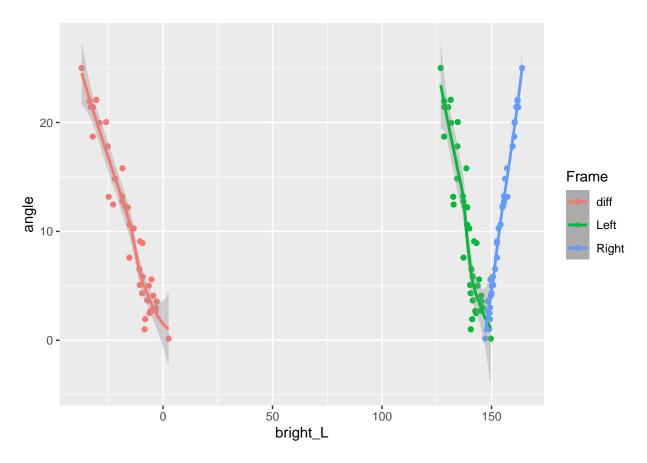
Yeti 3

Horizontal

x dplyr::lag() masks stats::lag()

```
D_yeti3 %>%
  ggplot(aes(y = angle)) +
  geom_point(aes(x = bright_L, col = "Left")) +
  geom_point(aes(x = bright_R, col = "Right")) +
  geom_point(aes(x = bright_diff, col = "diff")) +
  geom_smooth(aes(x = bright_L, col = "Left")) +
  geom_smooth(aes(x = bright_R, col = "Right")) +
  geom_smooth(aes(x = bright_diff, col = "diff")) +
  labs(col = "Frame")
```

```
## 'geom_smooth()' using method = 'loess' and formula 'y ~ x'
## 'geom_smooth()' using method = 'loess' and formula 'y ~ x'
## 'geom_smooth()' using method = 'loess' and formula 'y ~ x'
```



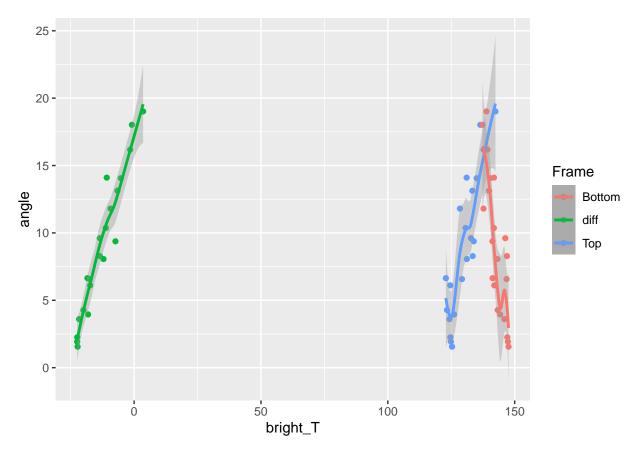
```
M_0 <- lm(x ~ bright_L * bright_R, data = D_yeti3)
M_1 <- lm(x ~ bright_L + bright_R, data = D_yeti3)
M_2 <- lm(x ~ bright_diff, data = D_yeti3)
M_3 <- lm(x ~ bright_L, data = D_yeti3)
M_4 <- lm(x ~ bright_R, data = D_yeti3)
AIC(M_0, M_1, M_2, M_3) %>%
arrange(AIC)
```

```
## df AIC
## M_1 4 379.1480
## M_0 5 381.1293
## M_2 3 442.1058
## M_3 3 476.7332
```

Vertical

```
D_yeti3 %>%
  ggplot(aes(y = angle)) +
  geom_point(aes(x = bright_T, col = "Top")) +
  geom_point(aes(x = bright_B, col = "Bottom")) +
  geom_point(aes(x = bright_diff, col = "diff")) +
  geom_smooth(aes(x = bright_T, col = "Top")) +
  geom_smooth(aes(x = bright_B, col = "Bottom")) +
  geom_smooth(aes(x = bright_diff, col = "diff")) +
  labs(col = "Frame")
```

```
## 'geom_smooth()' using method = 'loess' and formula 'y ~ x'
## 'geom_smooth()' using method = 'loess' and formula 'y ~ x'
## 'geom_smooth()' using method = 'loess' and formula 'y ~ x'
```



```
M_0 <- lm(x ~ bright_T * bright_B, data = D_yeti3)
M_1 <- lm(x ~ bright_T + bright_B, data = D_yeti3)
M_2 <- lm(x ~ bright_diff, data = D_yeti3)
M_3 <- lm(x ~ bright_T, data = D_yeti3)</pre>
```

```
M_4 <- lm(x ~ bright_B, data = D_yeti3)

AIC(M_0, M_1, M_2, M_3) %>%
    arrange(AIC)
```

df AIC ## M_2 3 232.4798 ## M_1 4 233.5975 ## M_0 5 234.7351 ## M_3 3 258.4298