

Date of Study

Feb 2021 - present

Date of Public Archiving:

Not Applicable, Phenological data from Vassal (maybe also from other sites) are private

Last Modified:

31 March 2025

Goal

Assess thresholding behaviour in winegrape growth from flowering to veraison with a modified survival model and investigate varietal differences

Contributors

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Computation: Tolu Amuwo (2023), Hoai Huong Nguyen Phan (Sylvia) (2022, 2024), Britany Wu (2024)

Early Model Development: Faith Jones, Geoffrey Legault (2021)

General Files

File	Where	What
Project Documents	GitHub repo survin: docs/	Notes on analysis based on Mike’s modified survival model

Data and Code

Main workspace in GitHub repo survin: <https://github.com/lizzieinvancouver/surv>
Big data files (indicated separately below) in midge

File	Where	What
Data	GitHub: analyses/input and data/	Phenological and climate data from various sources
Data Formatting Code	GitHub: analyses/data_formatting/	Code to format phenological and climate data
Models	GitHub: analyses/stan/	Model-fitting Stan scripts

File	Where	What
Model-fitting Code	GitHub: analyses/fit_models.R	R code to prepare data and fit models
Checks	GitHub: analyses/checks	Code used to test model-fitting scripts
Code from Mike	GitHub: betabank/	Code from Mike
Data Options	GitHub: analyses/dataexplore/	Checking available data for fitting
BC Data Fitting	GitHub: analyses/bcdatapriors/	Model fitting with previous versions of Mike's model using BC data
Past Fitting	GitHub: analyses/one_site_models_2024/	Model fitting with complete pooling approach using logistic model with unconstrained parameters
Past Approaches	GitHub: zarchive/	Work before May 2022 and some data fitting using Mike's model before Jan 2024