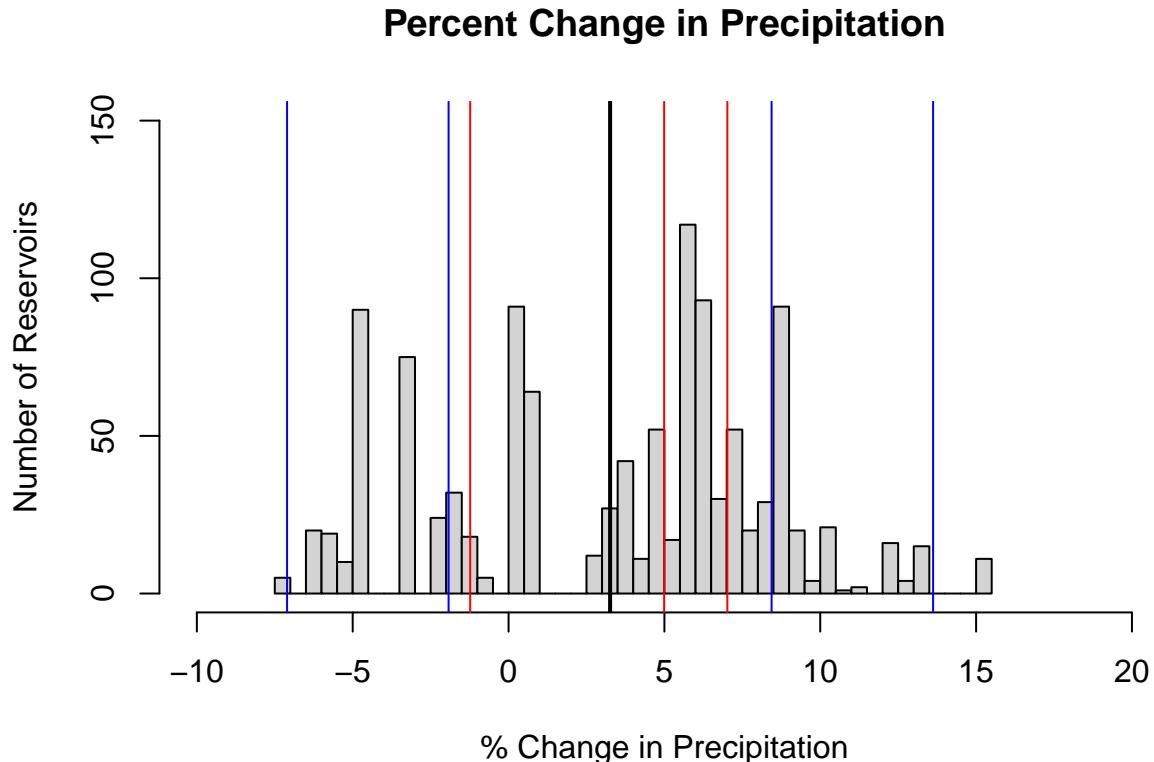


Impounded Rivers - Climate Exploration

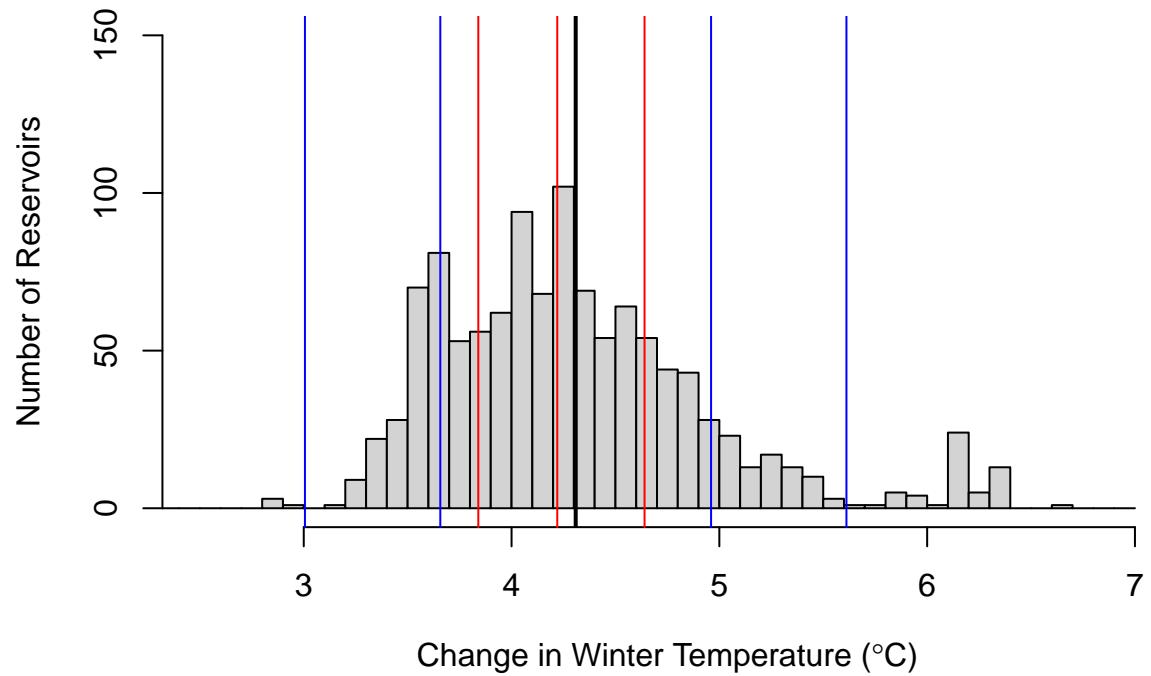
Nicky Fauchoux

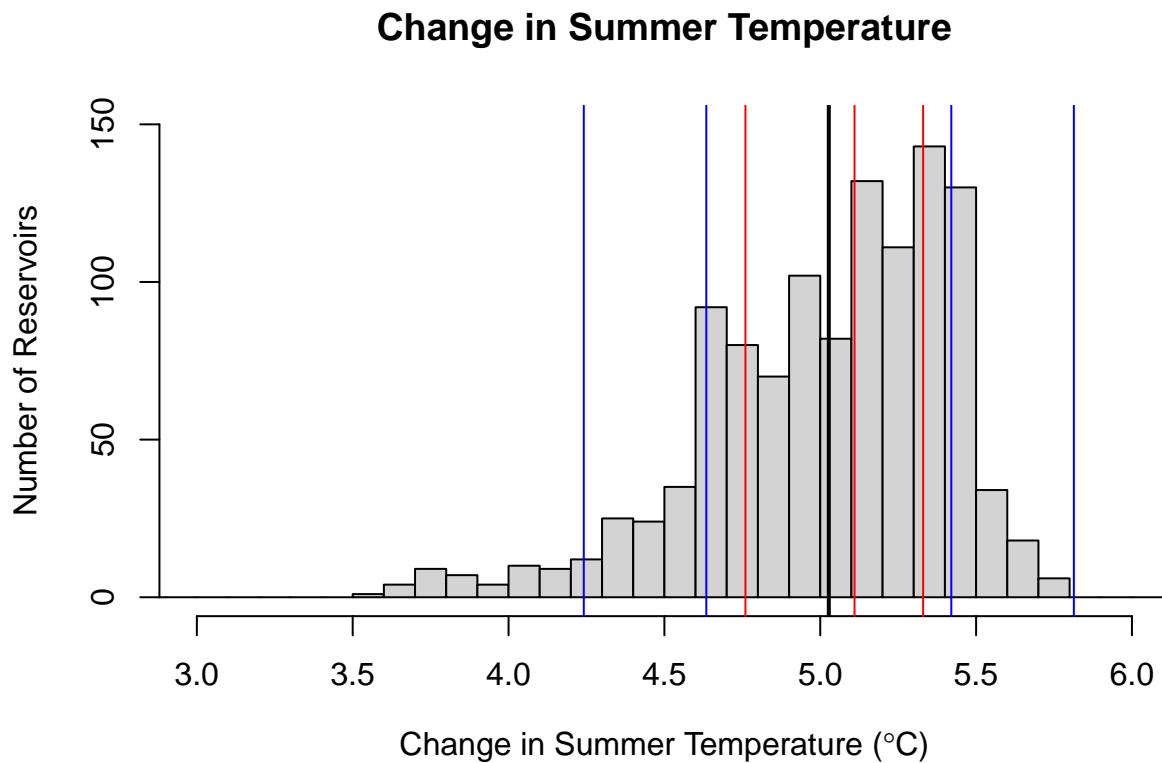
February 3, 2020

So, we are trying to figure out how to categorize our climate data. Here are some histograms to help visualize things. The thick black line represents the mean, THE blue lines represent standard deviations from the means. From left to right, the red lines represent the 1st quartile, the median, and the 3rd quartile respectively.

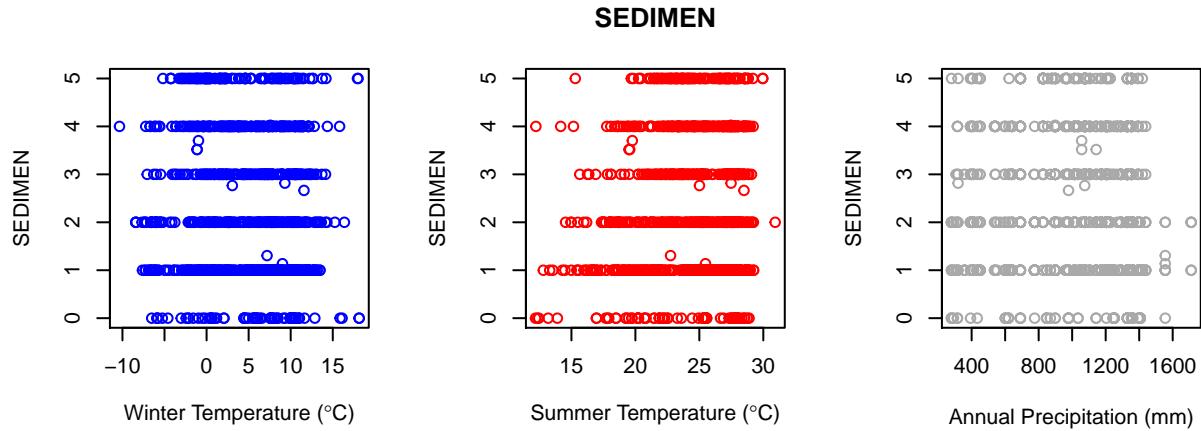


Change in Winter Temperature



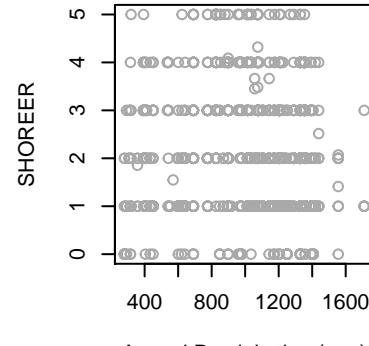
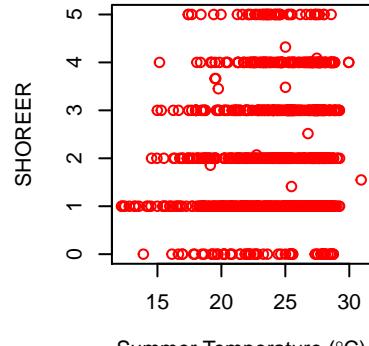
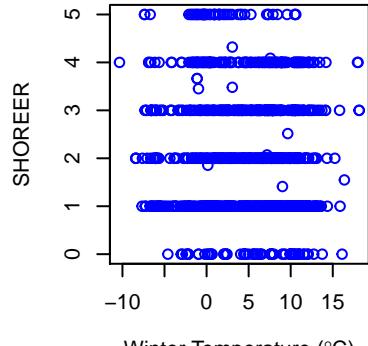


Moving on from categorizing our data, we are interested in the relationships between the climate data and the problems identified in the Krogman Survey. Below are draftsman plots illustrating the relationships between the different variables and the current climate data. If we see strong trends we might be able to use the linear relationships to predict the severity of reservoir problems as temperature and precipitation change according to the RCP 8.5 model. Let's see what it looks like! (Be aware there are 82 plots below.)



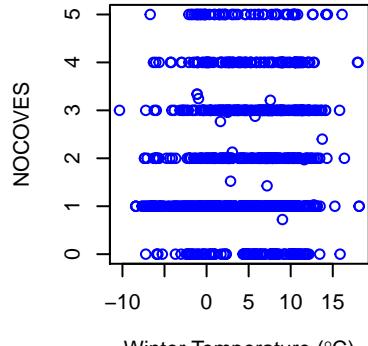
```
## NULL
```

SHOREER

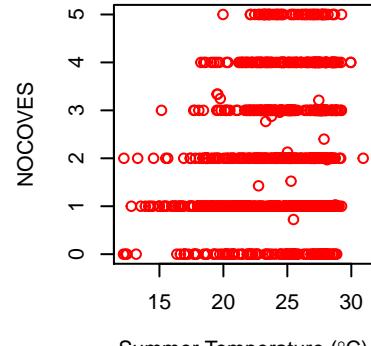


```
## NULL
```

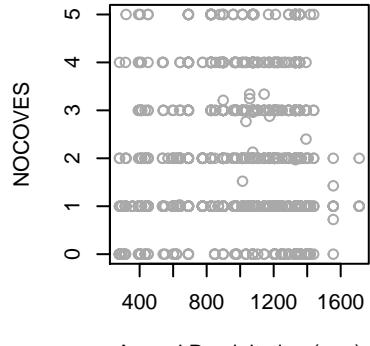
NOCOVES



Winter Temperature ($^{\circ}\text{C}$)

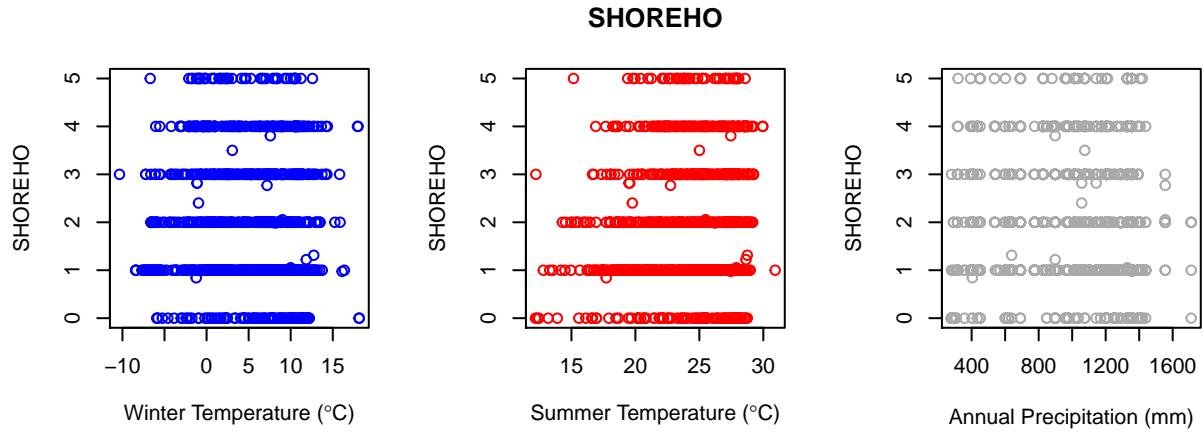


Summer Temperature ($^{\circ}\text{C}$)

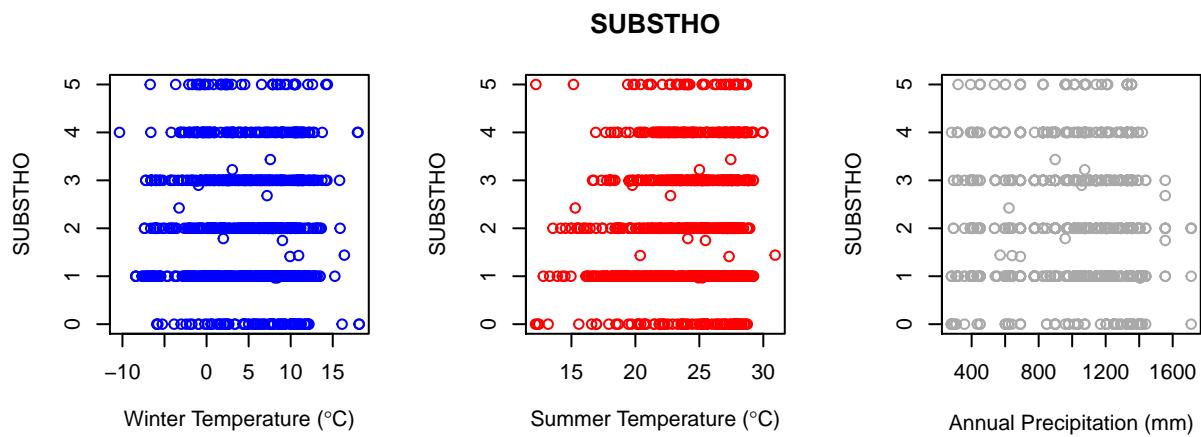


Annual Precipitation (mm)

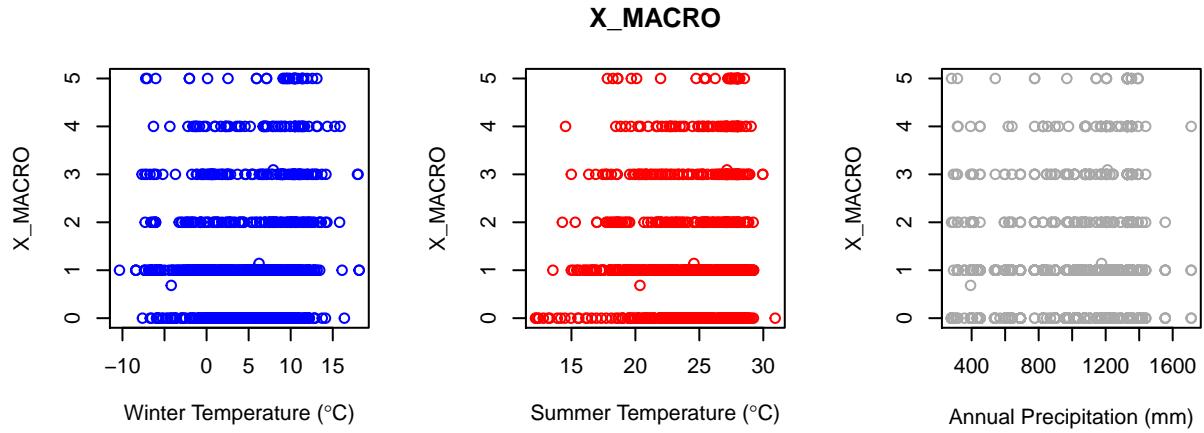
NULL



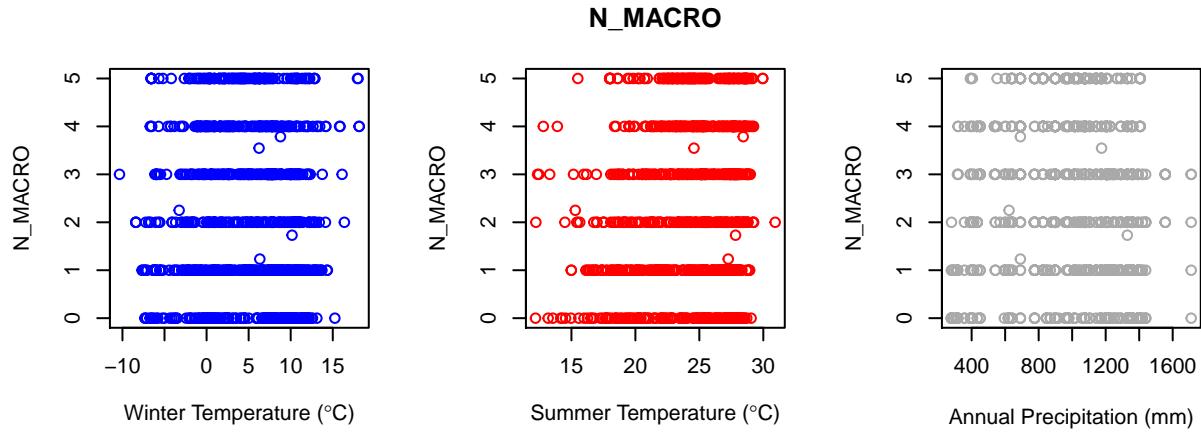
```
## NULL
```



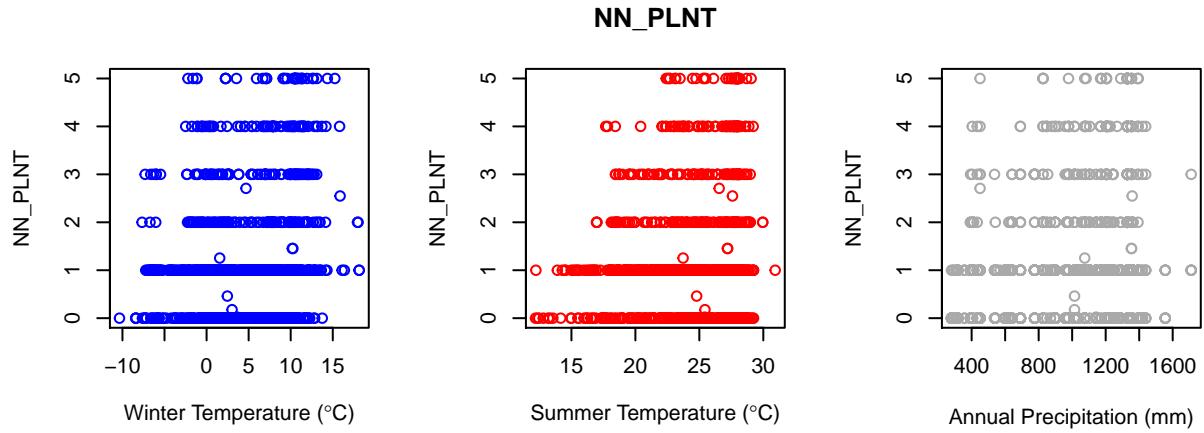
```
## NULL
```



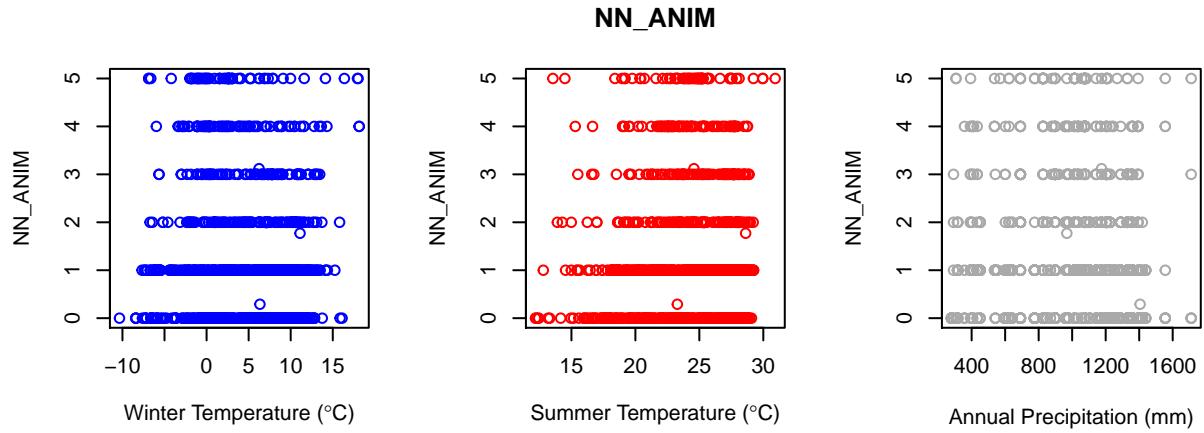
```
## NULL
```



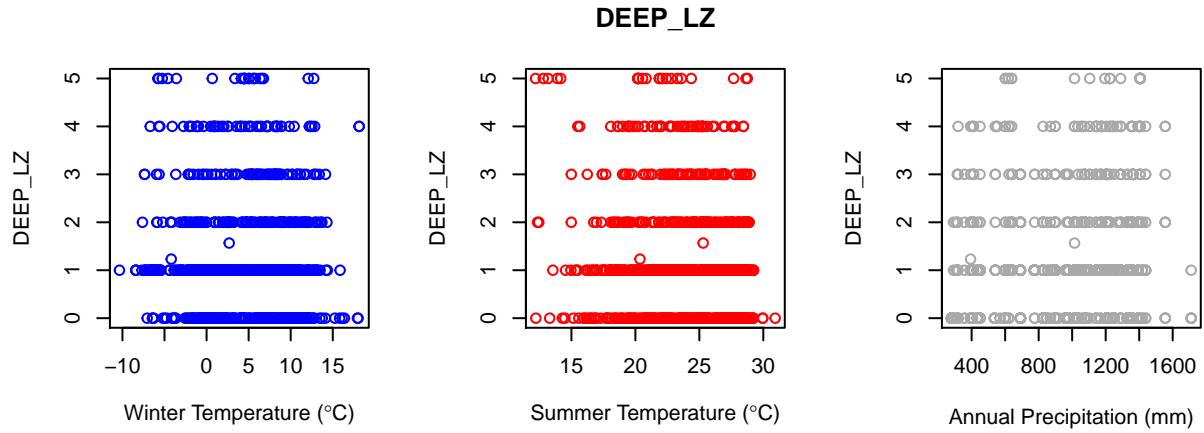
```
## NULL
```



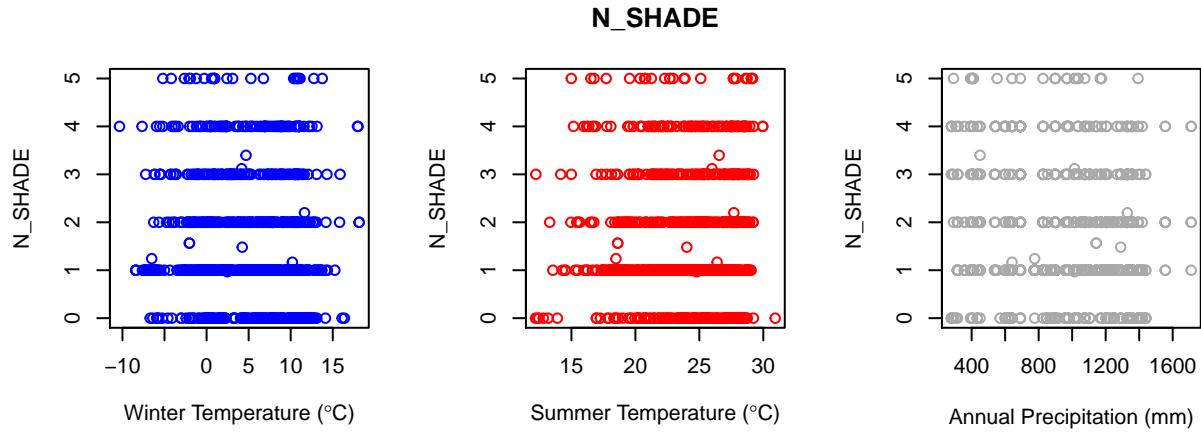
```
## NULL
```



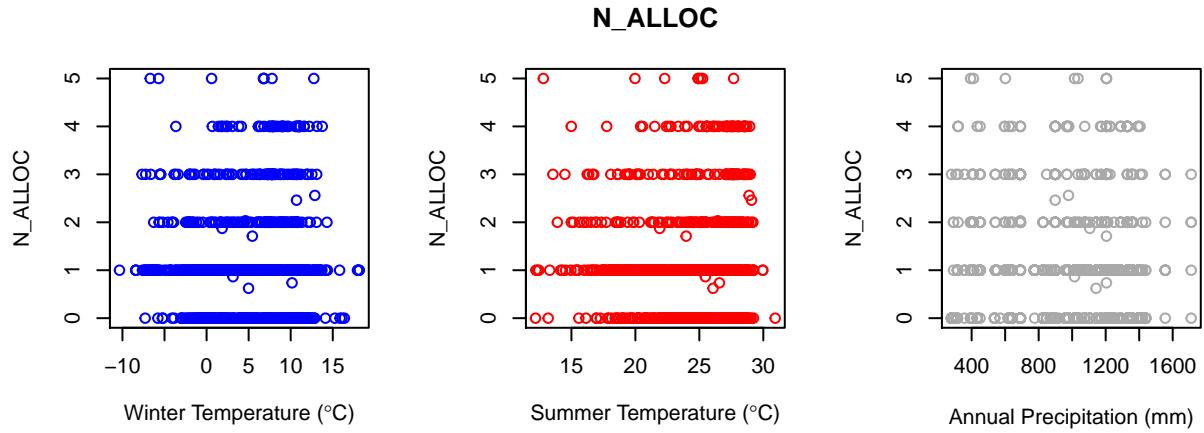
```
## NULL
```



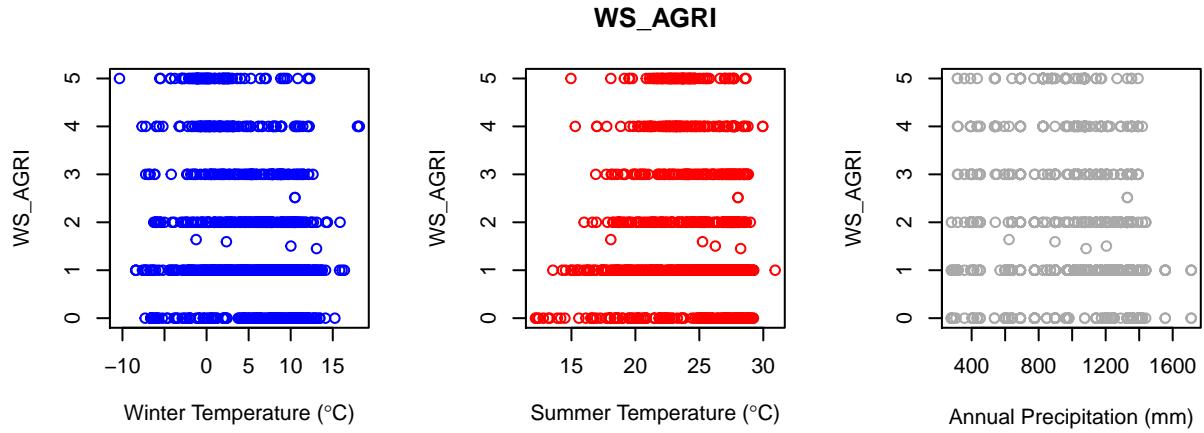
```
## NULL
```



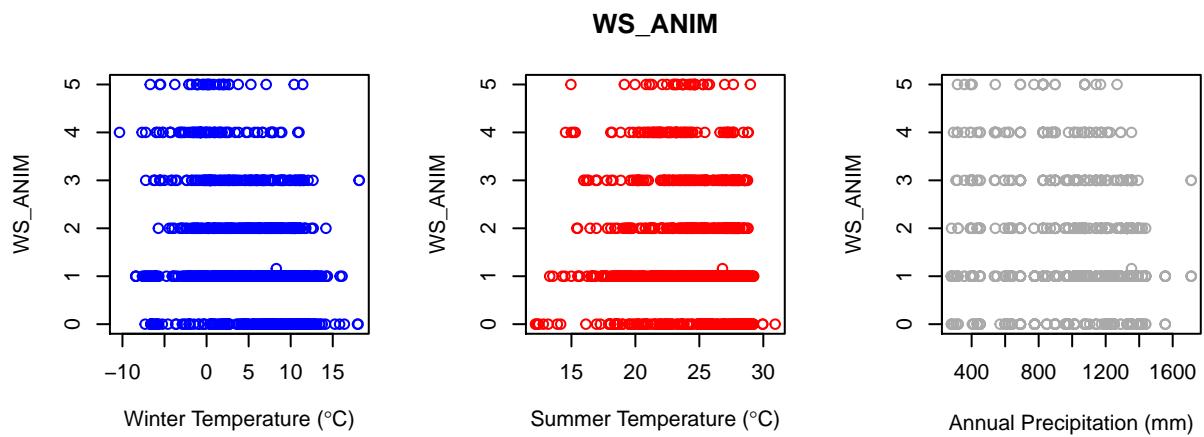
```
## NULL
```



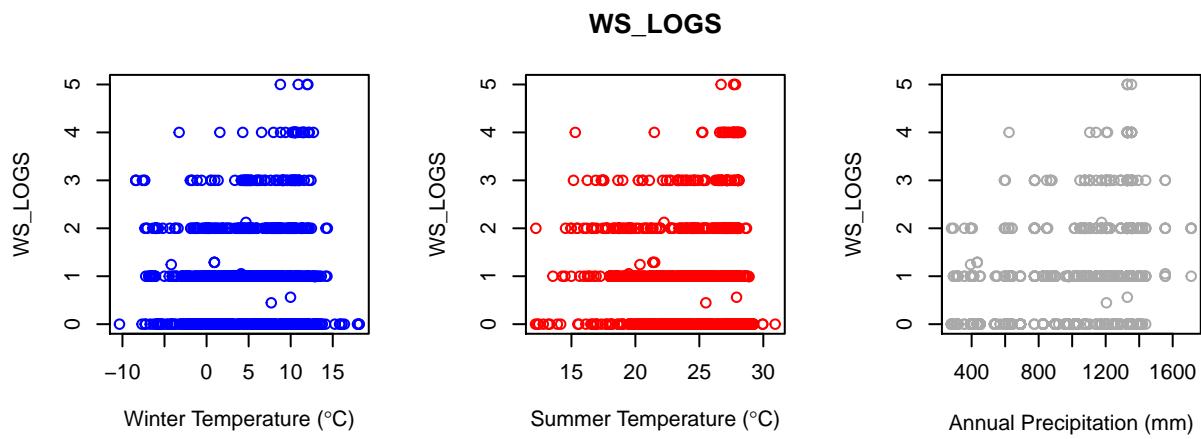
```
## NULL
```



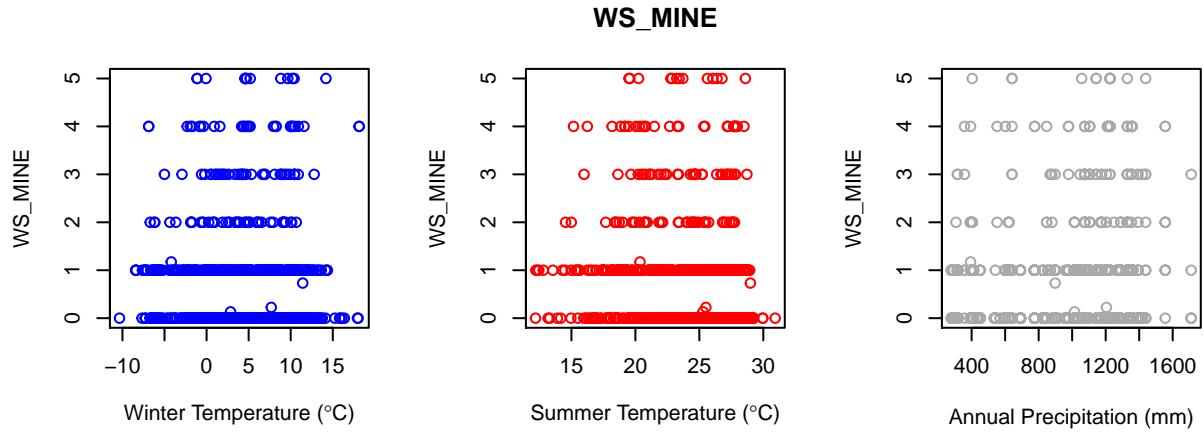
```
## NULL
```



```
## NULL
```

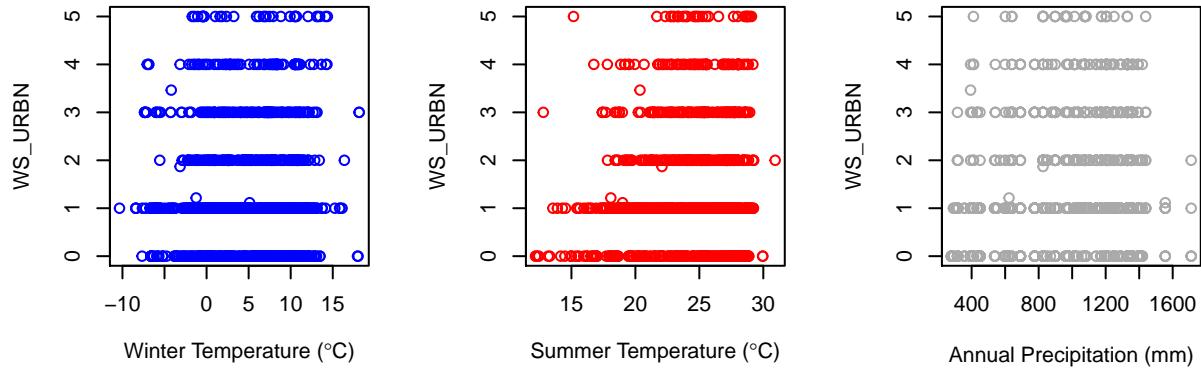


```
## NULL
```

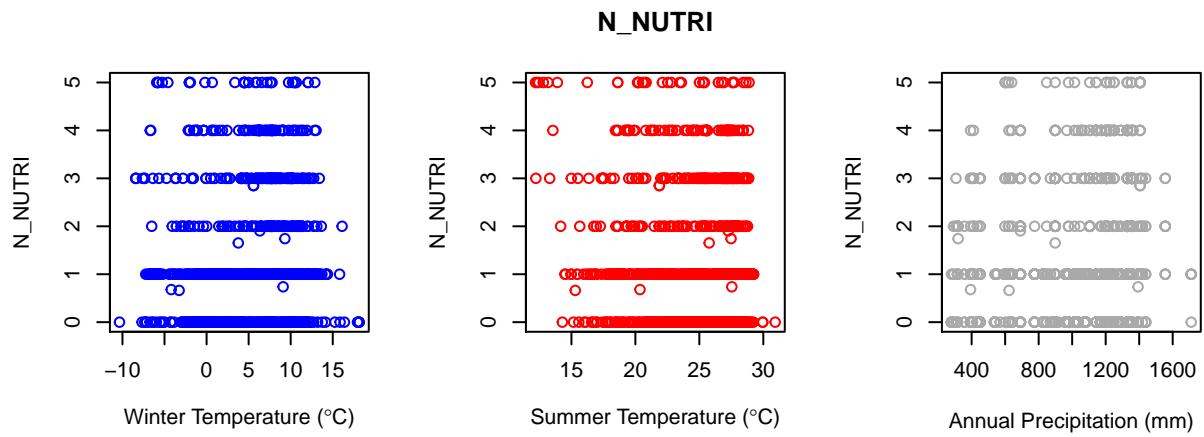


```
## NULL
```

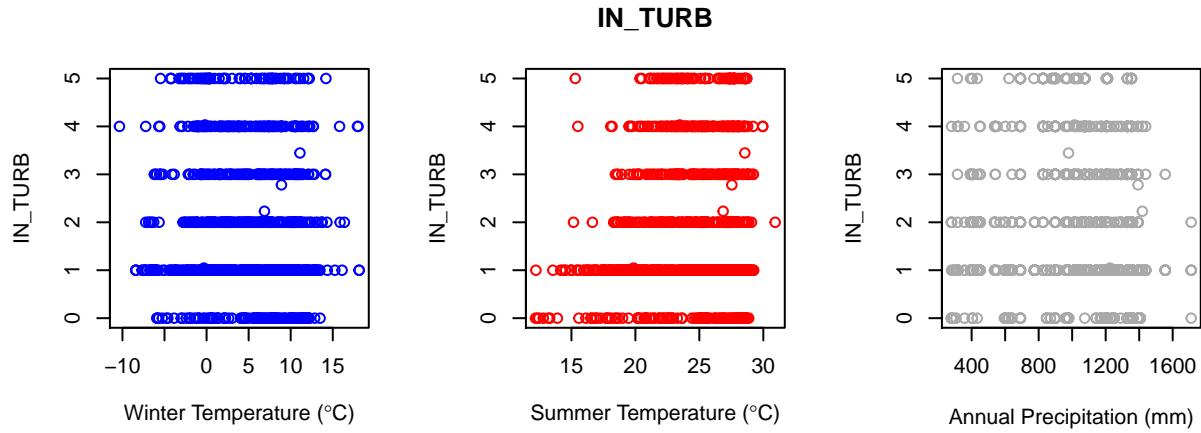
WS_URBN



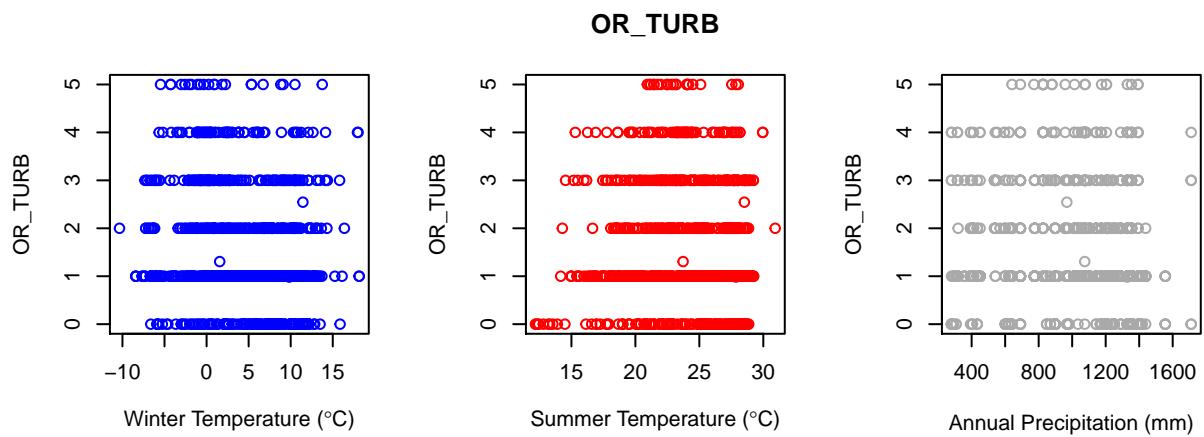
```
## NULL
```



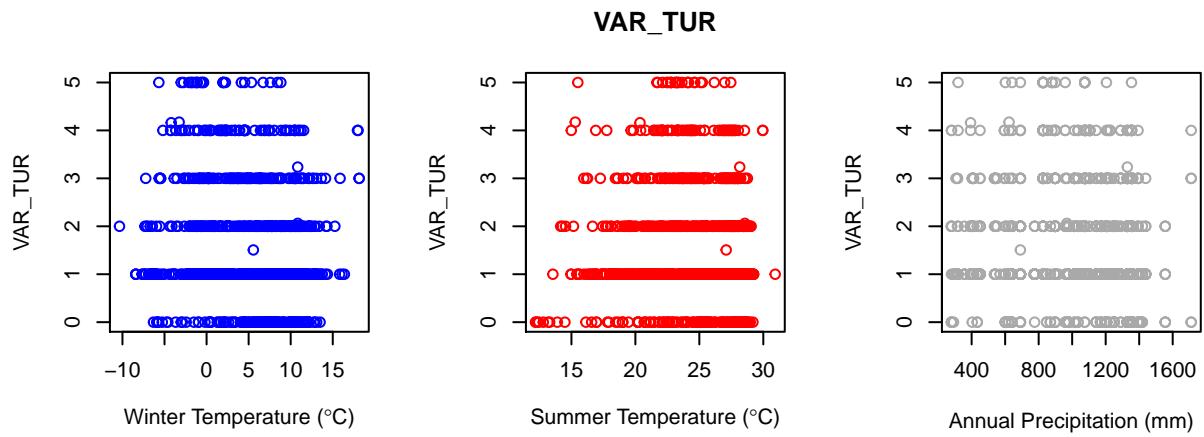
```
## NULL
```



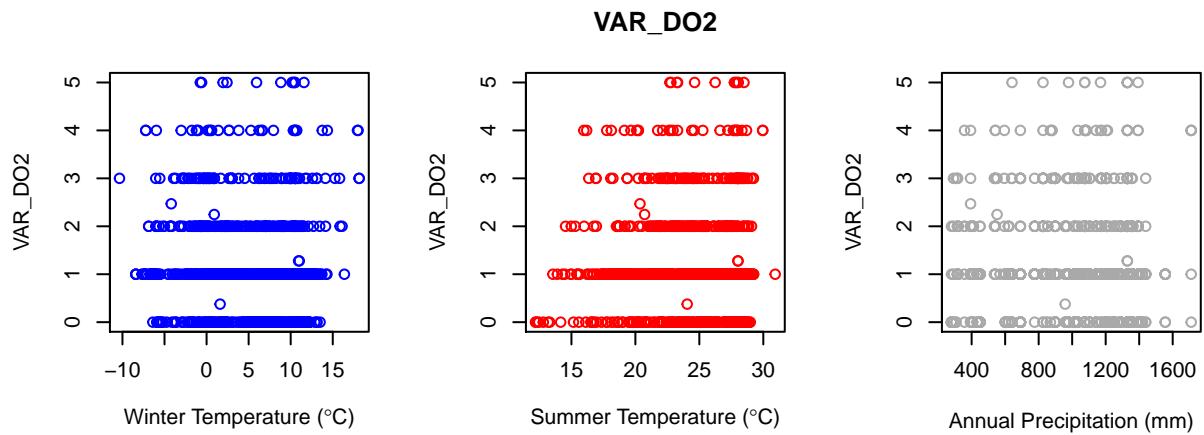
```
## NULL
```



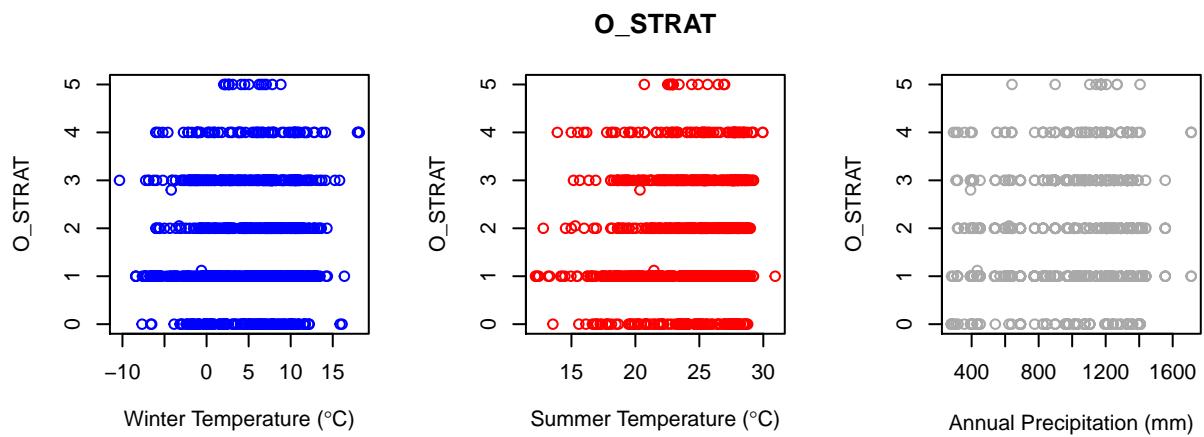
```
## NULL
```



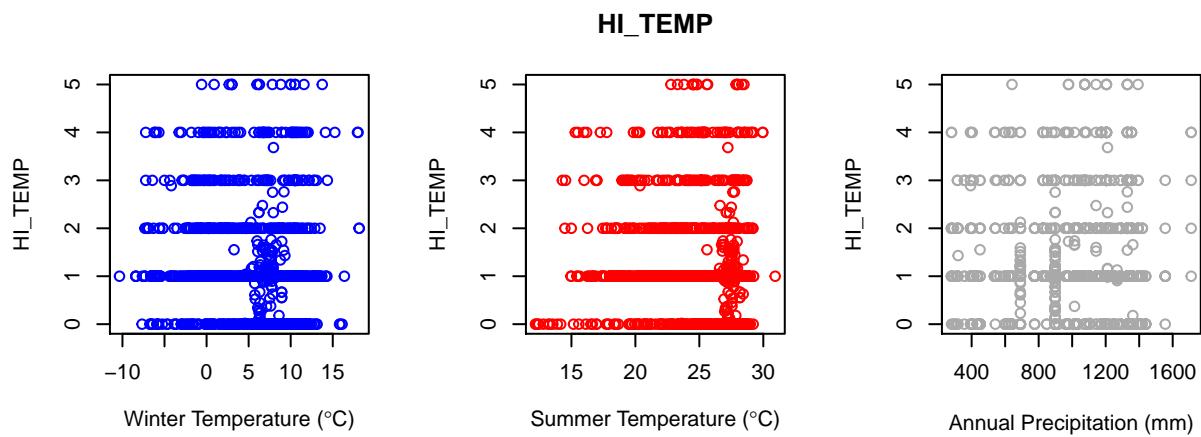
```
## NULL
```



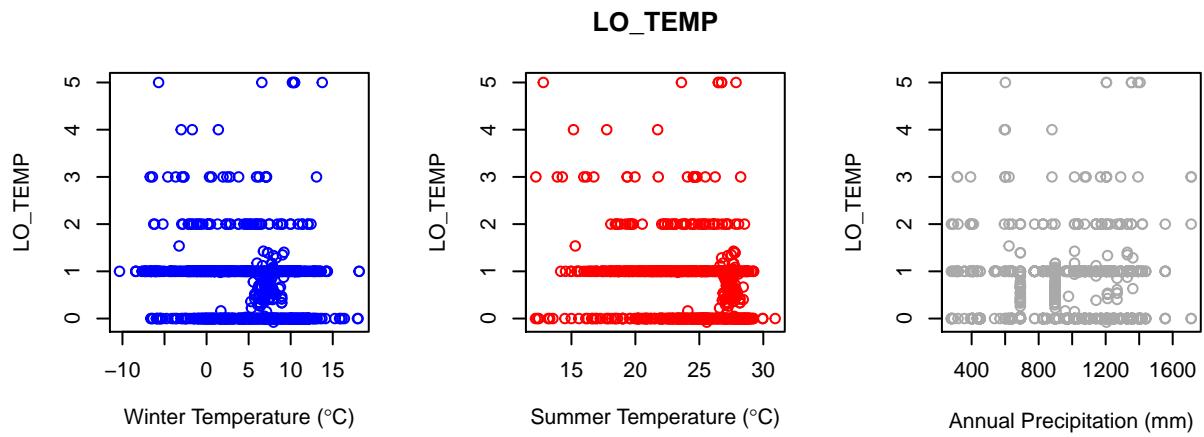
```
## NULL
```



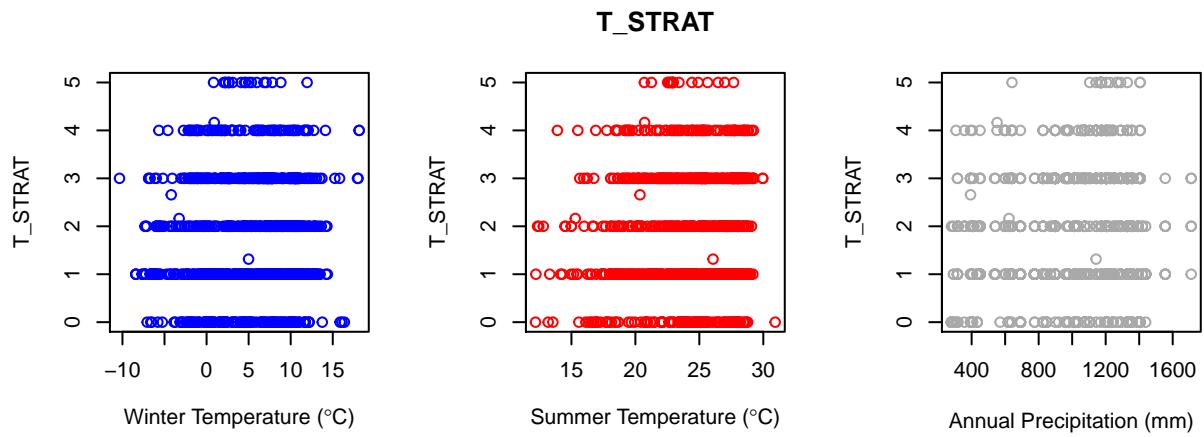
```
## NULL
```



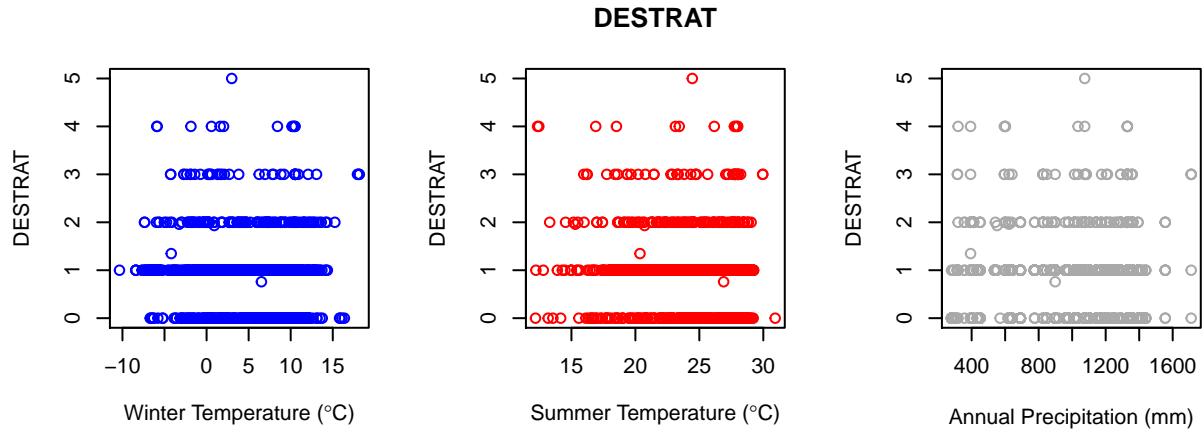
```
## NULL
```



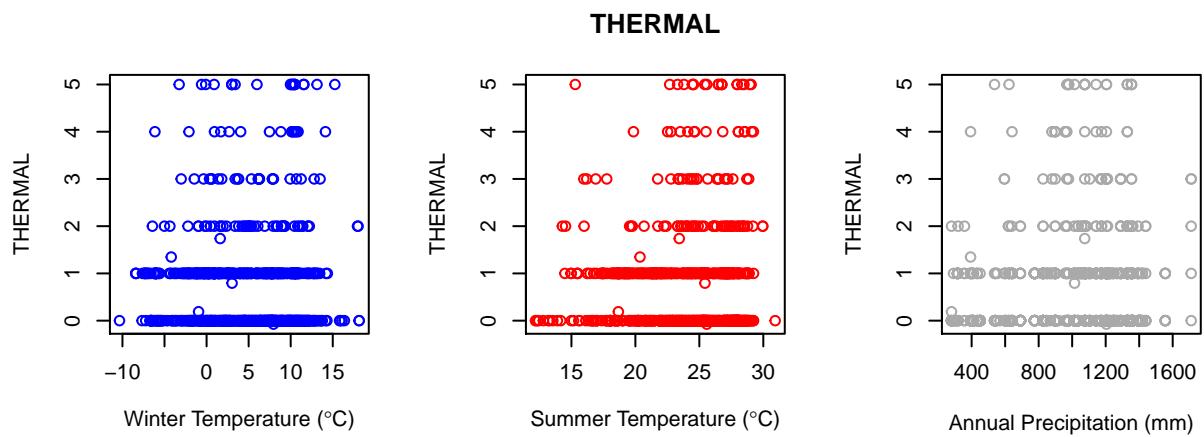
```
## NULL
```



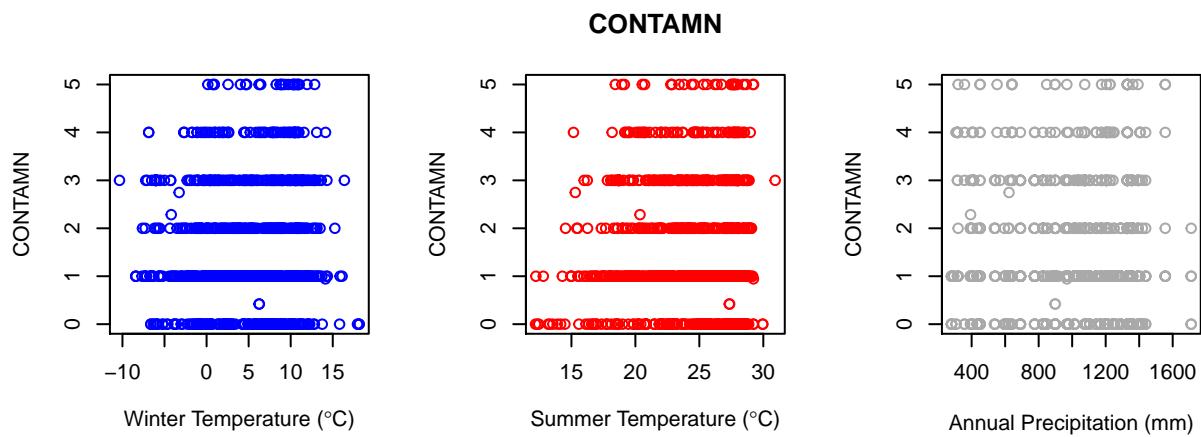
```
