

## Software Usage

### Overview

Jocx is a parameterized model inference framework based on hidden Markov models. It's constructed on the foundation of coalescence theory with the key approximation that the distribution of local genealogies is Markovian along the sequence alignment. It combines CoalHMM modeling and several black-box style optimization subroutines with a special focus on heuristic-based evolution optimizers. The software package is available on GitHub at the following URL.

verbatim <https://github.com/jade-cheng/Jocx.git>