Drivers of tundra shrub abundance in SW Greenland - supplementary material

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Table of Contents

## R Markdown

This is an R Markdown document. Markdown is a simple formatting syntax for authoring HTML, PDF, and MS Word documents. For more details on using R Markdown see <http://rmarkdown.rstudio.com>.

When you click the **Knit** button a document will be generated that includes both content as well as the output of any embedded R code chunks within the document. You can embed an R code chunk like this:

## Study species overview table

## select: dropped 5 variables (X, PC3, PC4, PC5, PC6)

## filter: removed one row (12%), 7 rows remaining

## mutate: new variable 'n\_spec' (double) with 2 unique values and 0% NA

## uncount: now 9 rows and 4 columns, ungrouped

## mutate: changed 4 values (44%) of 'species' (0 new NA)

## mutate: new variable 'pollination' (character) with 3 unique values and 0% NA

## new variable 'dispersal' (character) with 6 unique values and 0% NA

## new variable 'references' (character) with 7 unique values and 33% NA

| **species name** | **canopy persistence** | **pollination mode** | **dispersal mode / clonality** | **PC1 (resource economics)** a | **PC2 (plant size)** a | **references** |
| --- | --- | --- | --- | --- | --- | --- |
| *Empetrum nigrum* L. | evergreen |  | animals, clonal | -3.59 | 0.79 | Matthews (1992a) |
| *Cassiope tetragona* L. | evergreen | insects | animals | -3.46 | 0.66 |  |
| *Phyllodoce caerulea* (L.) Bab. | evergreen |  | animals | -3.27 | 0.28 |  |
| *Rhododendron groenlandicum* (Oeder) Kron & Judd | evergreen | insects | wind, (clonal) | -3.22 b | 0.46 b | Gucker (2006) |
| *Rhododendron tomentosum* (Stokes) Harmaja | evergreen | insects | wind, (clonal) | -3.22 b | 0.46 b | Gucker (2005) |
| *Betula nana* L. | deciduous | wind | (wind), clonal | -1.47 | 0.64 | Tollefson (2007) |
| *Vaccinium uliginosum* L. | deciduous |  | animals, (clonal) | -1.33 | 0.23 | Matthews (1992b) |
| *Salix arctophila* Cockerell | deciduous | wind | wind, clonal | -0.93 c | 1.71 c |  |
| *Salix glauca* L. | deciduous | wind | wind, (clonal) | -0.93 c | 1.71 c | Uchytil (1992) |

## Model output tables

## filter: removed 1,104 rows (99%), 12 rows remaining

## mutate: converted 'param' from character to factor (0 new NA)

## mutate: converted 'param' from factor to character (0 new NA)

## mutate: changed 9 values (75%) of 'param' (0 new NA)

| **param** | **mean** | **sd** | **l95** | **l90** | **u90** | **u95** | **Rhat** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| intercept | -2.22 | 0.25 | -2.73 | -2.99 | -1.71 | -1.76 | 1.003 |
| summer temperature | -0.09 | 0.13 | -0.35 | -0.30 | 0.12 | 0.16 | 1.001 |
| temperature variability | 0.74 | 0.21 | 0.34 | 0.40 | 1.10 | 1.18 | 1.001 |
| summer precipitation | 0.07 | 0.18 | -0.27 | -0.22 | 0.36 | 0.42 | 1.001 |
| solar radiation | -0.02 | 0.10 | -0.21 | -0.18 | 0.14 | 0.17 | 1.001 |
| terrain ruggedness | -0.02 | 0.12 | -0.26 | -0.22 | 0.17 | 0.20 | 1.001 |
| topographic wetness | 0.18 | 0.13 | -0.09 | -0.04 | 0.40 | 0.44 | 1.001 |
| dCWA | 0.65 | 0.20 | 0.27 | 0.33 | 0.99 | 1.05 | 1.004 |
| graminoid cover | -0.34 | 0.11 | -0.56 | -0.52 | -0.17 | -0.13 | 1.001 |
| other shrub cover | -0.07 | 0.09 | -0.24 | -0.21 | 0.08 | 0.11 | 1.002 |
| phi | 6.58 | 0.71 | 5.26 | NA | NA | 8.07 | 1.001 |
| sigma.plotgroup | 0.63 | 0.12 | 0.41 | NA | NA | 0.88 | 1.001 |

## Including Plots

You can also embed plots, for example:



Note that the echo = FALSE parameter was added to the code chunk to prevent printing of the R code that generated the plot.

# ———–

huxtable approach: