

Edwin B. Royce: Snowmelt variation contributes to topoclimatic refugia under montane Mediterranean climate change. Canadian Journal of Forest Research, <https://doi.org/10.1139/cjfr-2018-0284>

This package includes the snow model used in the analysis, together with the cover data by tree species.

Royce_Read-Me.pdf: This read-me.

Royce_Snow_Model.pdf: A complete description of the snow model and its development, extracted from the online supplemental material to the paper.

Royce_Snowpack_Model.jmp and **Royce_No-Snow_Model.jmp:** the two JMP spreadsheets that contain the implementing coding for the snow model. The coding may be viewed by double clicking the top of each column. Also included on each of these spreadsheets is the cover data by tree species. This allows analyzing the cover data against any of the climate variables calculated in the model. The user may also delete this data and enter his/her own data for analysis against the climate variables.

The first column of each spreadsheet provides instructions for entering data and otherwise using the spreadsheet. This includes entering hypothetical climate change in the form of changed temperatures and/or changed total snowfall. The two spread sheets are not linked automatically. The snowpack model may be run by itself. To run the no-snow model, first run the corresponding snowpack model and then copy and paste the snowpack data from the snowpack model into the no-snow data spreadsheet, as detailed in the instruction columns of each sheet.

The spreadsheets were written in an early version of JMP and successfully tested with the latest version 14. JMP is available from the SAS Institute, Cary, North Carolina. A one-month free trial of the fully functional program is available for download, https://www.jmp.com/en_us/software/data-analysis-software.html.

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