*Date of study: November 2019*

*Date of public archiving*: **September 2024**

*Last modified*:

December 15, 2023

*Goal*

To collect phenology budburst data for 21 dominant woody species in British Columbia, Canada.

*Contributors:*

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*General files*

| **Files** | **Where** | **What** |
| --- | --- | --- |
| dailylog\_dl\_2019\_fall.txt | [Github](https://github.com/DeirdreLoughnan/pheno_bc/blob/master/Notes/dailylog_dl_2019_fall.txt) | Daily notes on both the sample collection and experiment |
| Detailed\_methods\_phenology.tex | [Github](https://github.com/DeirdreLoughnan/pheno_bc/blob/master/Notes/Detailed_methods_phenology.tex) | Methods used for experiment and sample collection |
| bc\_phenology.csv | [Github](https://github.com/DeirdreLoughnan/pheno_bc/tree/master/input) | Cleaned phenology data |
| pheno\_data | [Github](https://github.com/DeirdreLoughnan/pheno_bc/tree/master/pheno_data) | Folder with raw datafiles |
| README | [Github](https://github.com/DeirdreLoughnan/pheno_bc/blob/master/README.md) | Outline of repo and experimental aims |

*Data and Code*

**Github**

[Github pheno\_bc](https://github.com/DeirdreLoughnan/pheno_bc)

| **Files** | **Where** | **What** |
| --- | --- | --- |
| indiv.no.cleaned.csv | [Github](https://github.com/DeirdreLoughnan/pheno_bc/tree/master/input) | List of tagged sample number branch taken from |
| test\_phenobcdata.csv | [Github](https://github.com/DeirdreLoughnan/pheno_bc/tree/master/input) | Test data for model |
| raw/ | [Github](https://github.com/DeirdreLoughnan/pheno_bc/tree/master/pheno_data) | Includes all files from each day of observations in their unaltered state |
| typos\_cleaned/ | [Github](https://github.com/DeirdreLoughnan/pheno_bc/tree/master/pheno_data) | Includes all files from each day of observations that have been cleaned of typos |
| day.of.bb.csv | [Github](https://github.com/DeirdreLoughnan/pheno_bc/tree/master/input) | Dataset of calculated day of budburst for terminal and lateral buds |
| SBphylo\_phenobc.tre | [Github](https://github.com/DeirdreLoughnan/pheno_bc/tree/master/input) | Phylogeny of species pruned from Smith et al. (2018) |
| rcode/cleaning/cleaningcode.R | [Github](https://github.com/DeirdreLoughnan/pheno_bc/tree/master/rcode/cleaning) | Code used to clean the observation data and produce bc\_phenology.csv |
| rcode/cleaning/pheno\_bb\_calc.R | [Github](https://github.com/DeirdreLoughnan/pheno_bc/tree/master/rcode/cleaning) | Code used to calculate the day of bb and produce day.of.bb.csv |
| pheno\_bb\_fixingrepno.R | [Github](https://github.com/DeirdreLoughnan/pheno_bc/tree/master/rcode/cleaning) | Adding the correct rep number for each sample |
| cleaning.indivno.R | [Github](https://github.com/DeirdreLoughnan/pheno_bc/tree/master/rcode/cleaning) | Cleaning and combining list of individuals sampled from those tagged |
| randomizing\_Oct25.R | [Github](https://github.com/DeirdreLoughnan/pheno_bc/tree/master/rcode) | Rcode for randomly assigning samples to treatments |
| bc\_bb.analysis\_dldf\_continuous.R | [Github](https://github.com/DeirdreLoughnan/pheno_bc/tree/master/rcode) | R code for running main model |
| bc.bb.stan | [Github](https://github.com/DeirdreLoughnan/pheno_bc/tree/master/stan) | Stan model based on DF model |

