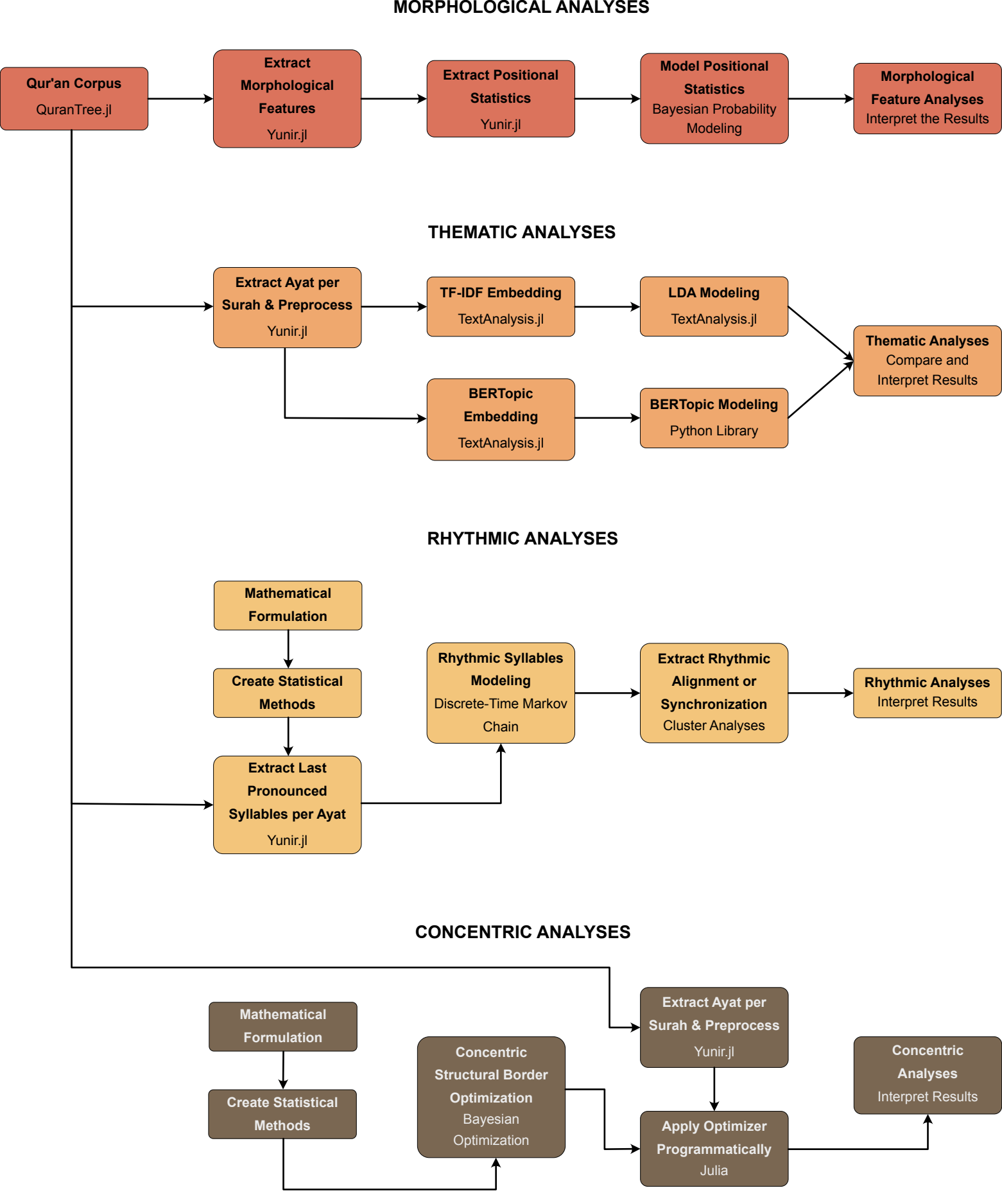
MORPHOLOGICAL ANALYSES
Qur'an Corpus
QuranTree.jl
Extract Morphological Features
Yunir.jl
Extract Positional Statistics
Yunir.jl
Model Positional Statistics
Bayesian Probability Modeling
Morphological Feature Analyses
Interpret the Results
THEMATIC ANALYSES
Extract Ayat per Surah & Preprocess
Yunir.jl
TF-IDF Embedding
TextAnalysis.jl
LDA Modeling
TextAnalysis.jl
BERTopic Embedding
TextAnalysis.jl
BERTopic Modeling
Python Library
Thematic Analyses
Compare and Interpret Results
RHYTHMIC ANALYSES
Mathematical Formulation
Create Statistical Methods
Extract Last Pronounced Syllables per Ayat
Yunir.jl
Rhythmic Syllables Modeling
Discrete-Time Markov Chain
Extract Rhythmic Alignment or Synchronization
Cluster Analyses
Rhythmic Analyses
Interpret Results
CONCENTRIC ANALYSES
Mathematical Formulation
Create Statistical Methods
Concentric Structural Border Optimization
Bayesian Optimization
Extract Ayat per Surah & Preprocess
Yunir.jl
Apply Optimizer Programmatically
Julia
Concentric Analyses
Interpret Results