

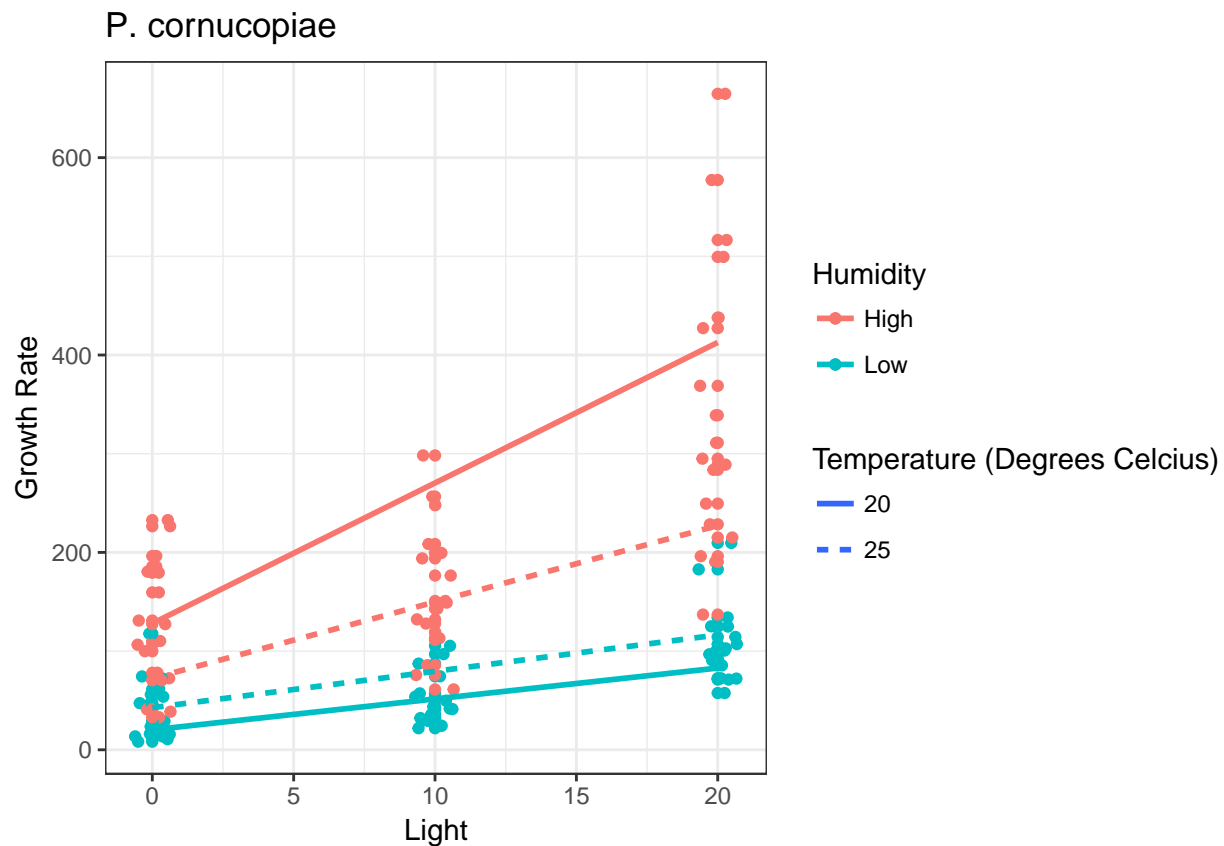
# Assignment5\_Model

Alyson DeNittis

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```
df = read.csv("C:/Users/Aly/Desktop/GIT/Data_Course_DeNittis/Assignments/mushroom_growth.csv")
pc = subset(df, Species == "P.cornucopiae")
po = subset(df, Species = "P. ostreotus")
library(ggplot2)

ggplot(pc, aes(x=Light, y=GrowthRate, col = Humidity, linetype = factor(Temperature)))+
  geom_jitter(width = .7 )+
  geom_point()+
  labs(y="Growth Rate", title = "P. cornucopiae")+
  scale_linetype_discrete(name = "Temperature (Degrees Celcius)")+
  stat_smooth(method = "lm", se = FALSE)+
  theme_bw()
```



```
ggplot(po, aes(x=Light, y=GrowthRate, col = Humidity, linetype = factor(Temperature)))+
  geom_jitter(width = .7 )+
  geom_point()+
  labs(y="Growth Rate", title = "P. ostreotus")+
  scale_linetype_discrete(name = "Temperature (Degrees Celcius)")+
  stat_smooth(method = "lm", se = FALSE)+
```

```
theme_bw()
```

