Phenology Visualization

Moriah Young

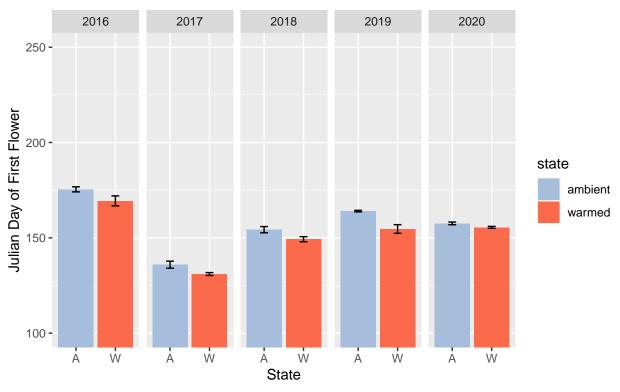
January 29, 2021

COLLABORATORS: Phoebe Zarnetske, Mark Hammond, Pat Bills, Kara Dobson DATA INPUT: Cleaned phenology data csv from the shared Google drive DATA OUTPUT: Code and Rmd are in the scripts folder in Github PROJECT: warmXtrophic

Flowering

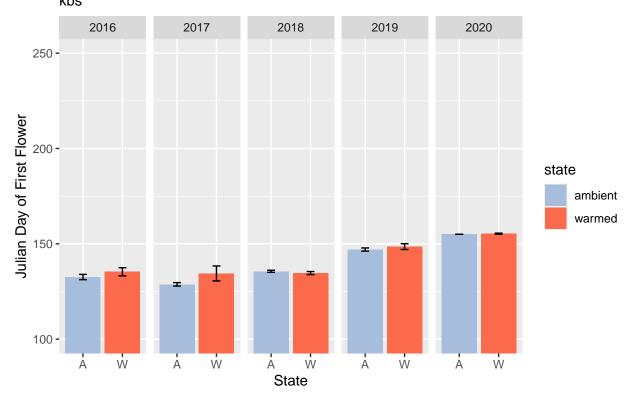
This creates a plot for a given species and site and for every year



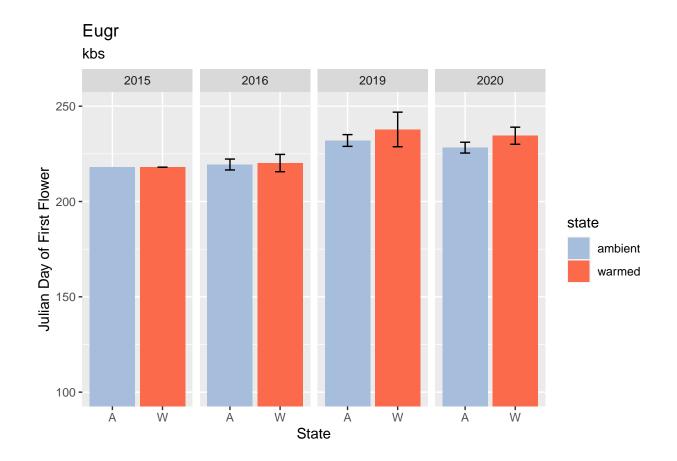


FirstFlower_plot("Popr", "kbs")

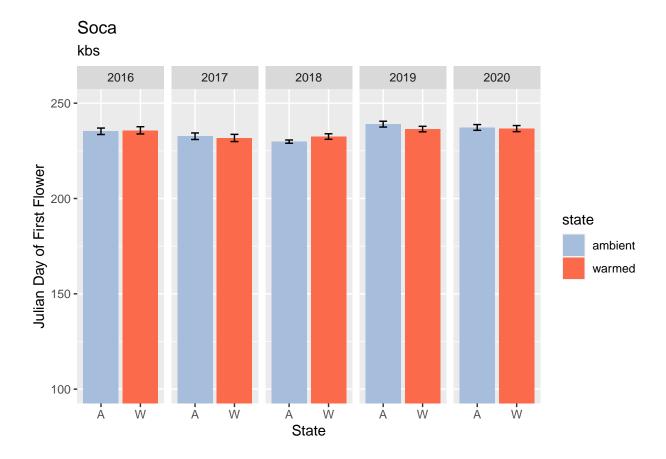




FirstFlower_plot("Eugr", "kbs")

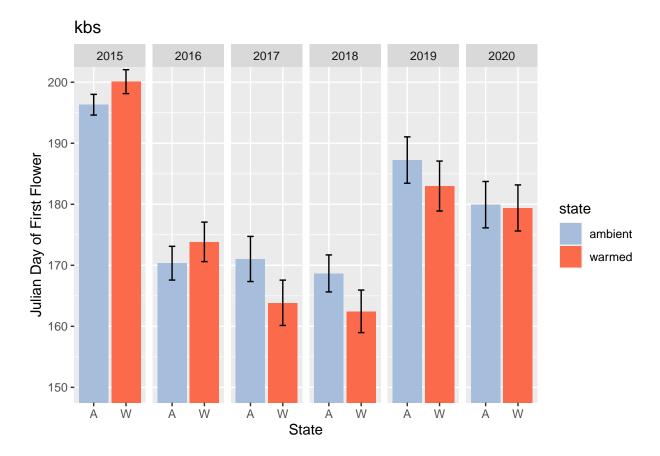


FirstFlower_plot("Soca", "kbs")