## NULL
```



```
## NULL
```

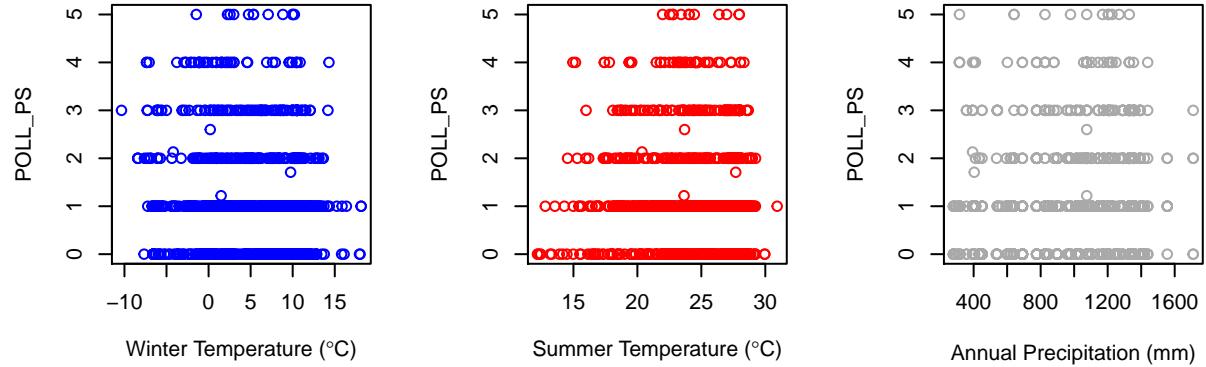


```
## NULL
```

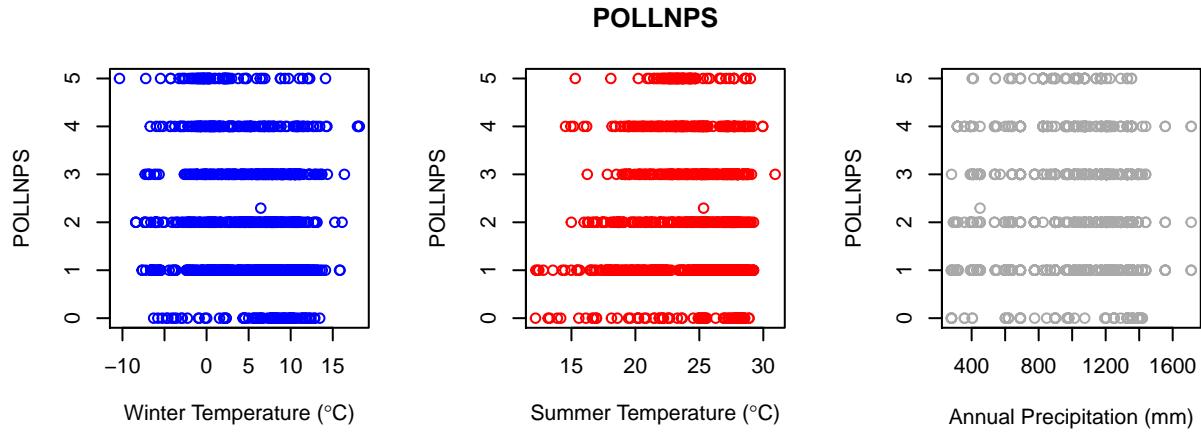


```
## NULL
```

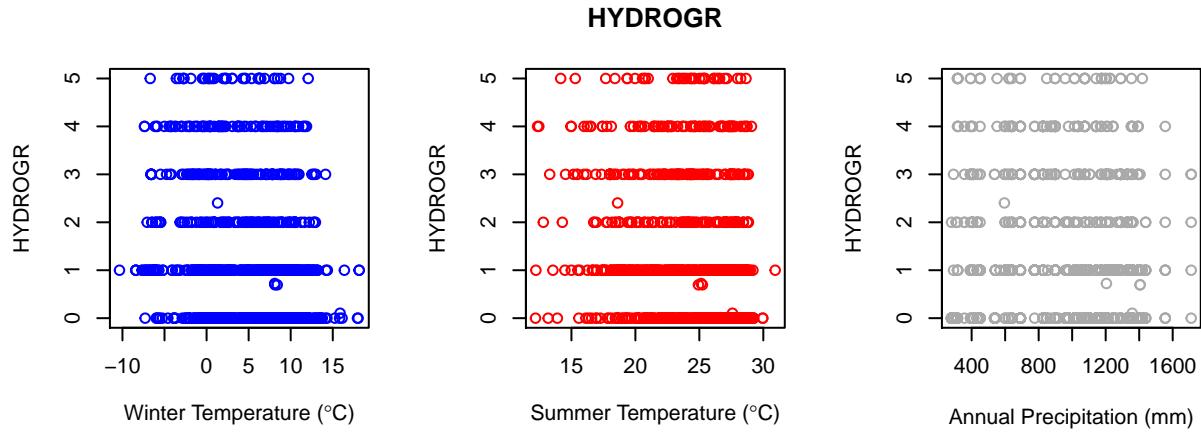
POLL_PS



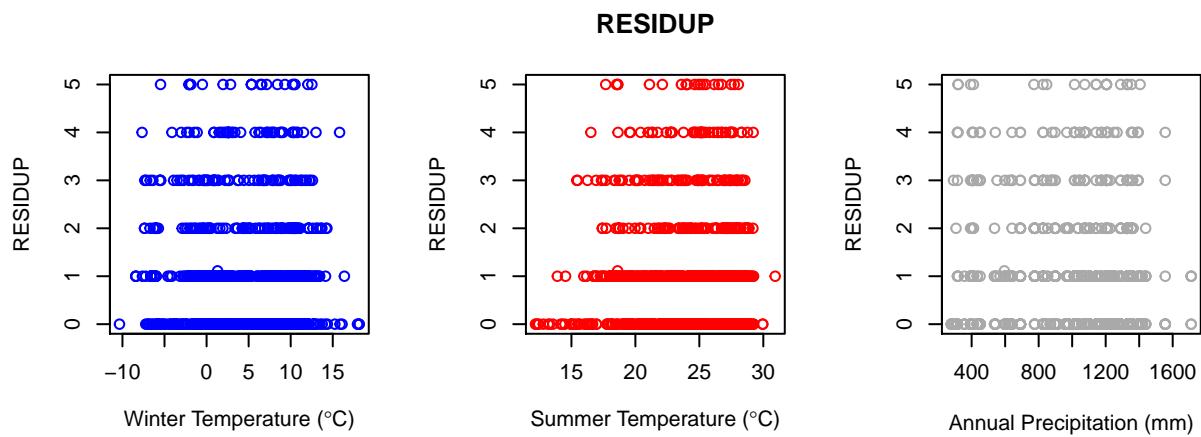
```
## NULL
```



```
## NULL
```

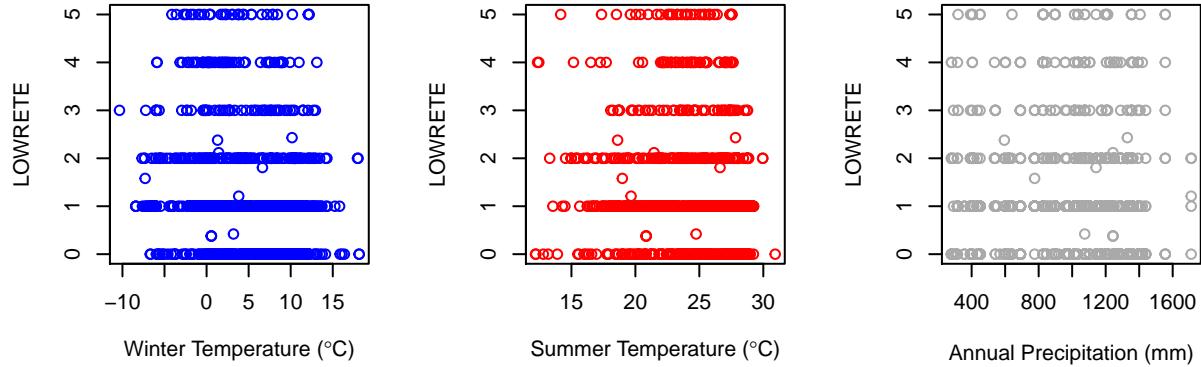


```
## NULL
```



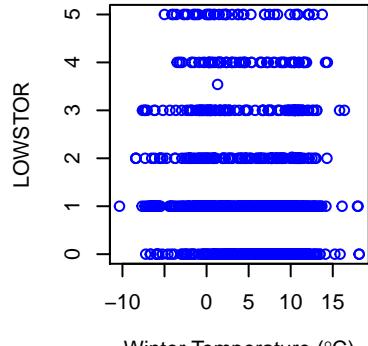
```
## NULL
```

LOWRETE

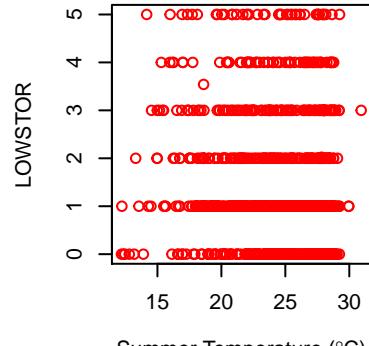


```
## NULL
```

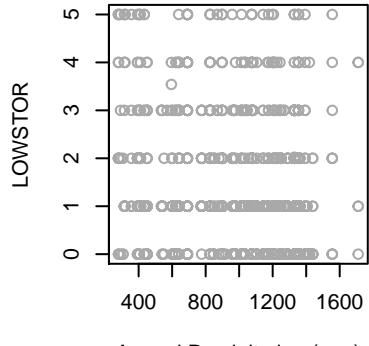
LOWSTOR



Winter Temperature ($^{\circ}\text{C}$)

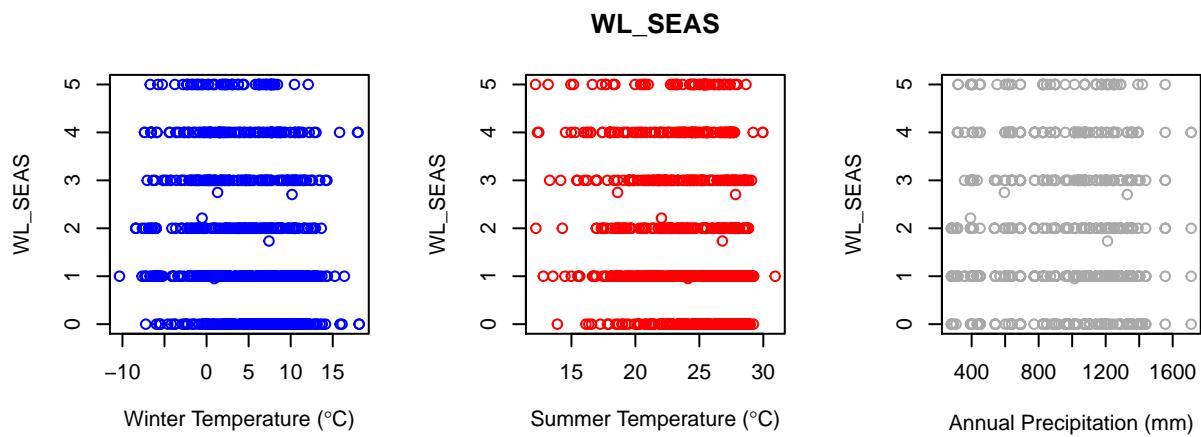


Summer Temperature ($^{\circ}\text{C}$)

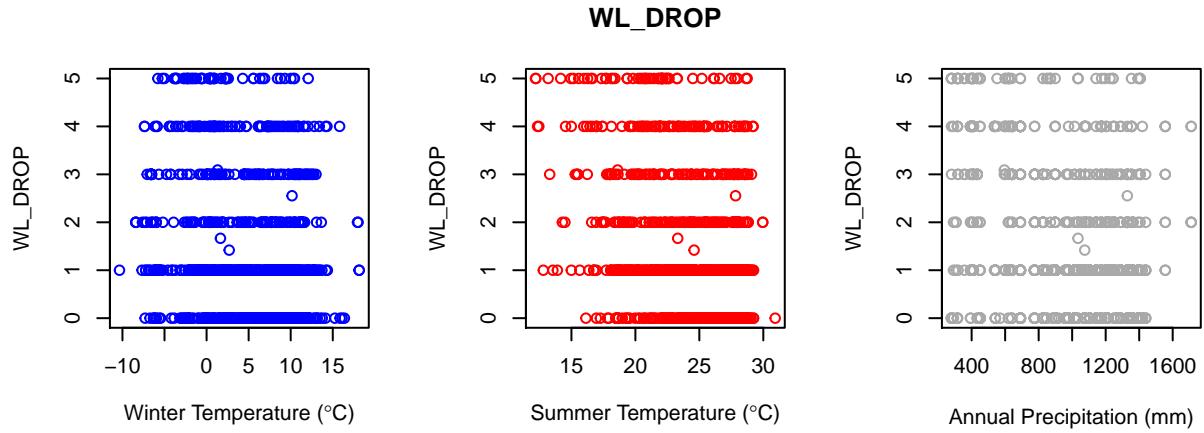


Annual Precipitation (mm)

