

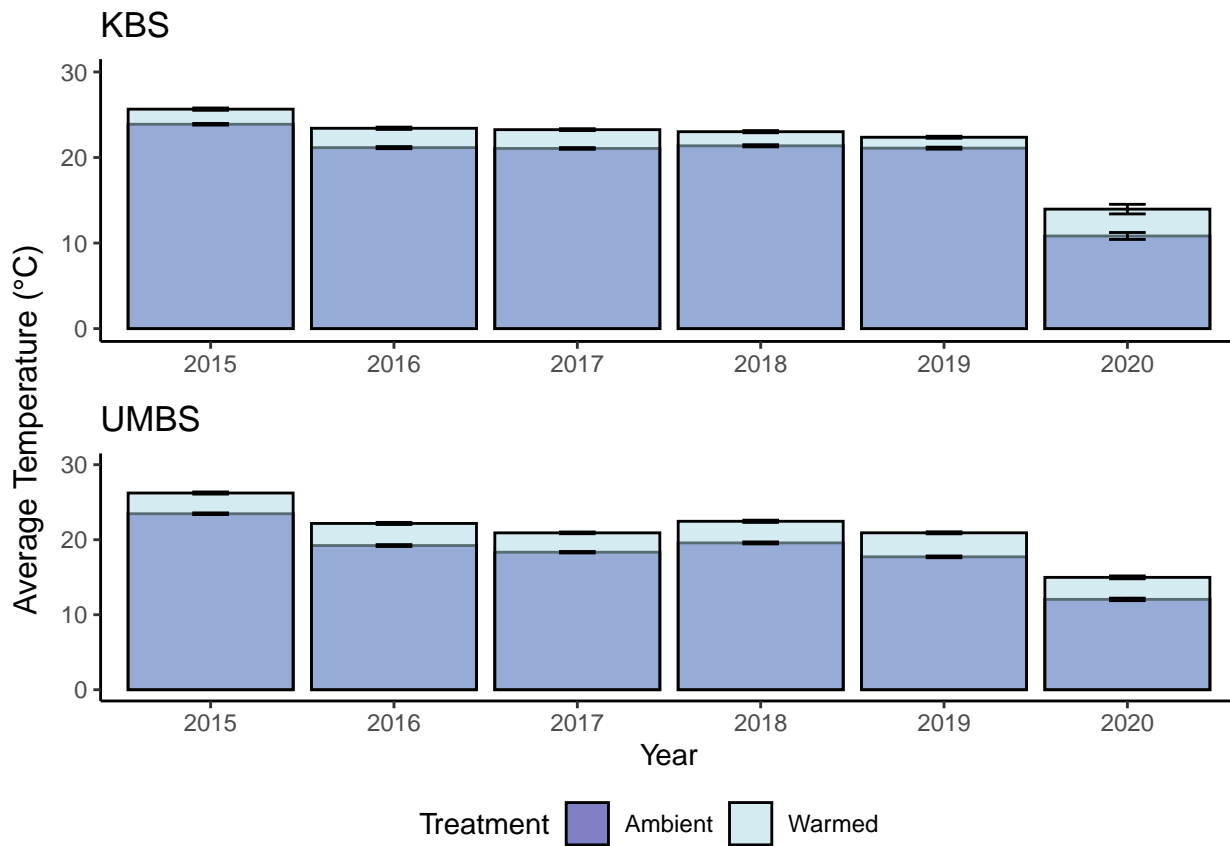
# HOBO Data Plots

Kara Dobson

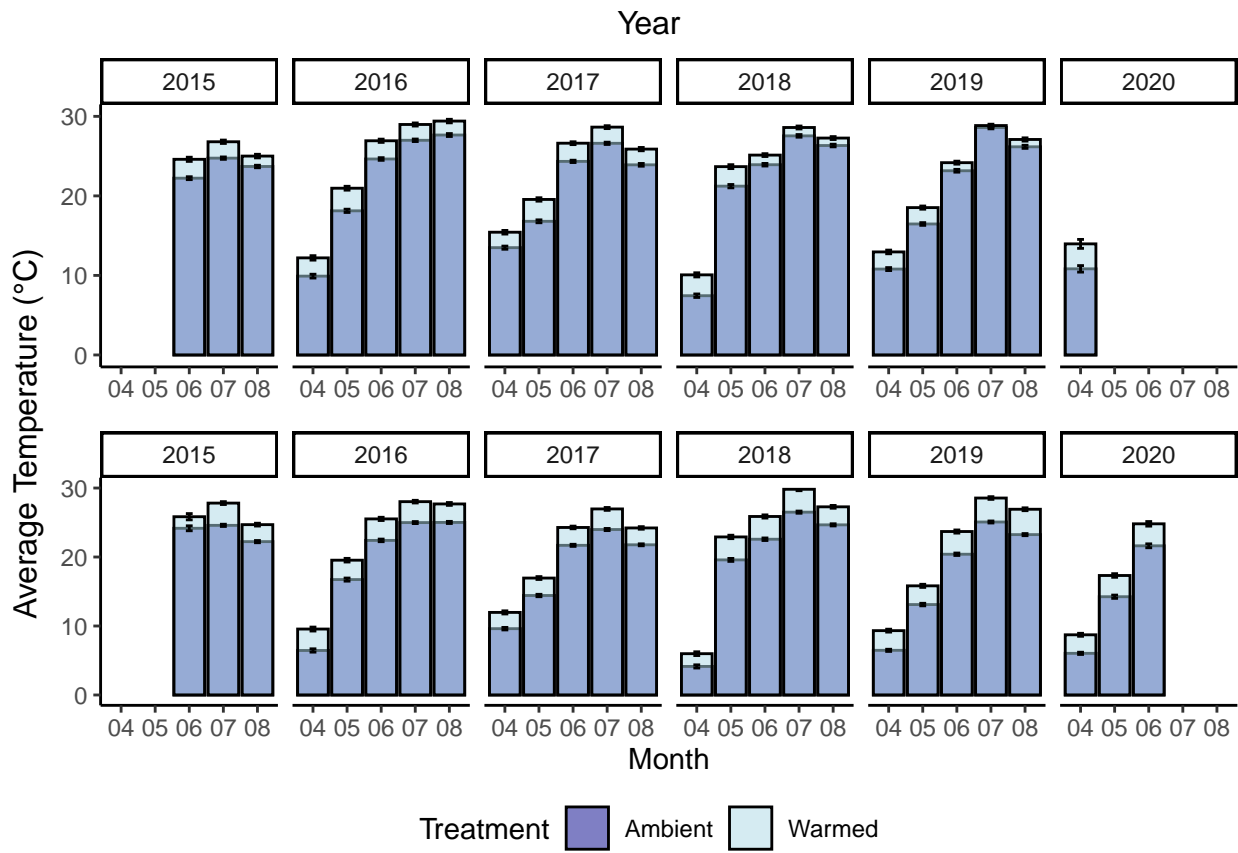
July 28, 2020

## Plotting HOBO data

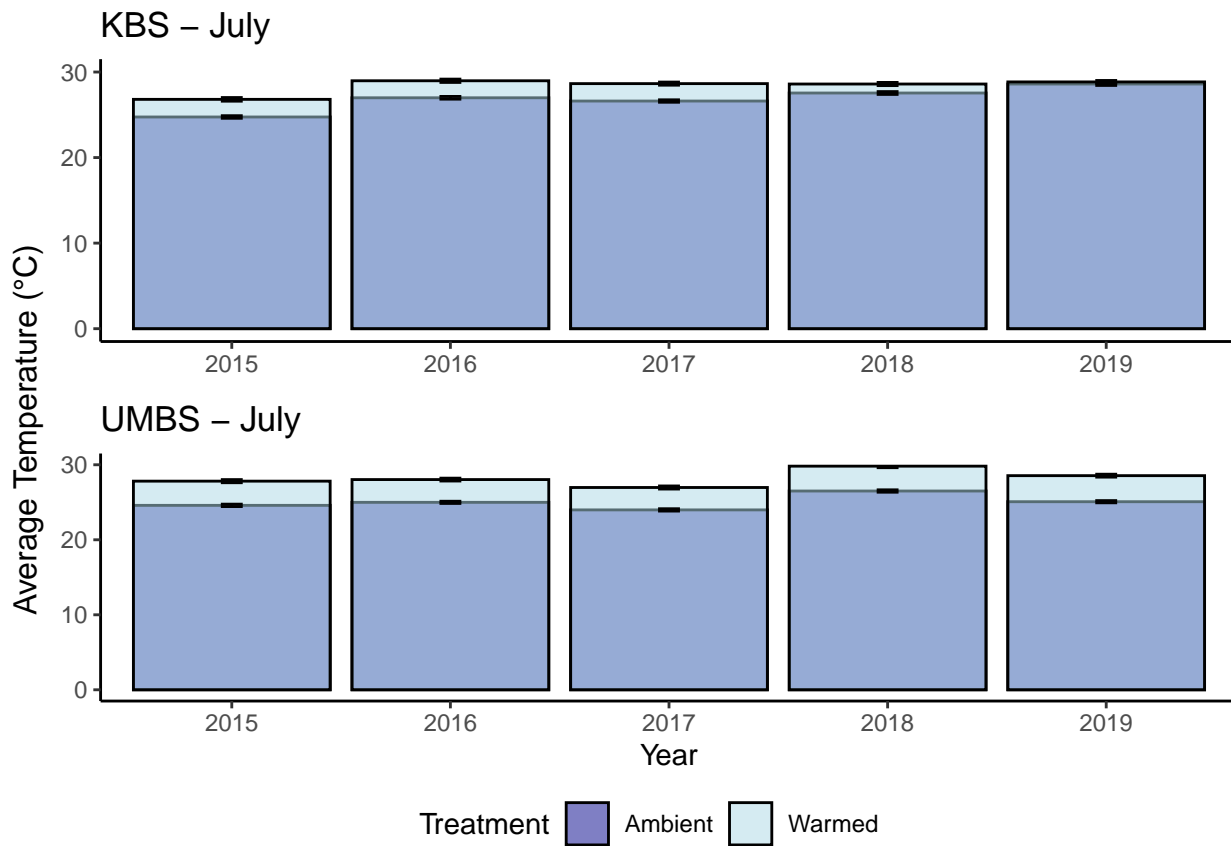
This plot looks at yearly average chamber temperatures during the day for the growing season (I defined this as April-August from 7 AM - 7 PM, but this could easily be changed)



