

Plant Comp Plots

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January 26, 2021

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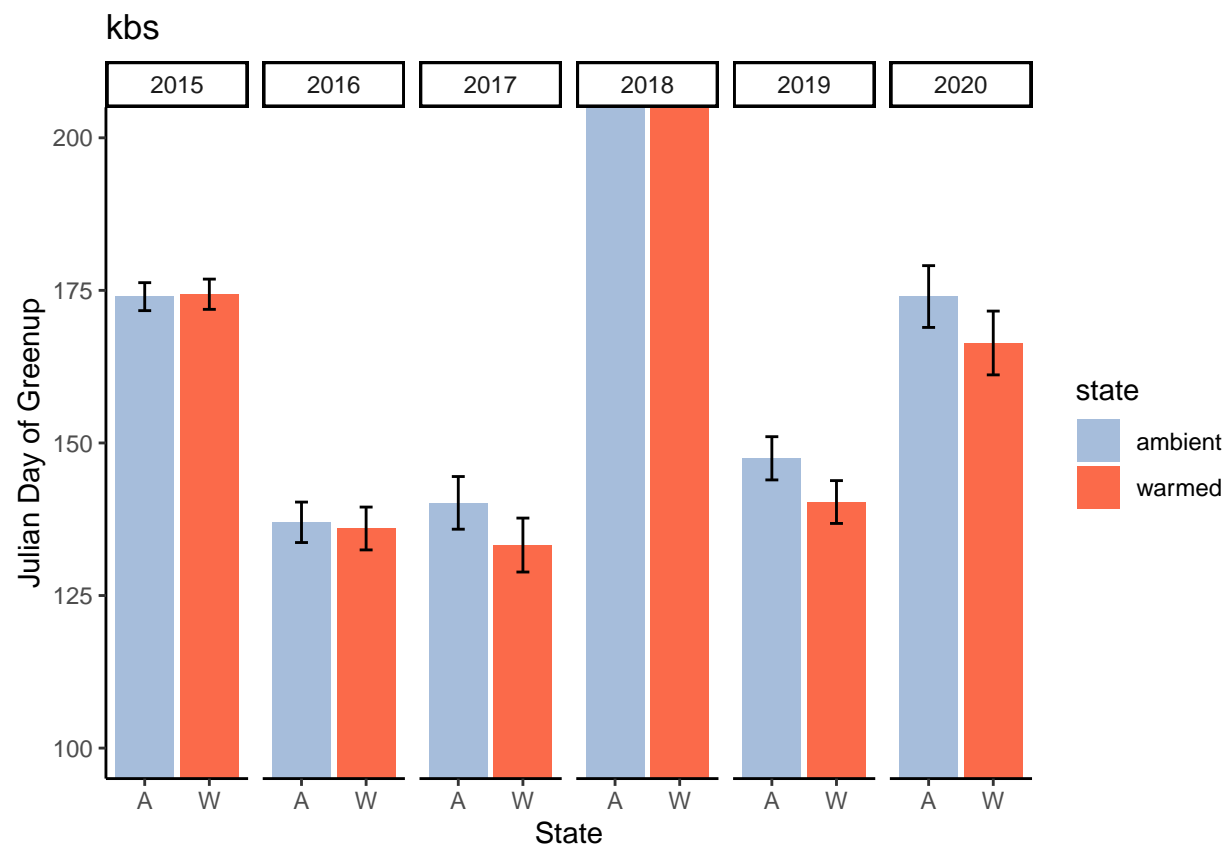
DATA INPUT: Clean & plot plant comp csv from the shared Google drive