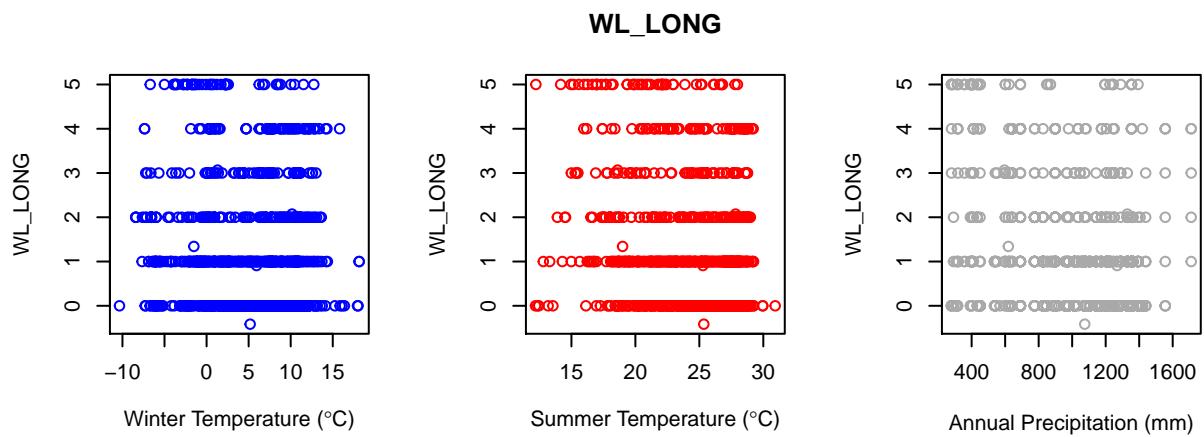
```
## NULL
```



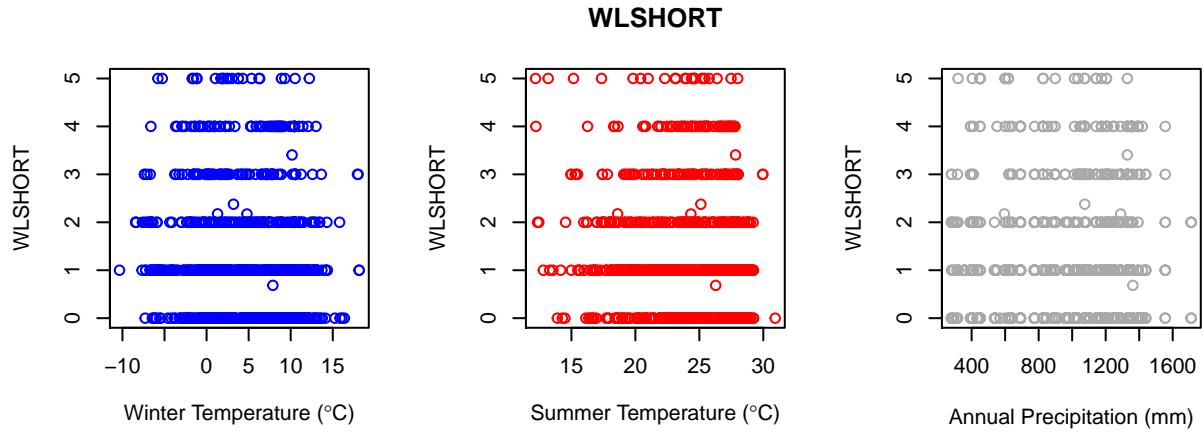
```
## NULL
```



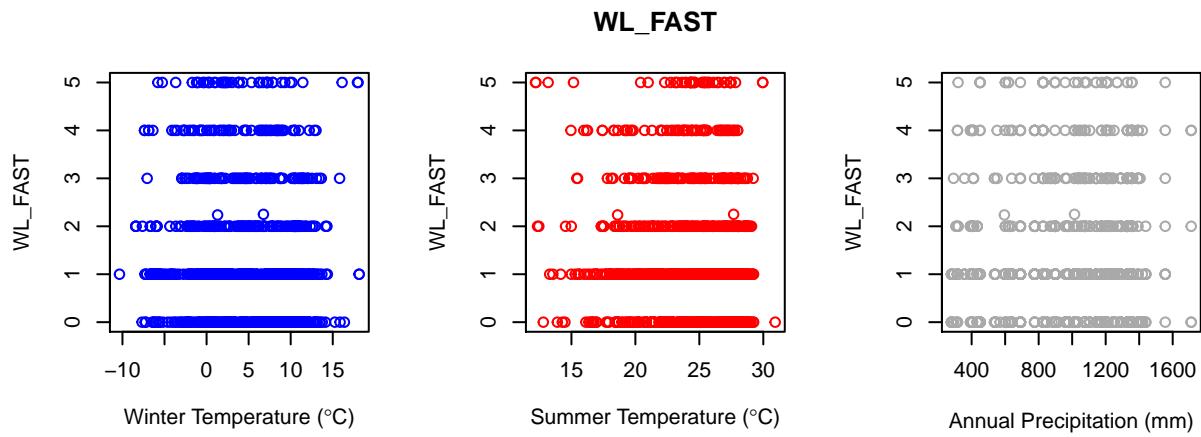
```
## NULL
```



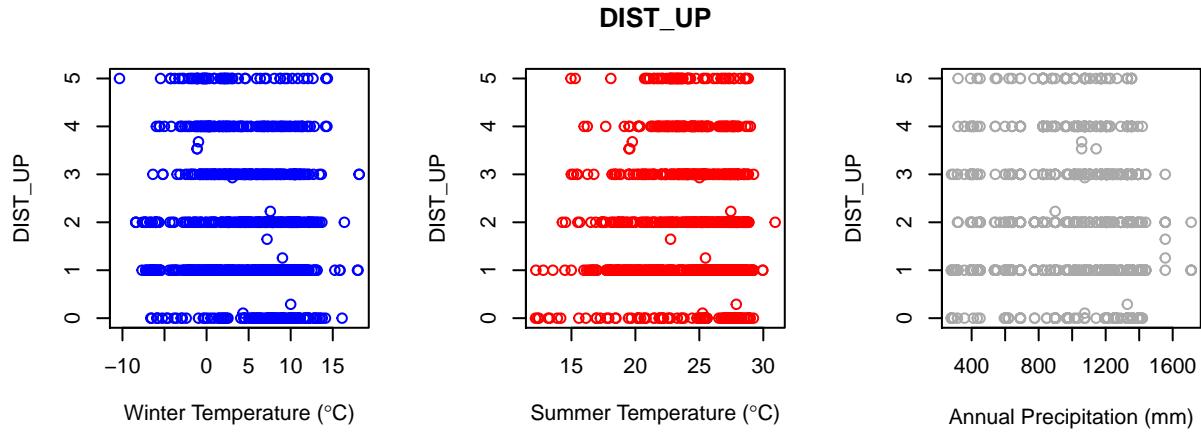
```
## NULL
```



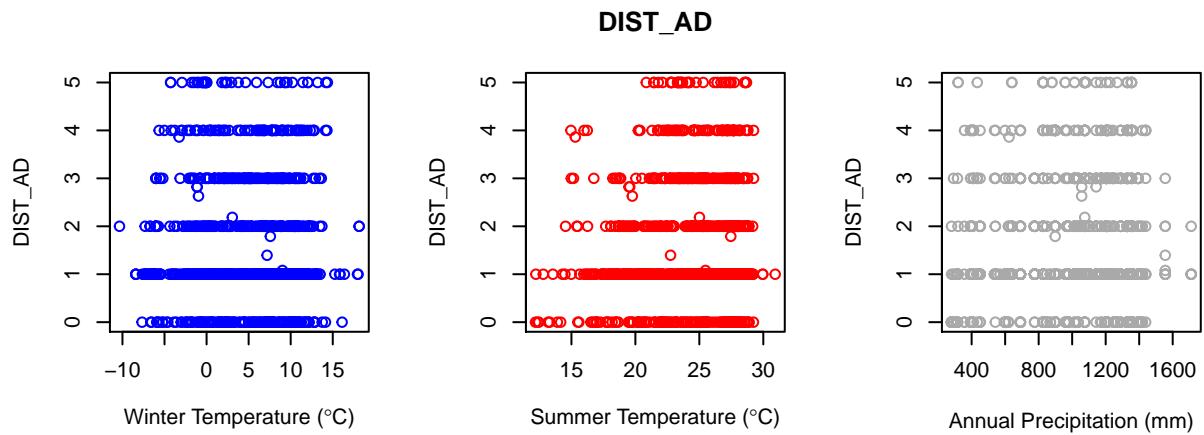
```
## NULL
```



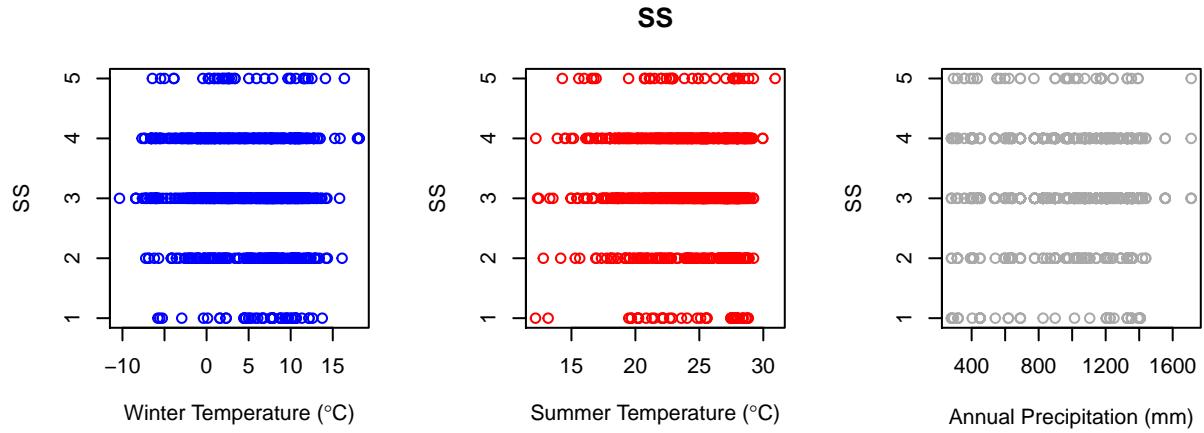
```
## NULL
```



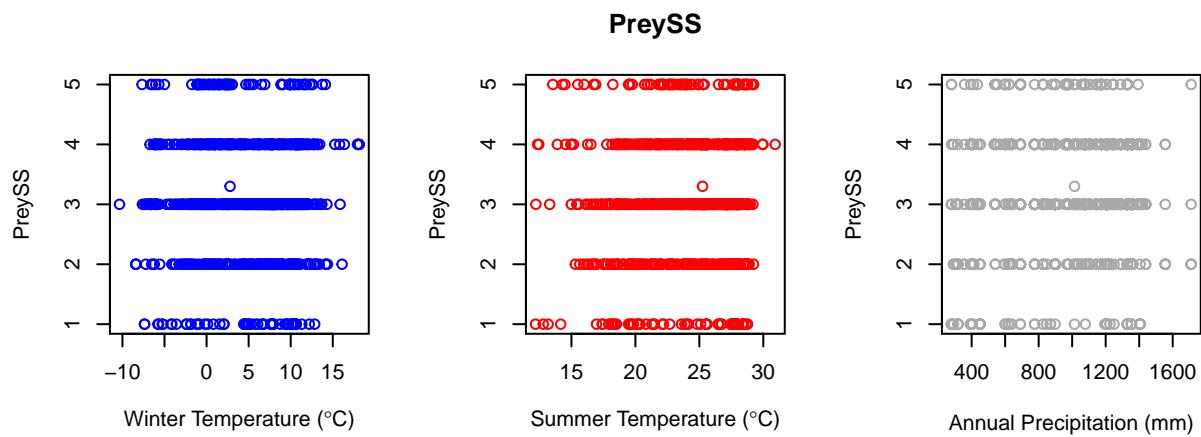
```
## NULL
```



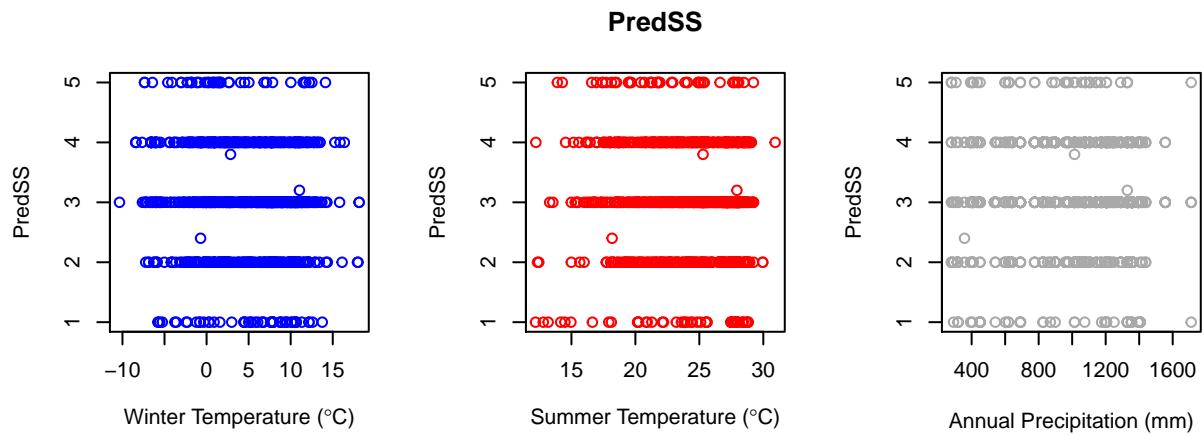
```
## NULL
```



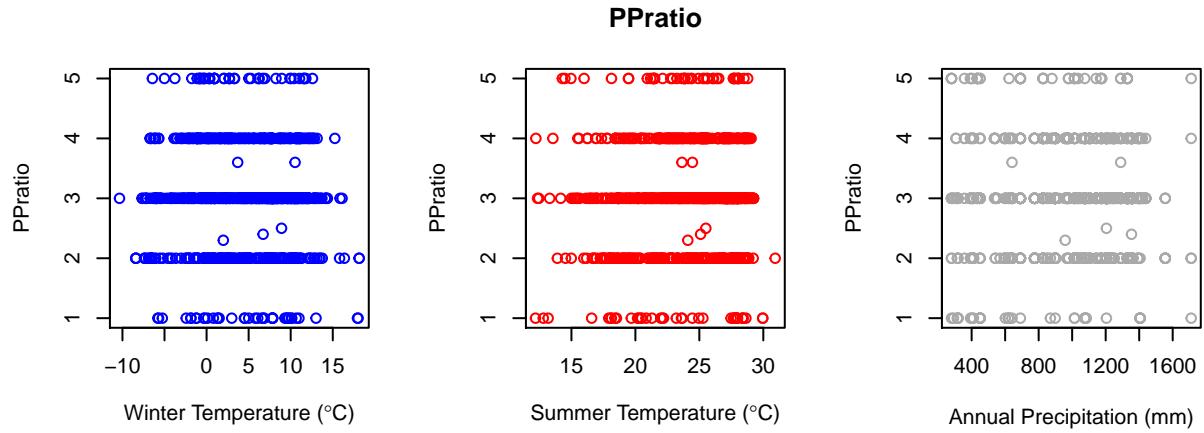
```
## NULL
```



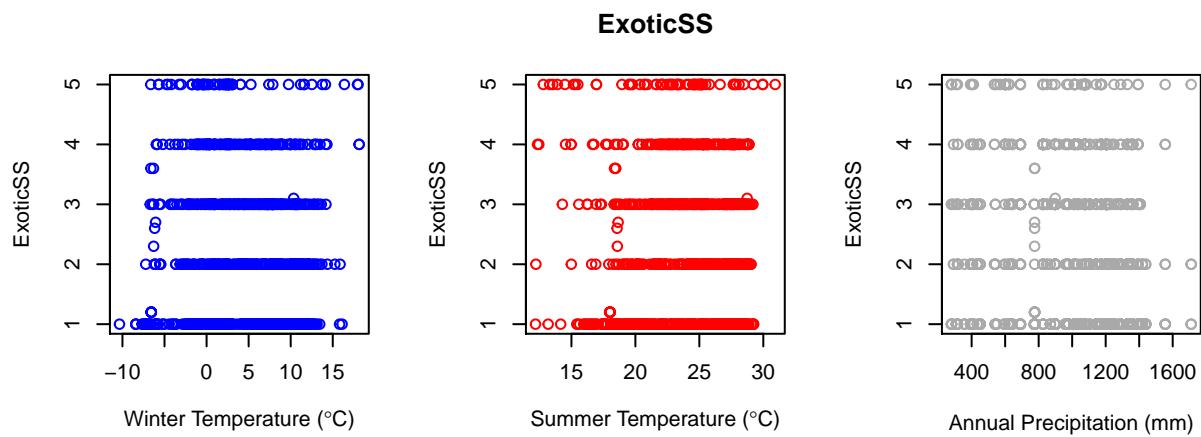
```
## NULL
```



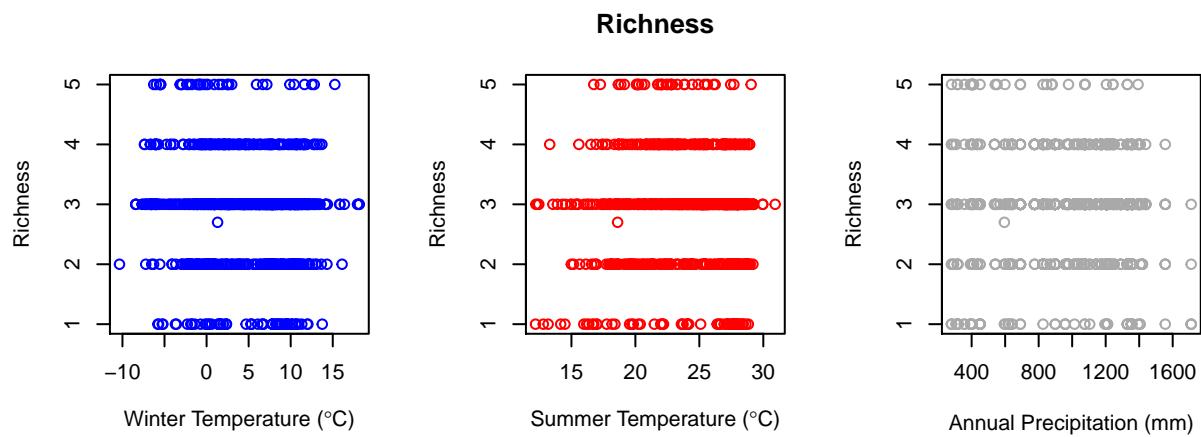
```