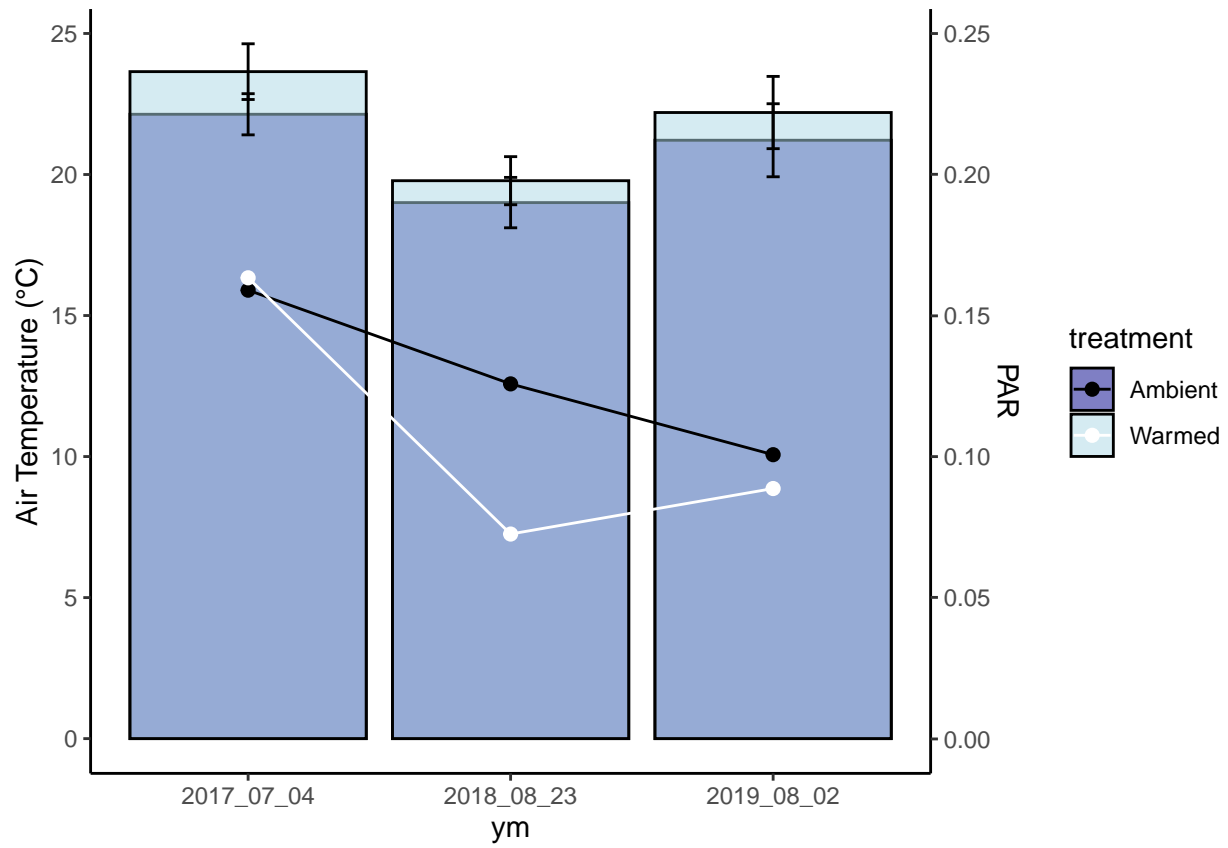
These plot looks at monthly averages during the growing season, over time (KBS on top and UMBS on bottom) — these could be separated to see individual months over time (i.e. July temps over each year)



