

```

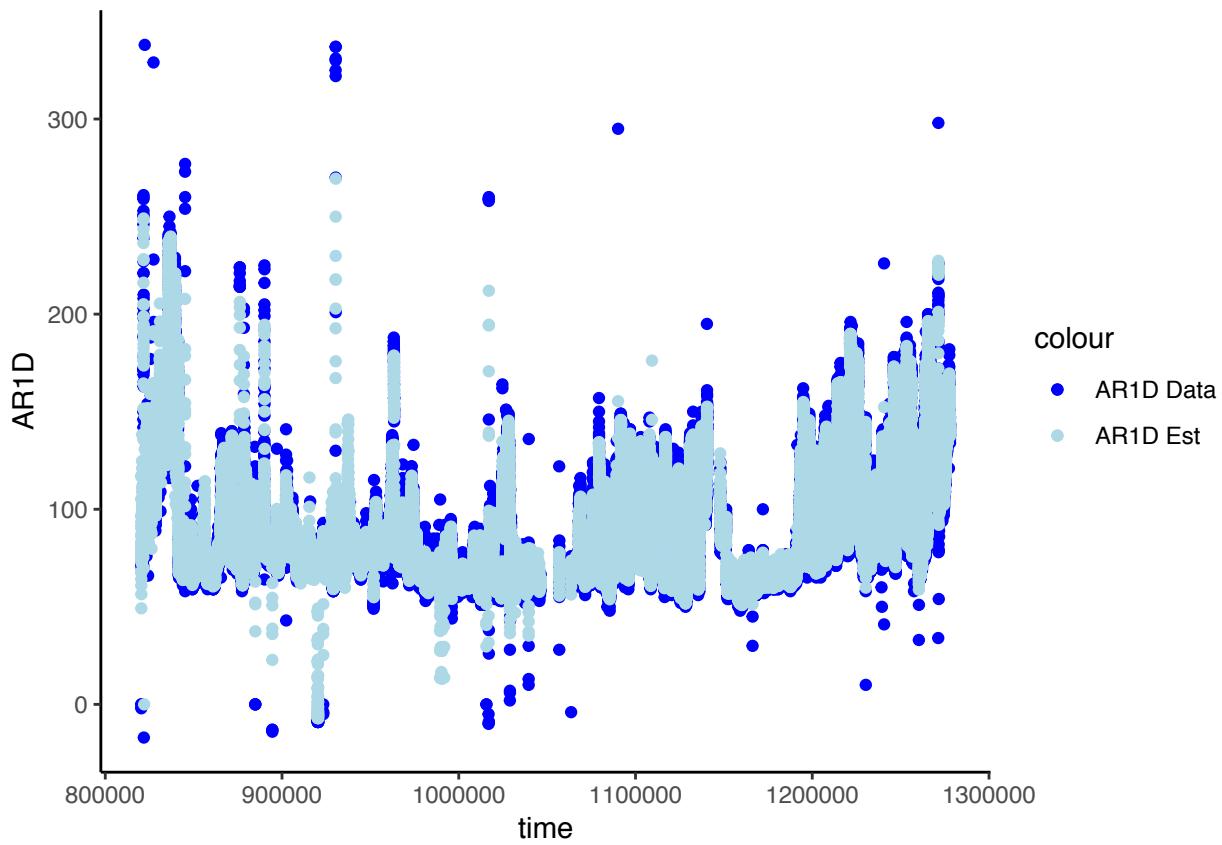
est.AR1 <- my_kalman_2(p21.clean)

pred.ar1d <- ggplot(est.AR1) + geom_point(aes(x=time, y=AR1D, colour="AR1D Data")) +
  geom_point(aes(x=time, y=est1, colour="AR1D Est")) +
  scale_color_manual(values = c('AR1D Data' = 'blue', 'AR1D Est' = 'light blue')) +
  theme_classic()

pred.ar1m <- ggplot(est.AR1) + geom_point(aes(x=time, y=AR1M, colour="AR1M Data")) +
  geom_point(aes(x=time, y=est2, colour="AR1M Est")) +
  scale_color_manual(values = c('AR1M Data' = 'purple', 'AR1M Est' = 'light pink')) +
  theme_classic()

pred.ar1d

```



```
pred.ar1m
```