## NULL
```



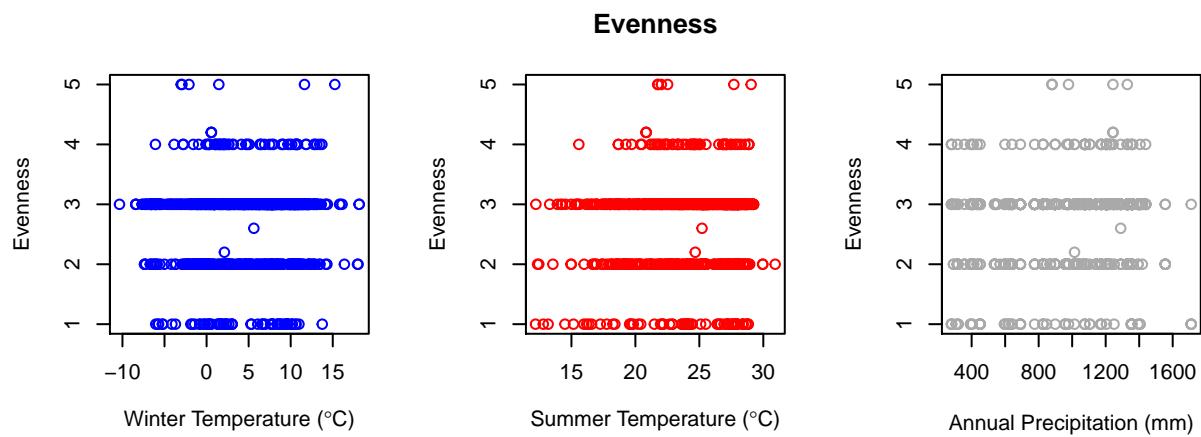
```
## NULL
```



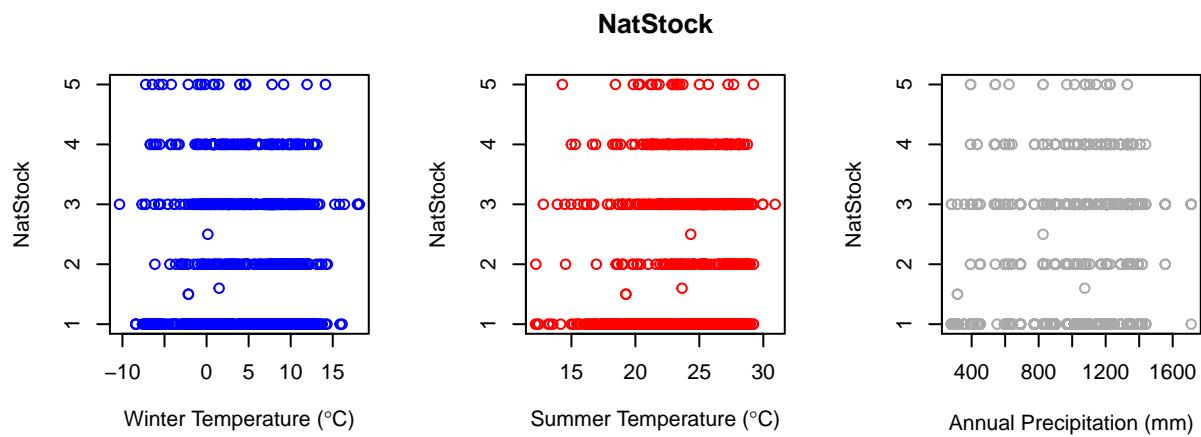
```
## NULL
```



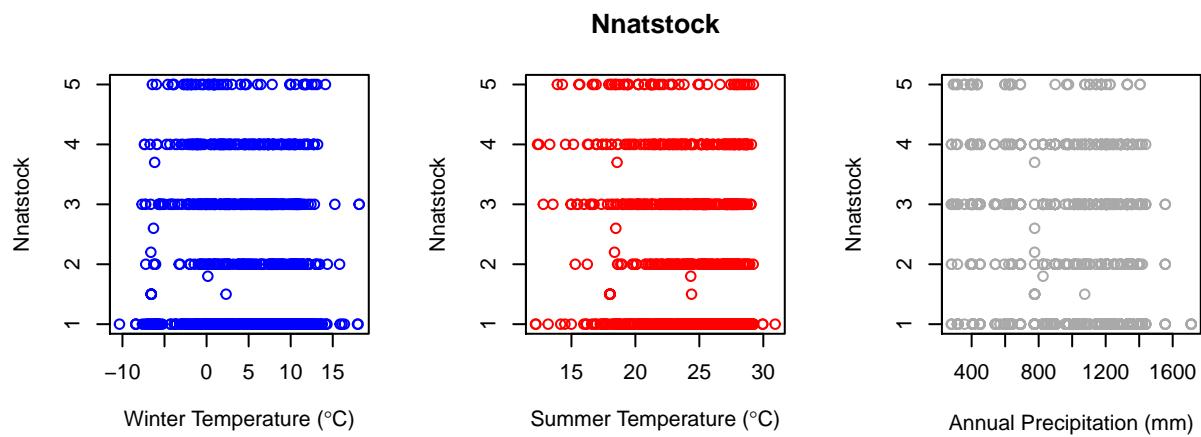
```
## NULL
```



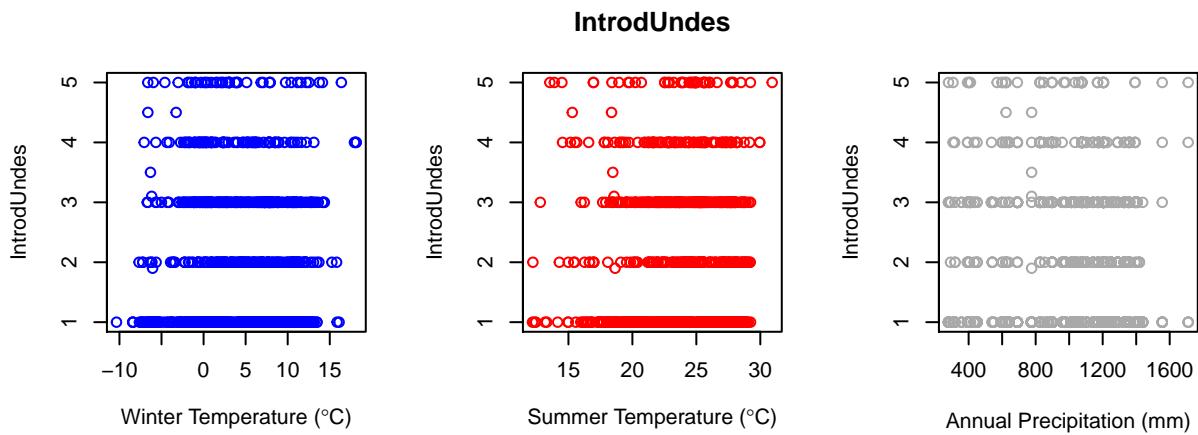
```
## NULL
```



```
## NULL
```

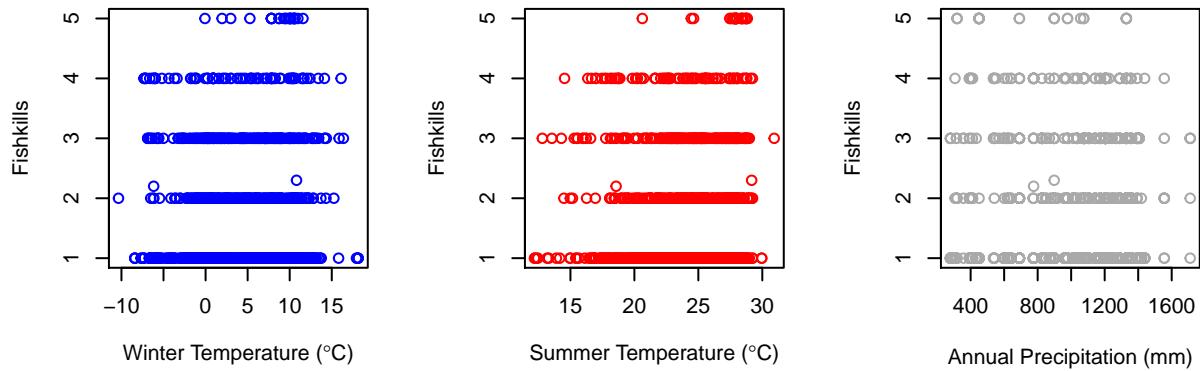


```
## NULL
```

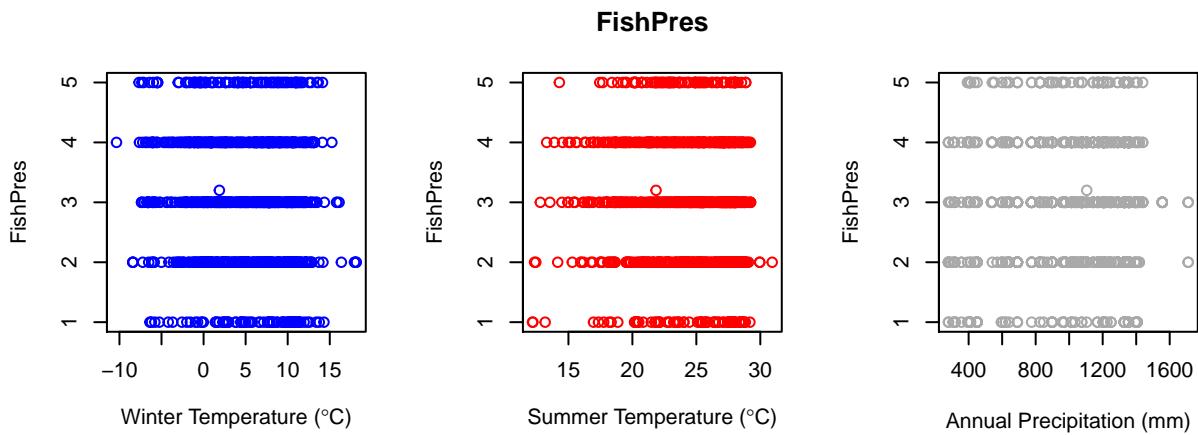


```
## NULL
```

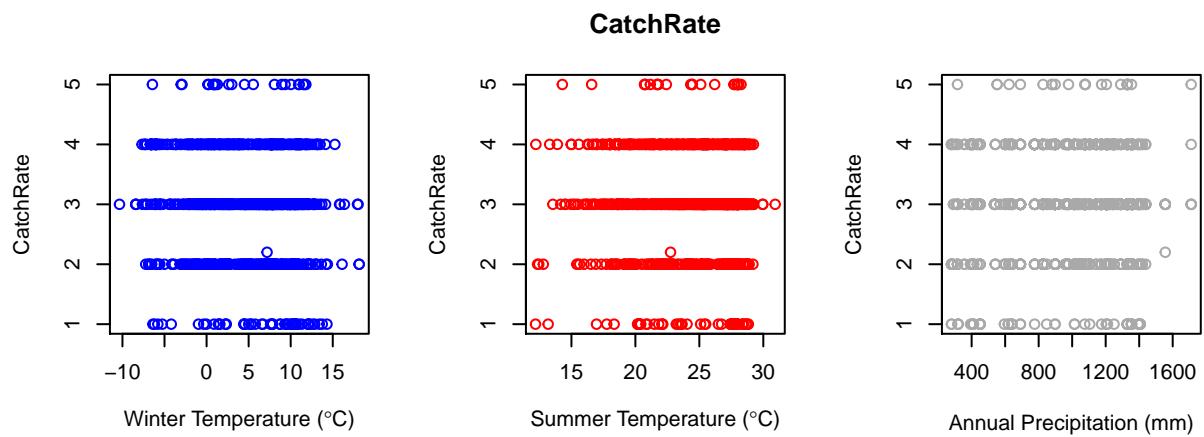
Fishkills



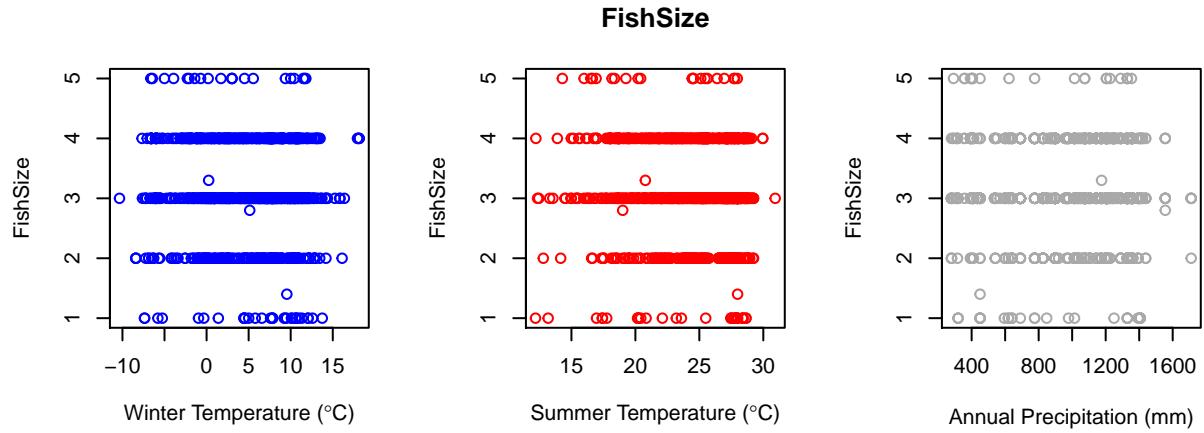
```
## NULL
```



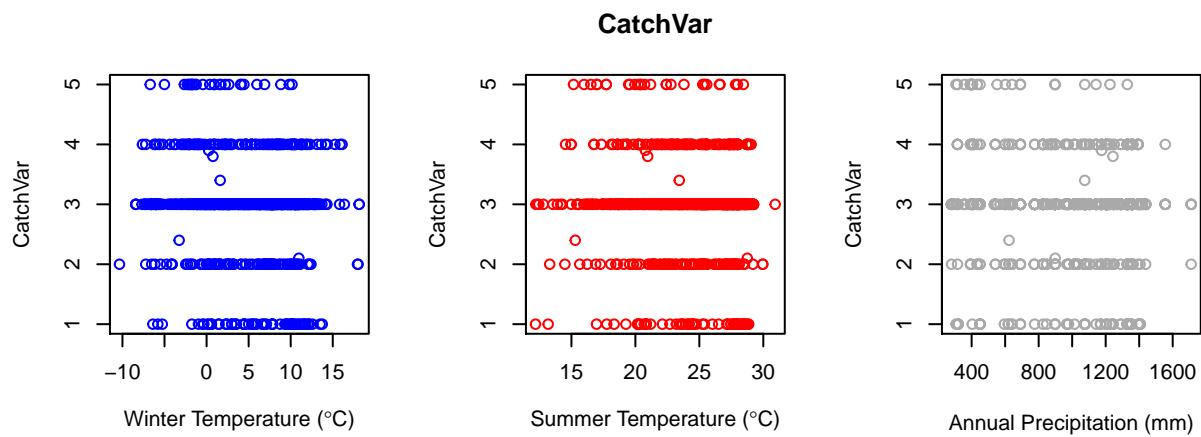
```
## NULL
```



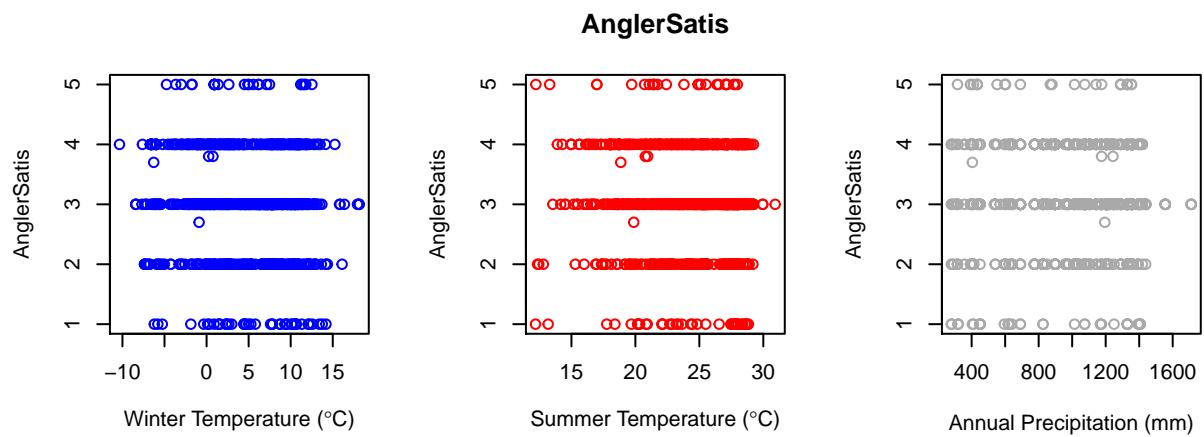
```
## NULL
```



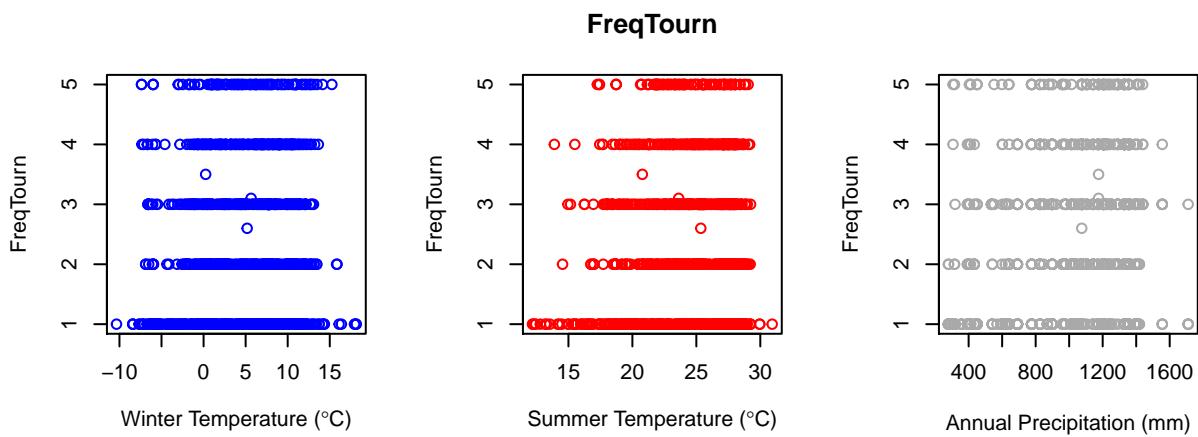