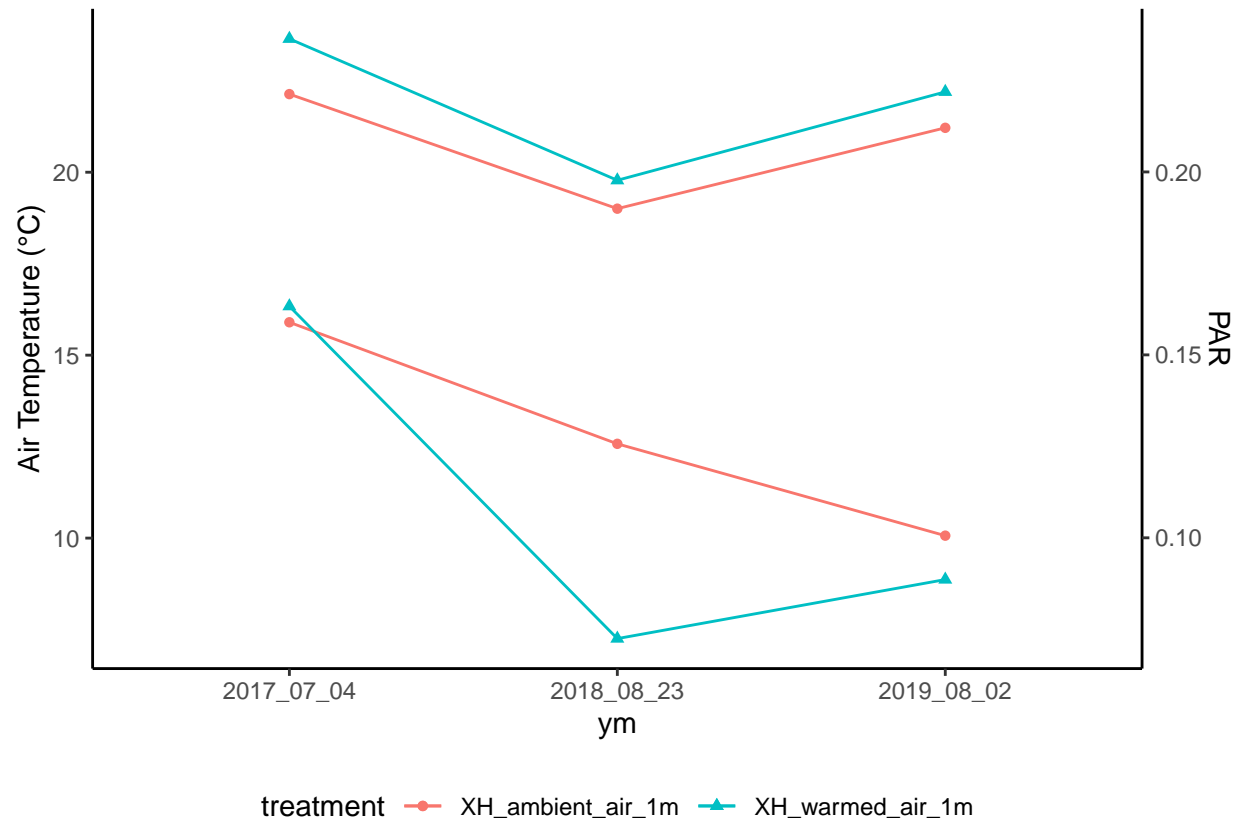
Comparing average July temperatures during the daytime - KBS shows a smaller difference between warmed + ambient in later years than UMBS