DATA OUTPUT: Code and Rmd are in the scripts folder in Github

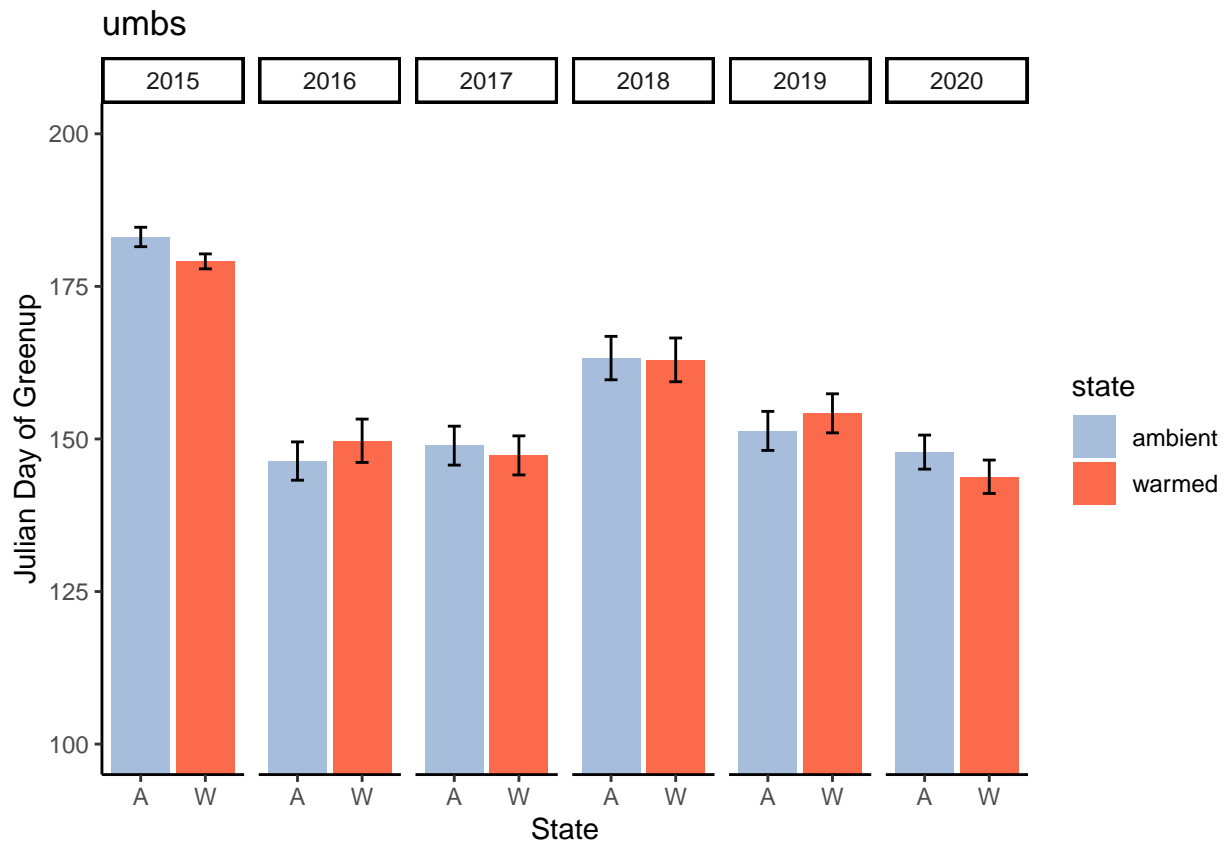
PROJECT: warmXtrophic

Makes a plot for a given site

```
greenup_plot_all <- function(loc) {  
  greenup_spp <- subset(sum_comp_site, site == loc)  
  return(ggplot(greenup_spp, aes(x = state, y = avg_julian, fill = state)) +  
    facet_grid(.~year) +  
    geom_bar(position = "identity", stat = "identity") +  
    geom_errorbar(aes(ymin = avg_julian - se, ymax = avg_julian + se), width = 0.2,  
      position = "identity") +  
    labs(x = "State", y = "Julian Day of Greenup", title = loc) +  
    scale_fill_manual(values = c("#a6bddb", "#fb6a4a")) +  
    scale_x_discrete(labels=c("ambient" = "A", "warmed" = "W")) +  
    coord_cartesian(ylim = c(100, 200)) +  
    theme_classic()  
}  
greenup_plot_all("kbs")
```



