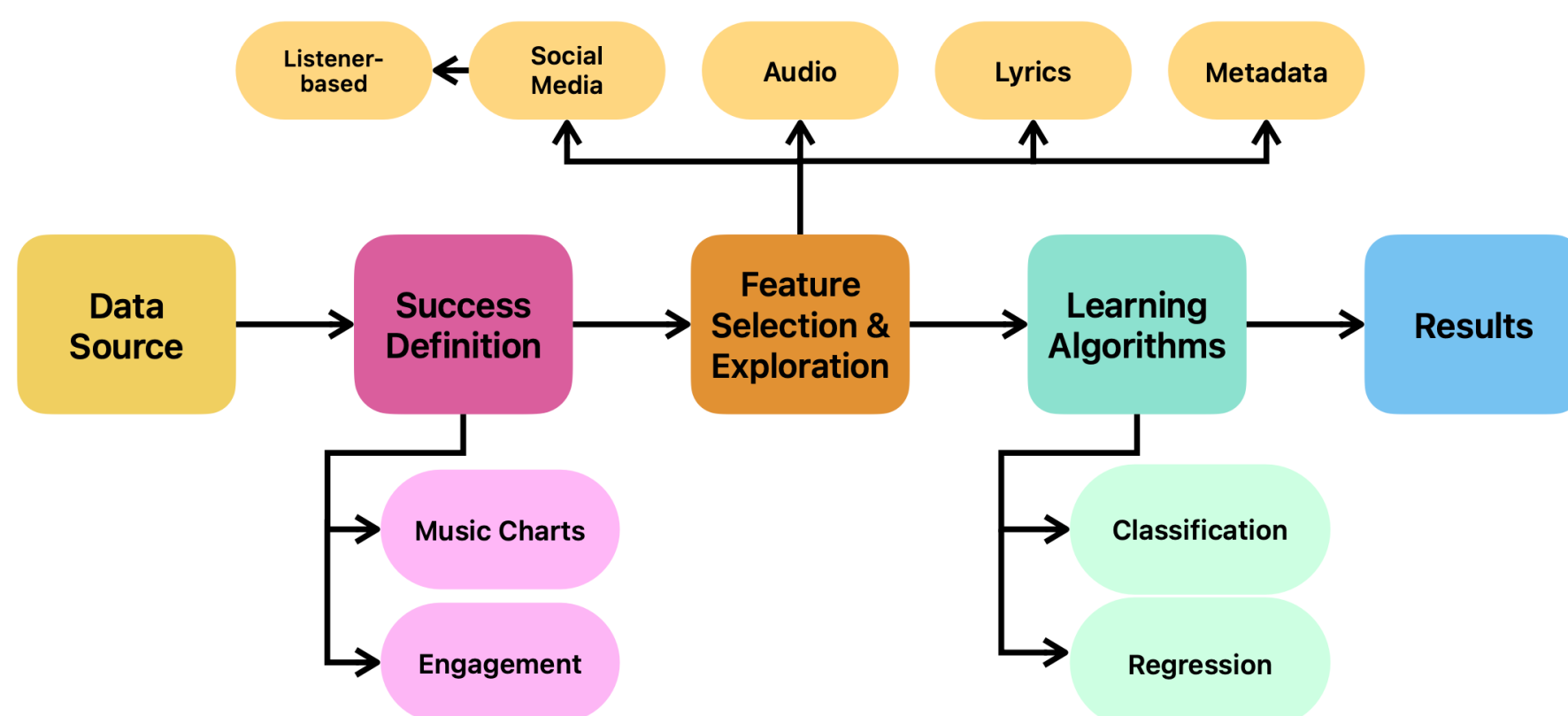# Predicting hit songs: multimodal and data-driven approach

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Hit Song Science: Generic Workflow

Finding

The experiment on predicting chart success of songs based on lyrics found that lyrics affect a song's chart longevity, but not necessarily its peak position. Key features were n-gram repetitiveness and vocabulary richness (type-token ratio). Better classification was achieved by focusing on the dataset's extremes —very popular and very unpopular songs.

Question

I'm searching for refined audio features that best capture how we perceive popular music. I want to move beyond Spotify's audio features, Essentia's music extractor (low-level, rhythm, and tonal features), and Mel-spectrograms. Any suggestions are welcome. Thank you!

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