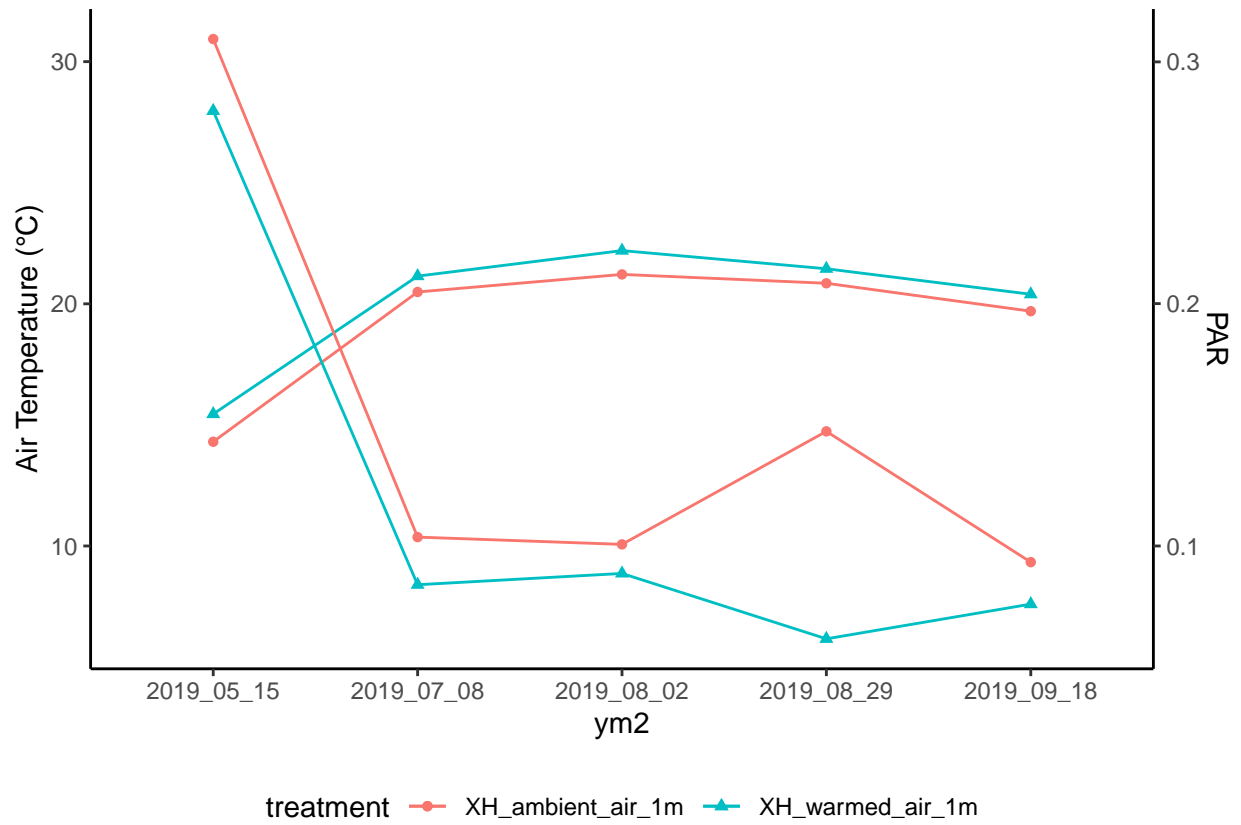
Comparing PAR to HOB0 from 2017-2019; only one day is shown for each year because PAR measurements were only taken on one day at KBS for 2017 and 2018



