Vitis RMI Phenology

*Date of study*

April 2014 - present

*Goal*

Monitoring the timing of phenological stages (budburst, flowering veraison, and brix) for a set of about 150 varieties of grapevines (*Vitis vinifera*) in the teaching collection at the Robert Mondavi Institute, Davis, California.

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*General Files*

| **File** | **Where** | **What** |
| --- | --- | --- |
| Overview and sampling protocol | [Google Drive](https://drive.google.com/drive/u/0/folders/0B5X09FDNso9jRHA4VUpURDk3RWs) | Background, overview of design, and protocol for data collection |

*Published data*

Some of the means by variety from 2015 were published on KNB as: [Elizabeth Wolkovich. 2017. Variety phenology. Knowledge Network for Biocomplexity. doi:10.5063/F1RF5S05.](https://knb.ecoinformatics.org/view/doi:10.5063/F1RF5S05)

*Data and Code*

Github: [https://github.com/lizzieinvancouver/vin/davis](https://github.com/lizzieinvancouver/vin/tree/master/davis)

| **File** | **Where** | **What** |
| --- | --- | --- |
| Phenology Form Blank | [Google Drive](https://drive.google.com/drive/u/0/folders/1o3SruJ5yhxoCRv9nXFu00d9SRPkUE_hF): Vitaceae/data | Link to 2019 data sheets (filled out). |
| RMI data | [Google Drive](https://drive.google.com/drive/u/0/folders/0B3mqIwM06lEDNUZnajBiX281eHc): Vitaceae/data  See also: [Github](https://github.com/lizzieinvancouver/vin/tree/master/davis/data) | Raw data files from phenological observations at RMI in 2017, 2018, 2019 (Google Drive). Years 2014-2019 (Github). |
| Davis2009phendates.csv  Davis\_Germplasm\_2009.xls | [Github](https://github.com/lizzieinvancouver/vin/blob/master/davis/analyses/input/winters/Davis2009_phendates.csv): analyses/input/winters  [Github](https://github.com/lizzieinvancouver/vin/blob/master/davis/data/winters/Davis_Germplasm_2009.xls):  data/winters | Winters phenology data  20 Nov 2019: It appears Davis2009phendates.csv is derived from the file Davis\_Germplasm\_2009.xls |
| brixx22\_est\_2014.csv  brix22\_est\_2015.csv  budburst\_est\_2014.csv  budburst\_est\_2015.csv  budburst\_est\_2016.csv  budburst\_est\_2017.csv  budburst\_est\_2018.csv  flower50\_est\_2014.csv  flower50\_est\_2015.csv  flower50\_est\_2016.csv  flower50\_est\_2017.csv  flower50\_est\_2018.csv  leafout\_est\_2014.csv  leafout\_est\_2015.csv  leafout\_est\_2016.csv  leafout\_est\_2017.csv  leafout\_est\_2018.csv  ver50\_est\_2014.csv  ver50\_est\_2015.csv  ver50\_est\_2016.csv  ver50\_est\_2017.csv  ver50\_est\_2018.csv  ZDavis.data.4climatefuture.csv | [Github](https://github.com/lizzieinvancouver/vin/tree/master/davis/analyses/output): analyses/output | Estimates of brix, budburst, flowering and veraison from 2014 - 2018 growing seasons.  ZDavis... appears to be a derived table containing mean DOY for budburst, flowering, and veraison for different varieties (years 2014-2016) |
| Code | [Github](https://github.com/lizzieinvancouver/vin/tree/master/davis/analyses): davis/analyses | All R code  Note: An older link went [here](https://github.com/lizzieinvancouver/buds/tree/master/analyses) |

\* Note as of 12 March 2018: Lizzie checked what was left on Teamwork, nothing important. She pulled the notes and put them on her computer (see Vitis as of 12032018.xls in vin/notposting/teamwork\_leftovers).