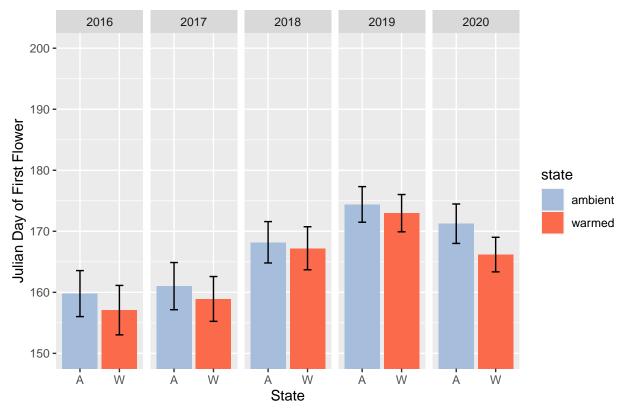
This creates a function that returns plots for a given site and year for average first date of flower comparing ambient vs warmed plots

KBS



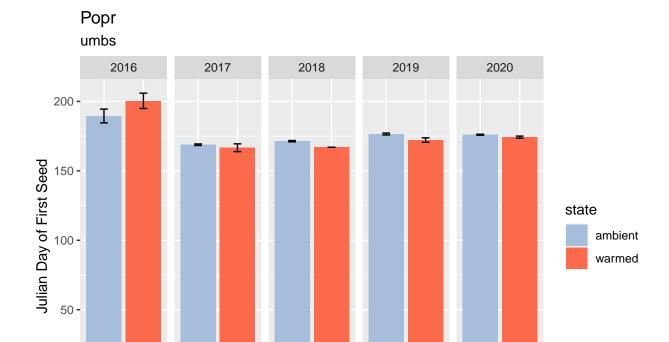
UMBS





Seeding

This creates function so that you can look at a specific species at either kbs or umbs and it's mean julian day of first seed for every year of data collection



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FirstSeed_plot("Popr", "kbs")

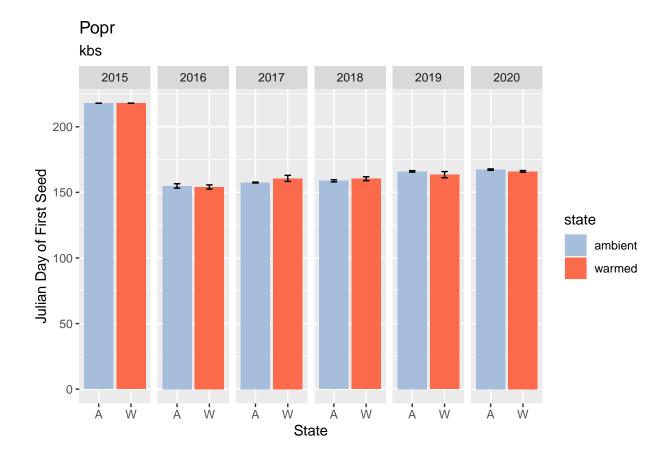
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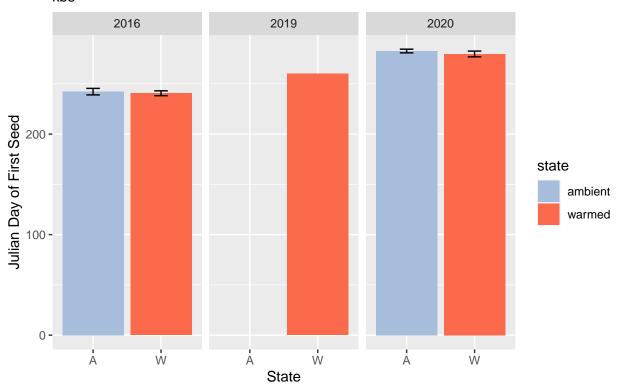
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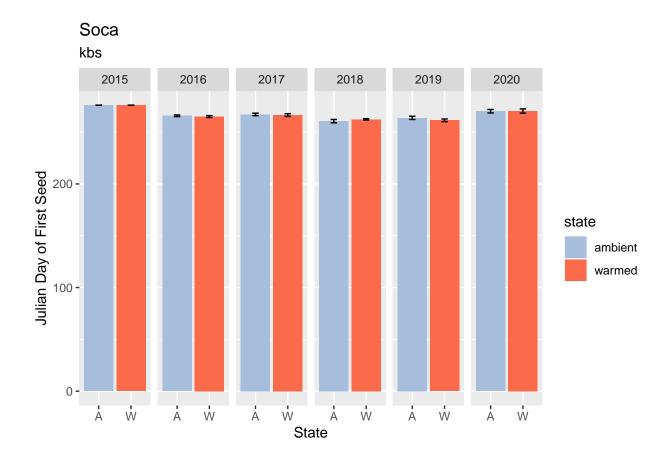


FirstSeed_plot("Eugr", "kbs")



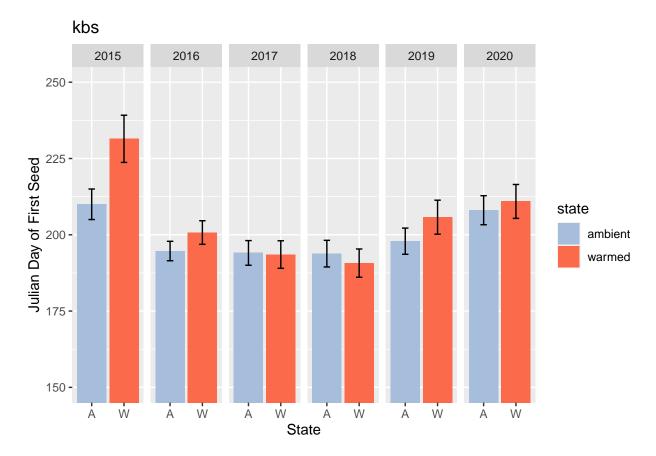


FirstSeed_plot("Soca", "kbs")



This creates a function that returns plots for a given site and year for average first date of seed comparing ambient vs warmed plots

KBS



\mathbf{UMBS}

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