Again, comparing PAR to HOBO, this time in line format (bottom lines are PAR data, I need to change their color)

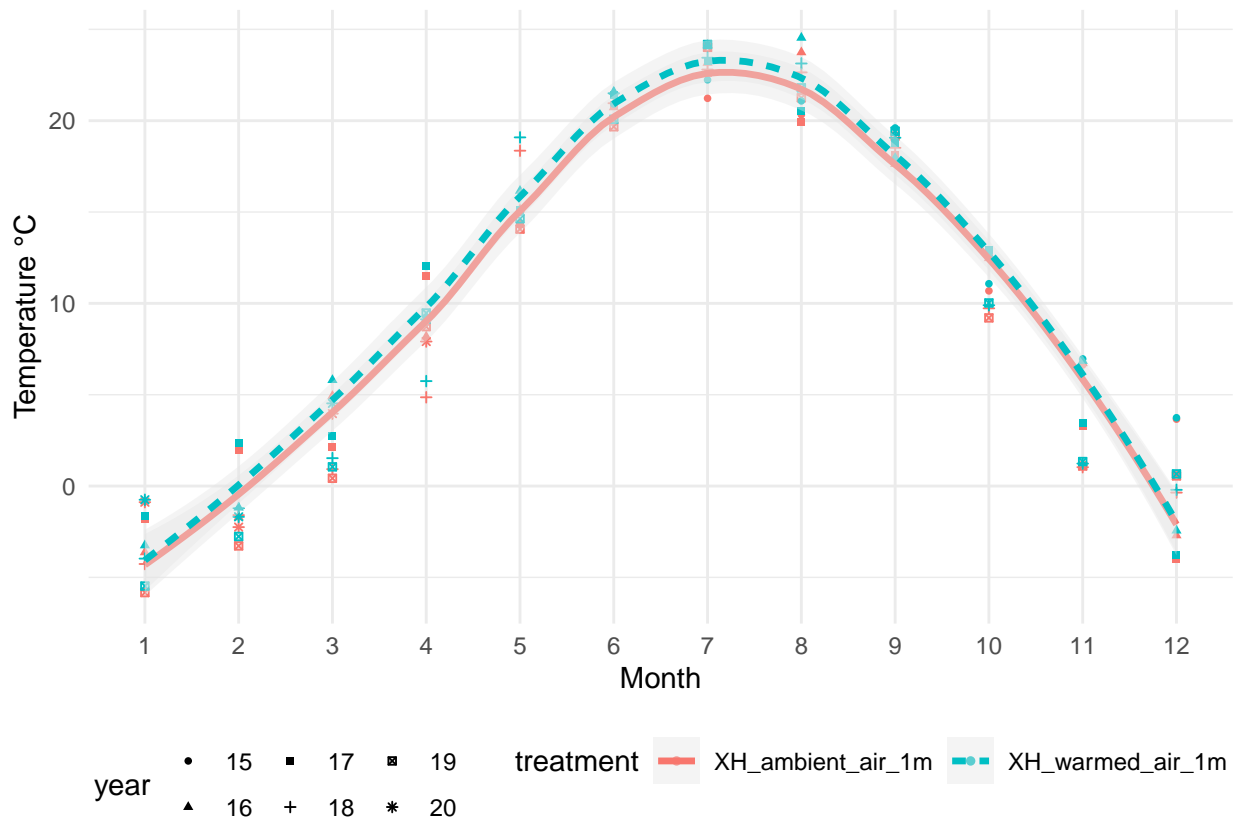


Comparing PAR to HOBO for only 2019 because multiple PAR measurements were taken that year — need to change the color for the PAR lines