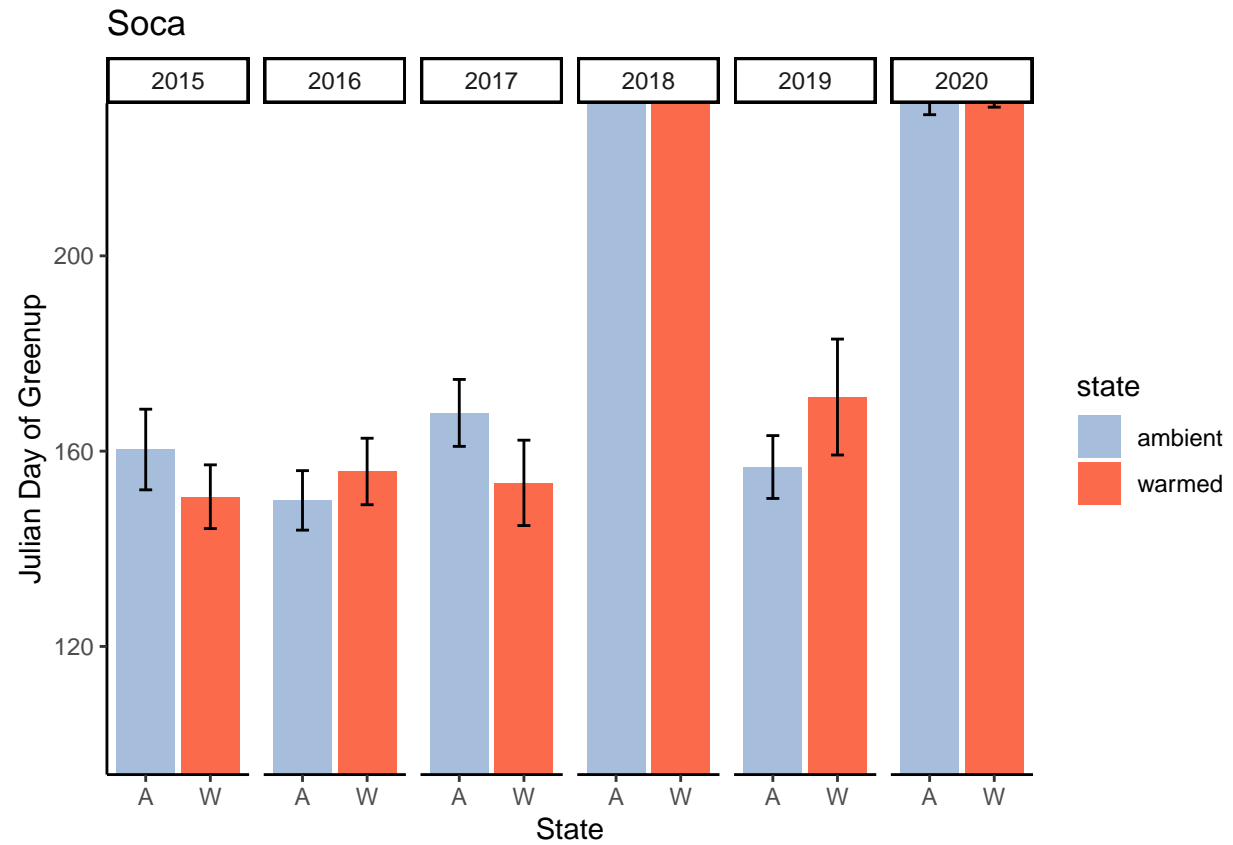
```
greenup_plot_all("umbs")
```



Makes a plot for a given species & site

Ex: Soca at KBS, Cest at UMBS

```
greenup_plot <- function(spp, loc) {
  greenup_spp <- subset(sum_comp_spp, species == spp & site == loc)
  return(ggplot(greenup_spp, aes(x = state, y = avg_julian, fill = state)) +
    facet_grid(.~year) +
    geom_bar(position = "identity", stat = "identity") +
    geom_errorbar(aes(ymin = avg_julian - se, ymax = avg_julian + se), width = 0.2,
      position = "identity") +
    labs(x = "State", y = "Julian Day of Greenup", title = spp) +
    scale_fill_manual(values = c("#a6bddb", "#fb6a4a")) +
    scale_x_discrete(labels=c("ambient" = "A", "warmed" = "W")) +
    coord_cartesian(ylim = c(100, 225)) +
    theme_classic())
}
greenup_plot("Soca", "kbs")
```



```
greenup_plot("Cest", "umbs")
```