```
## NULL
```



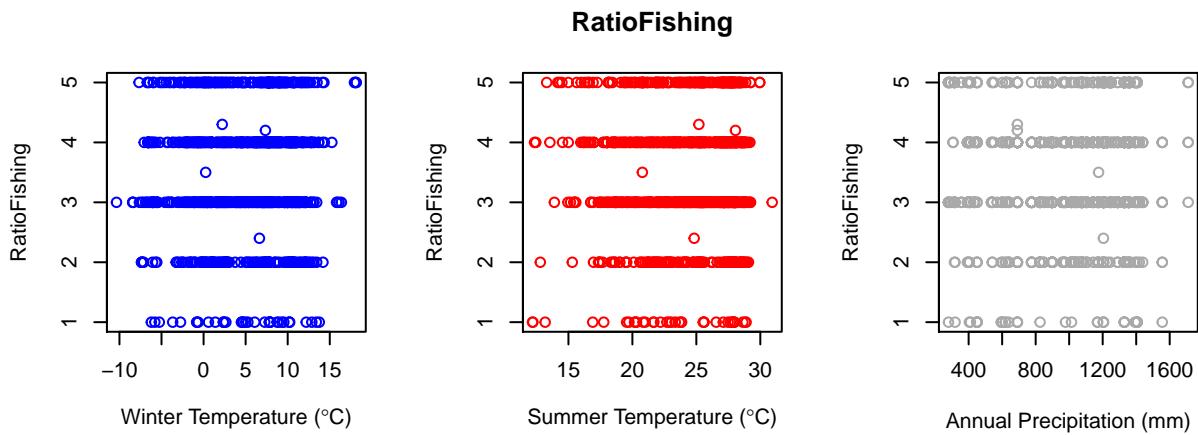
```
## NULL
```



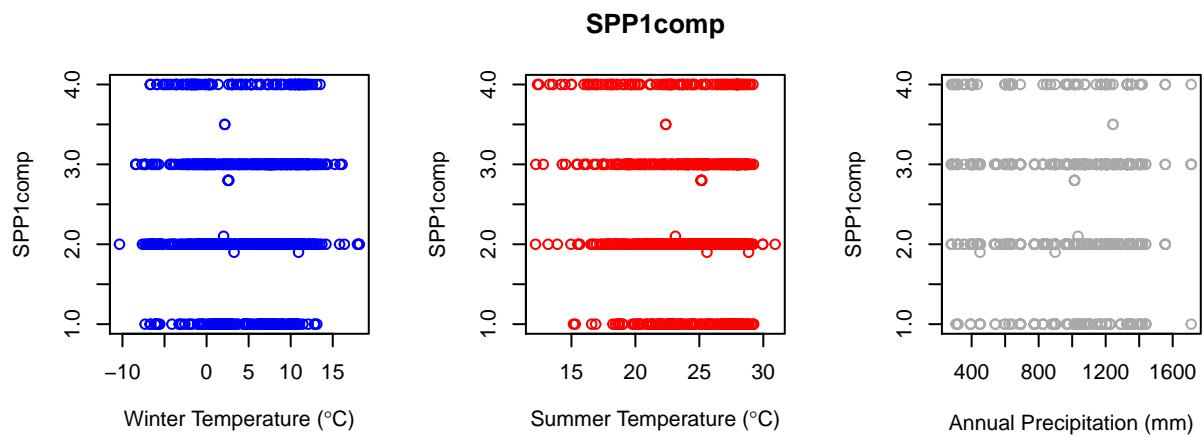
```
## NULL
```



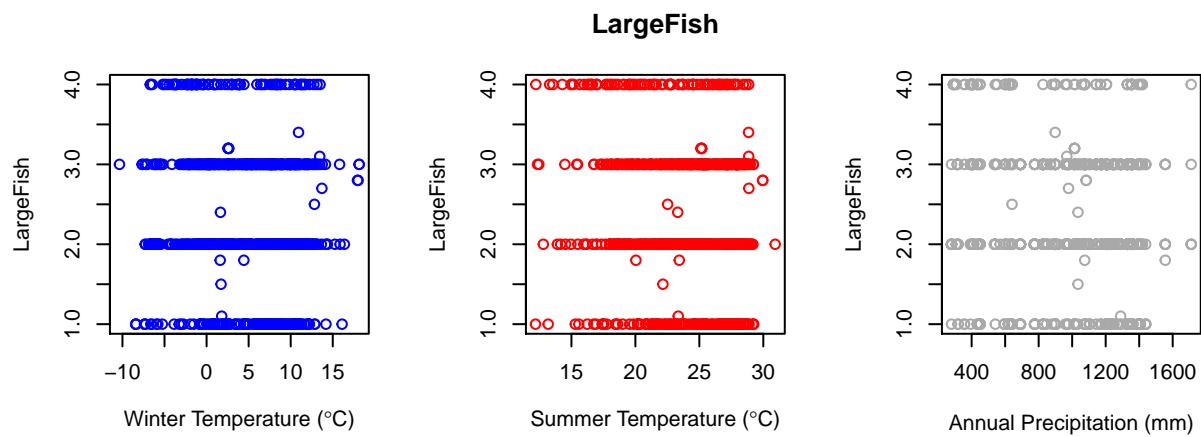
```
## NULL
```



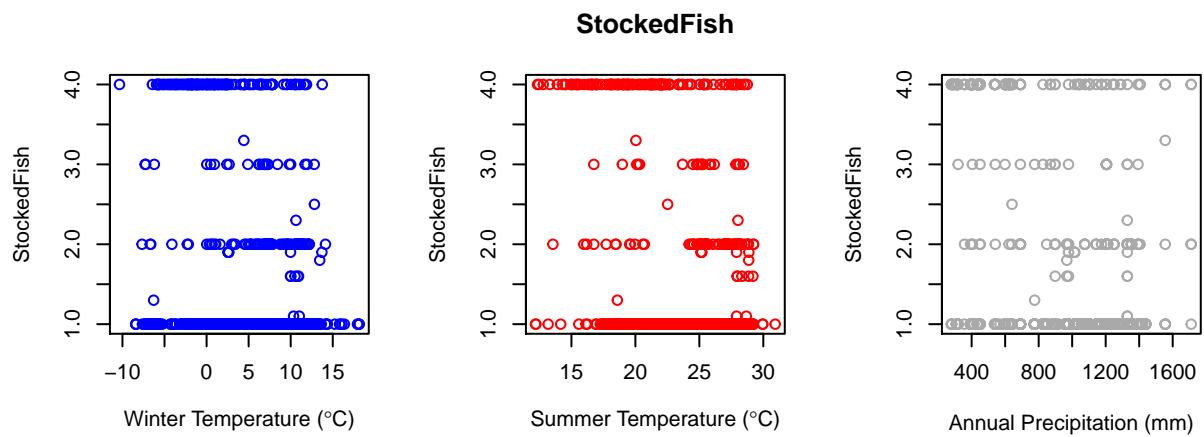
```
## NULL
```



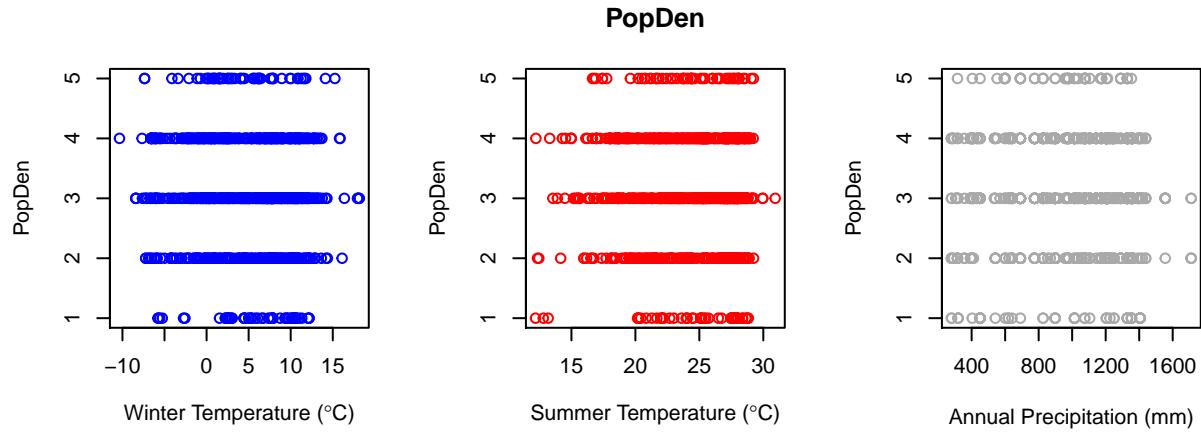
```
## NULL
```



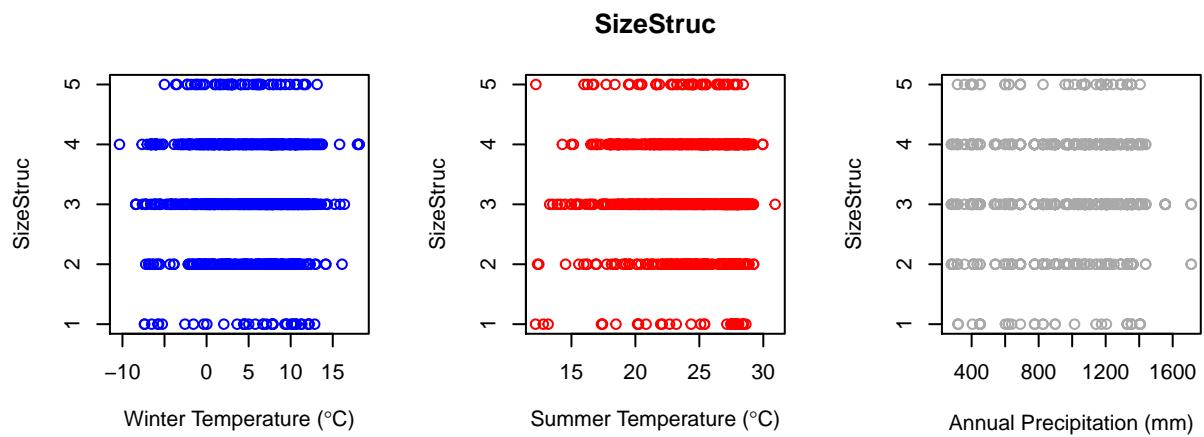
```
## NULL
```



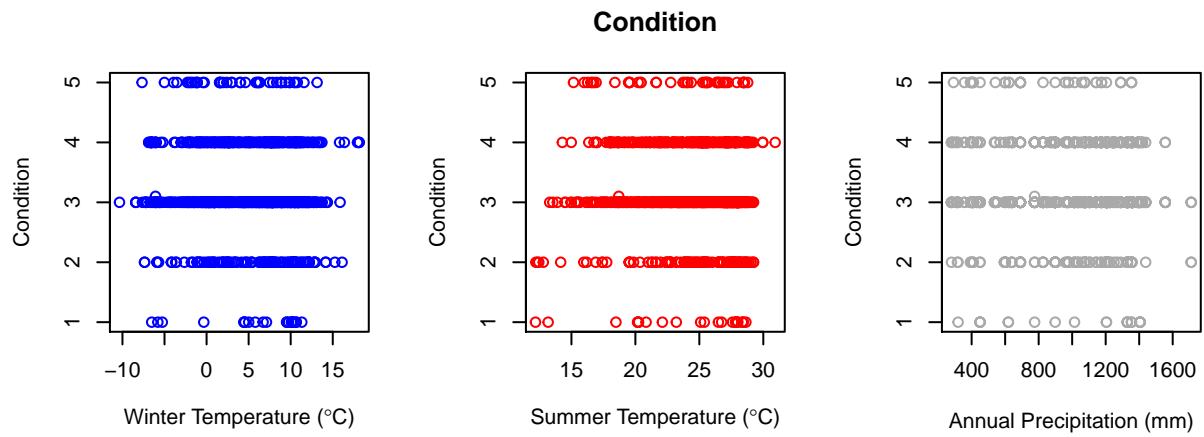
```
## NULL
```



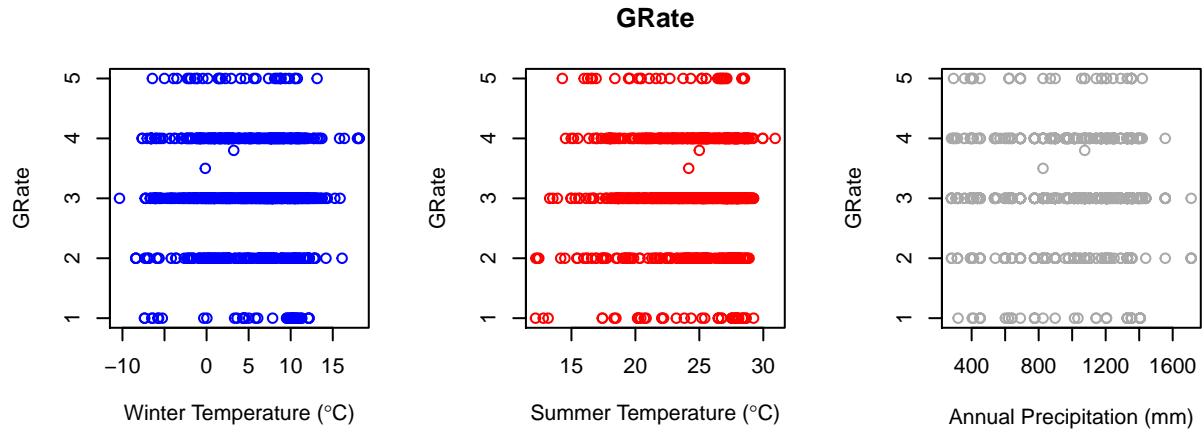
```
## NULL
```



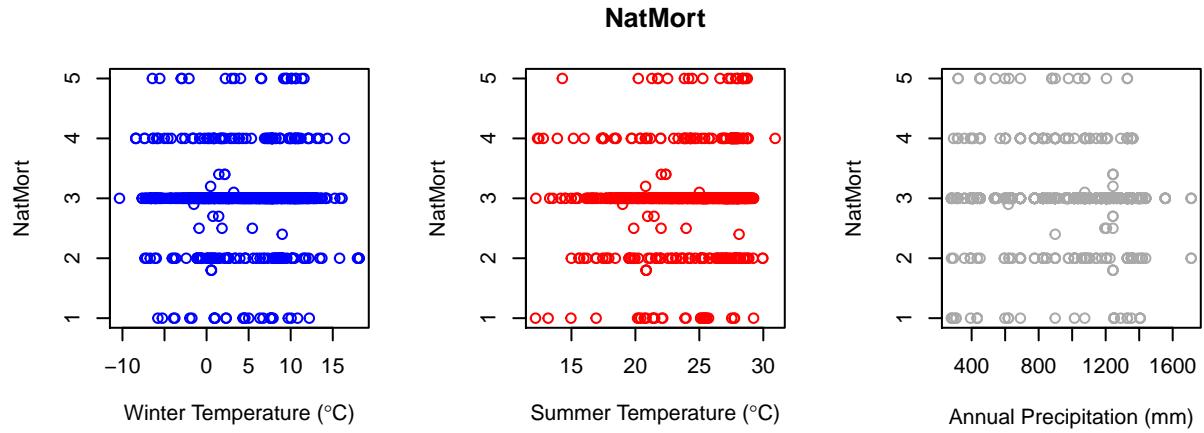
```
## NULL
```



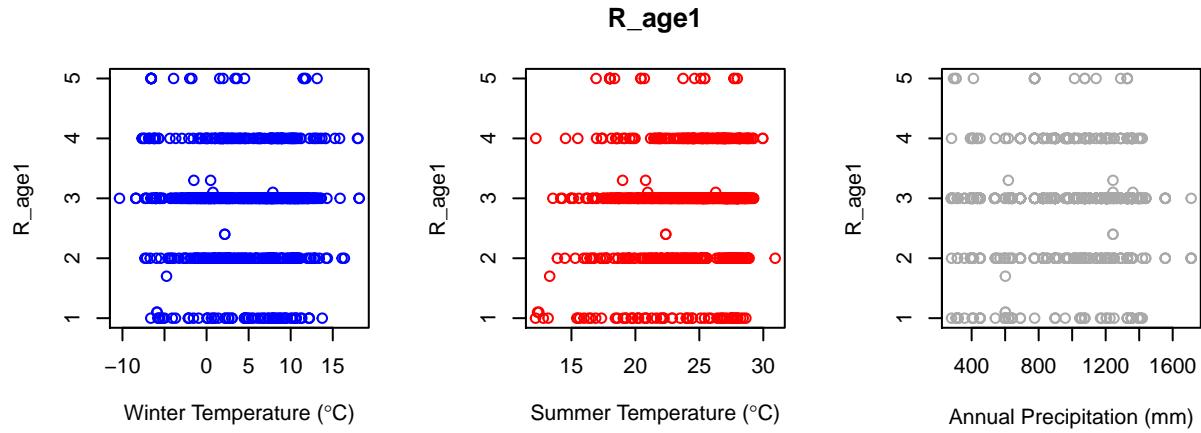
```
## NULL
```