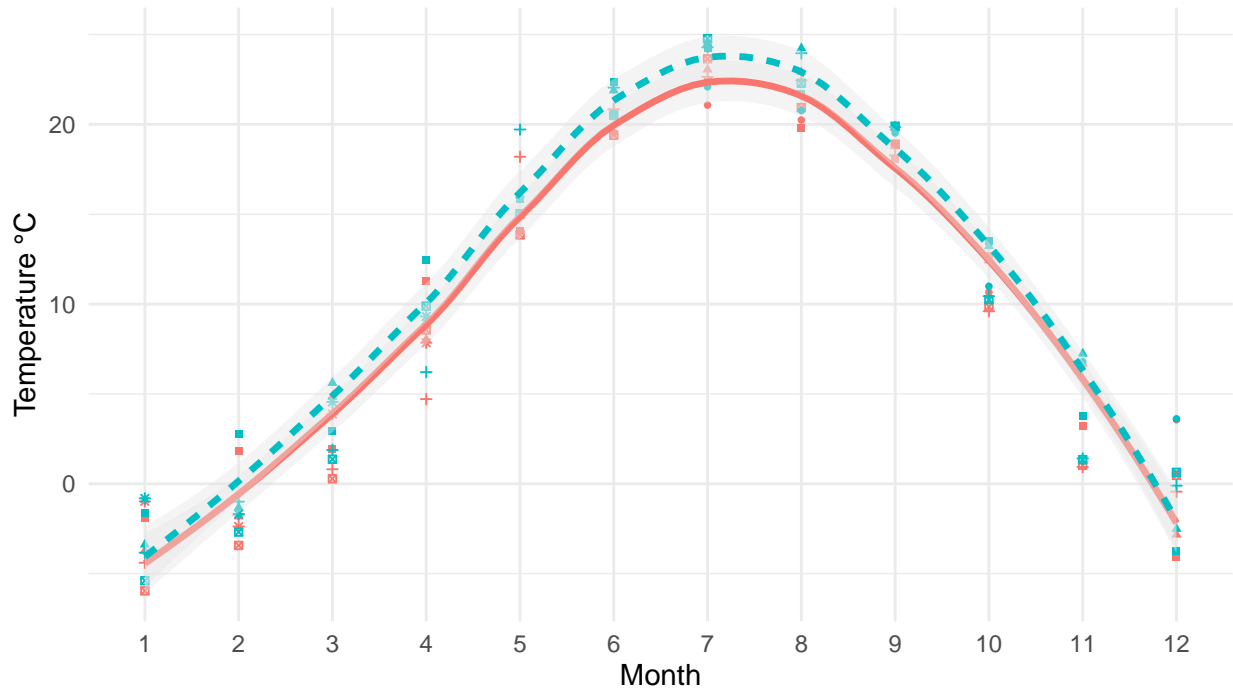


These plots average the chamber temperatures for each month over all years for each treatment

1H sensor



2H sensor



year      • 15    ■ 17    ▣ 19      treatment    — XH\_ambient\_air\_1m    - - XH\_warmed\_air\_1m  
          ▲ 16    + 18    \* 20



### 3H sensor