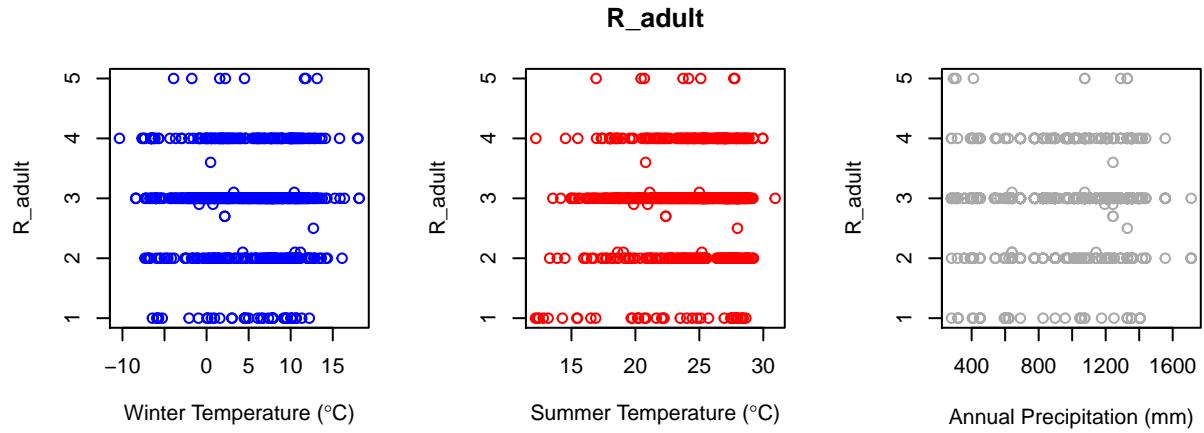
```
## NULL
```



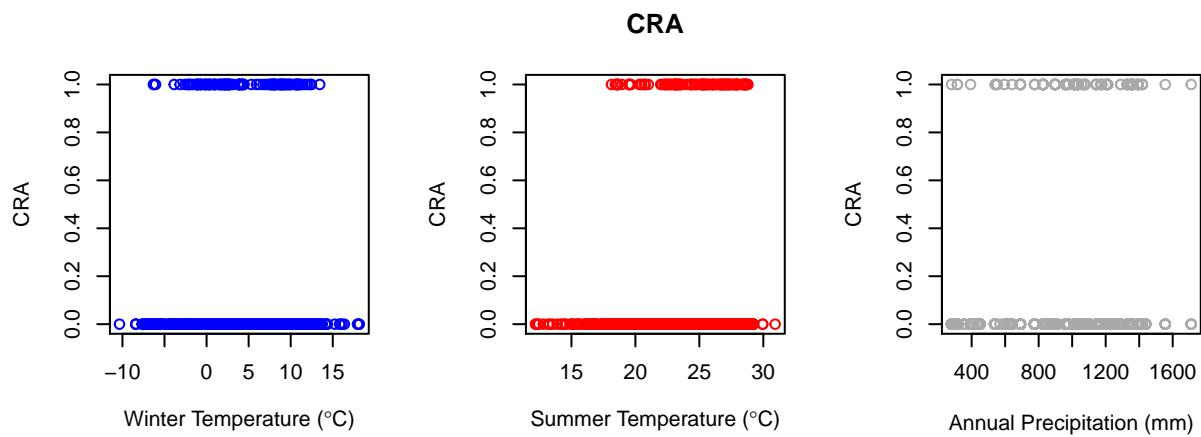
```
## NULL
```



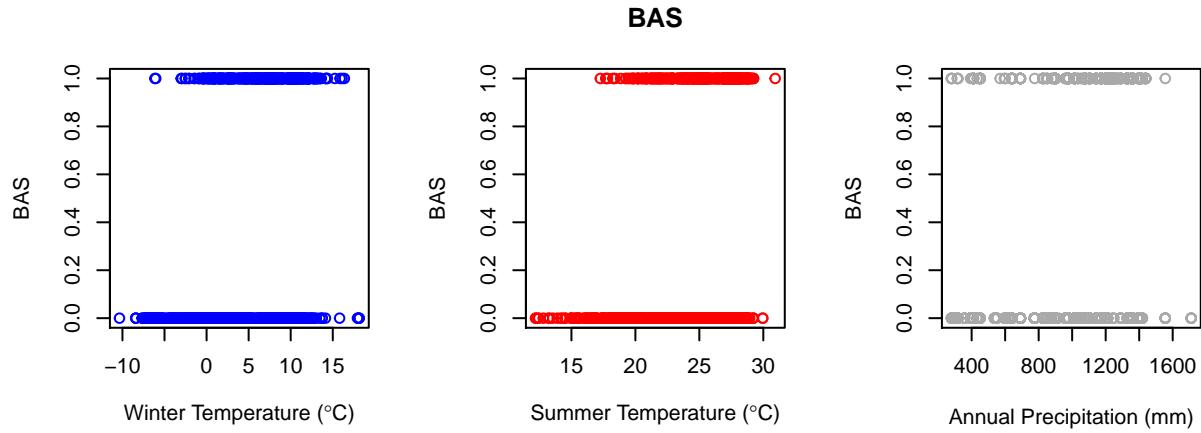
```
## NULL
```



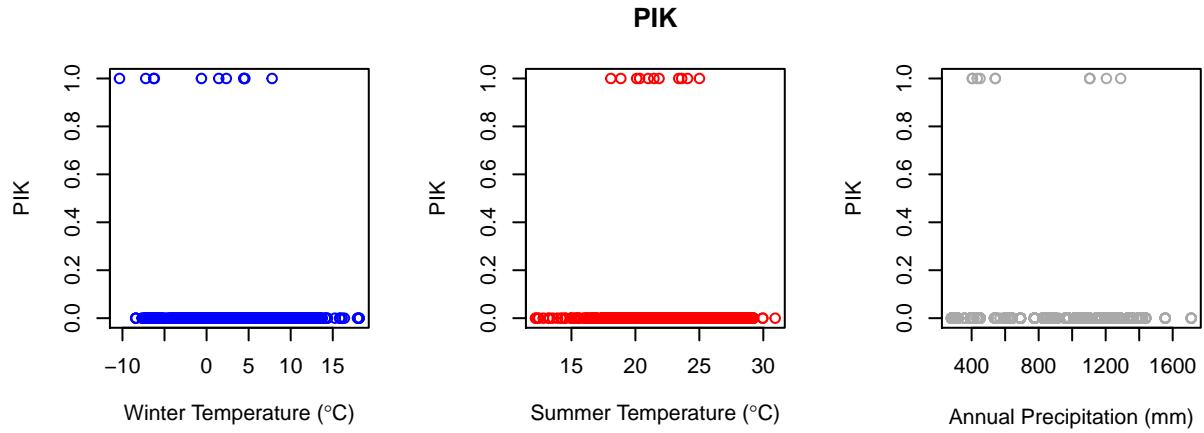
```
## NULL
```



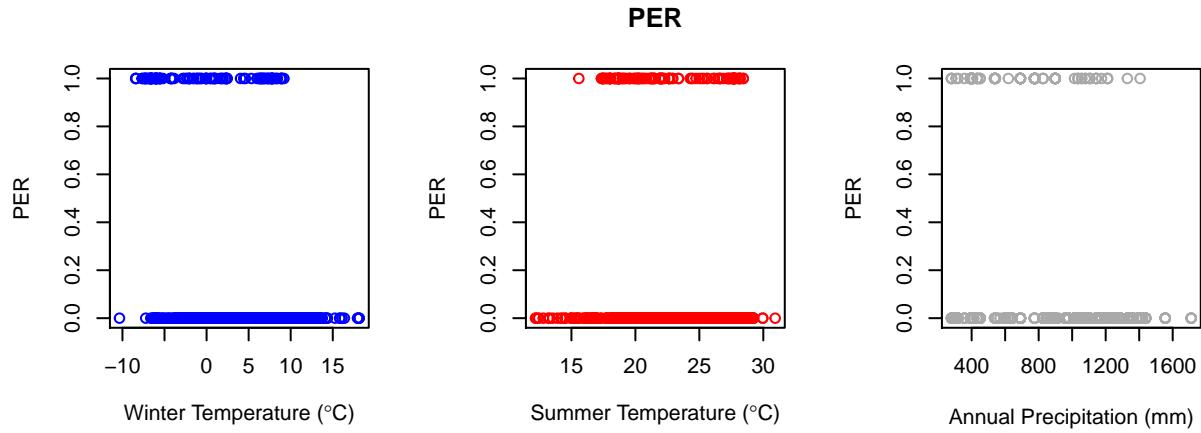
```
## NULL
```



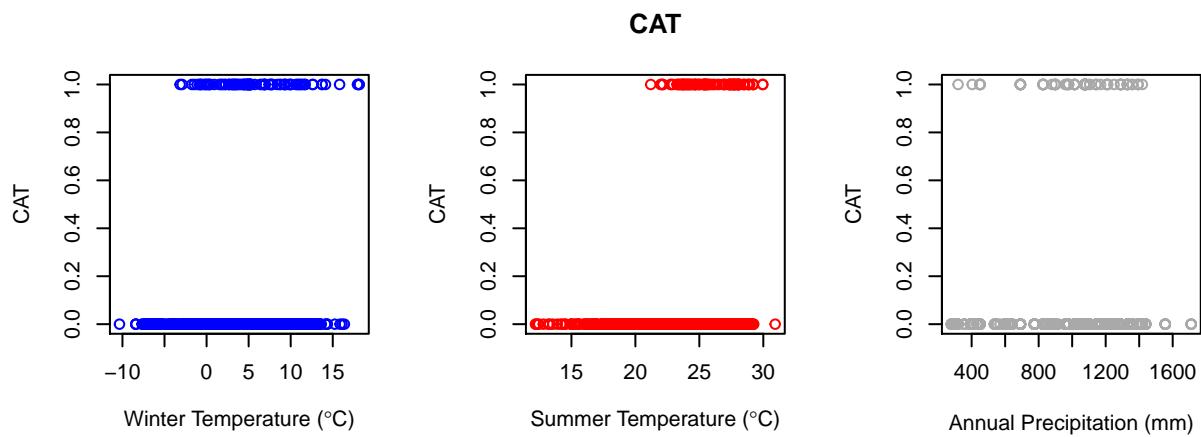
```
## NULL
```



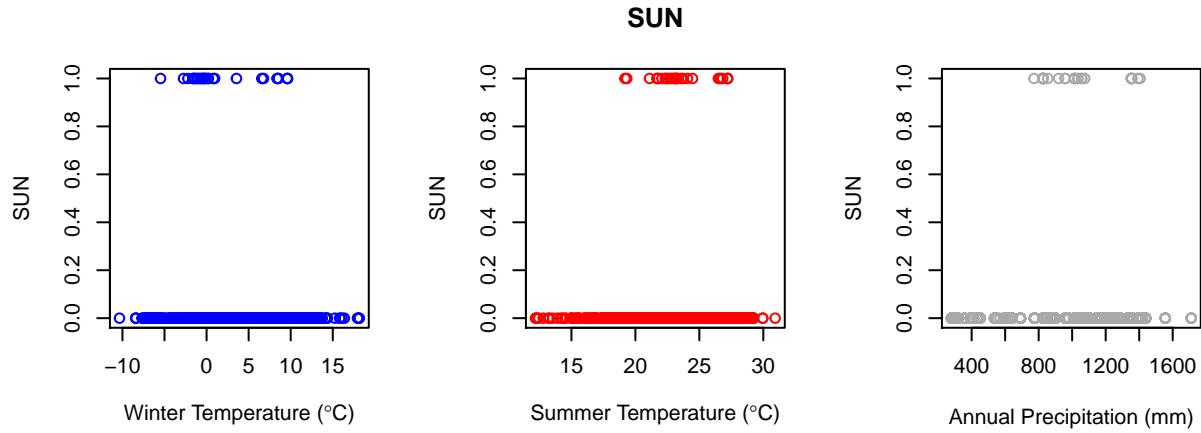
```
## NULL
```



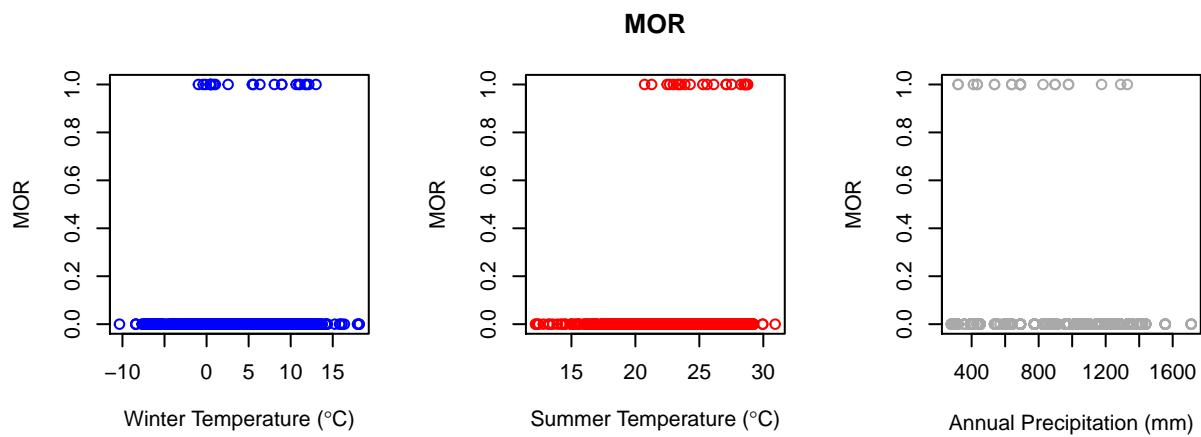
```
## NULL
```



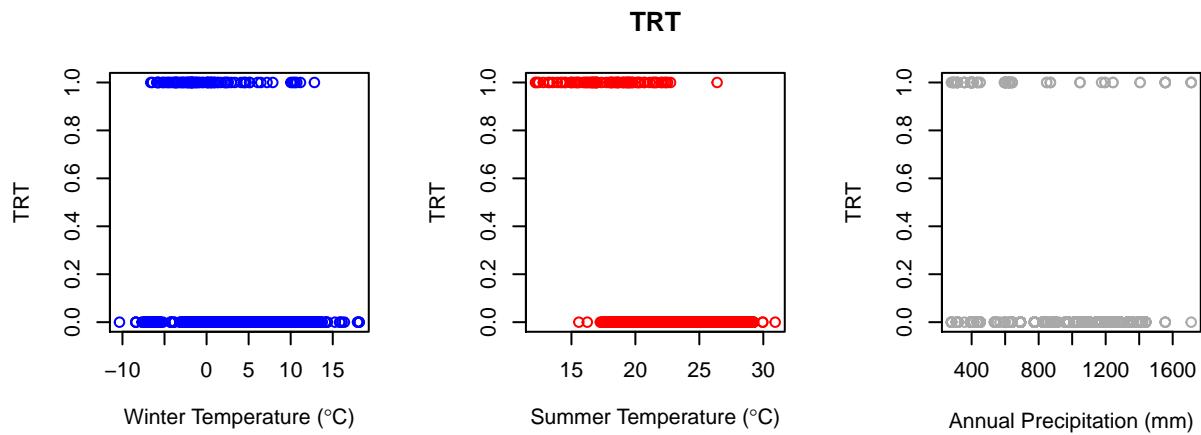
```
## NULL
```



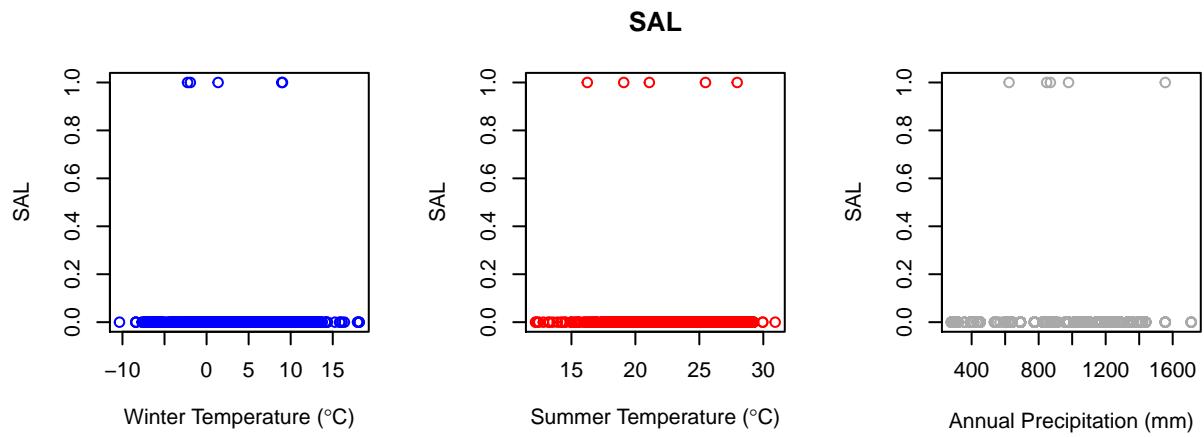
```
## NULL
```



```
## NULL
```



```
## NULL
```



```
## NULL
```