

Zusammenfassung Neu

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```
df4 <- read.csv("df4.csv", header = TRUE, sep = ",")  
df4_pan<-pdata.frame(df4,index=c("district","week"))  
  
df_pan2<-df4_pan[-(which(df4_pan$week==1)),]  
  
s<-data.frame(c(lag(df_pan2$inzidenz, 1)),c(lag(df_pan2$weightednbins, 1)),  
               c(I(log(df_pan2$density)*lag(df_pan2$inzidenz, 1))),  
               c(I(df_pan2$hotspot*lag(df_pan2$inzidenz,1))),  
               c(I(df_pan2$hotspotnb*lag(df_pan2$weightednbins,1))),  
               c(I(df_pan2$rate_zweitimpf * df_pan2$hotspot)),  
               c(df_pan2$A60.79.Anteil))  
  
colnames(s)<-c("inzidenz1","weightednbins1","density_inzidenz1",  
                "hotspot_inzidenz1", "hotspotnb_wnbins1",  
                "zweitimpf_hotspot","A60.79.Anteil")  
  
pool <- plm(inzidenz ~ lag(inzidenz, 1) + lag(weightednbins, 1)  
            + I(log(density)*lag(inzidenz, 1)) + I(hotspot * lag(inzidenz, 1))  
            +I(hotspotnb * lag(weightednbins, 1)) + I(rate_zweitimpf * hotspot)  
            + A60.79.Anteil  
            + factor(week)  
            , data =df4_pan, model = "pooling")  
  
pool.sqrt <- plm(sqrt(inzidenz) ~ sqrt(lag(inzidenz, 1)) + sqrt(lag(weightednbins, 1))  
                  + sqrt(I(log(density)*lag(inzidenz, 1))) + sqrt(I(hotspot * lag(inzidenz, 1)))  
                  + sqrt(I(hotspotnb * lag(weightednbins, 1))) + sqrt(I(rate_zweitimpf * hotspot))  
                  + A60.79.Anteil  
                  + factor(week)  
                  , data =df4_pan, model = "pooling")  
pool.sqrt2 <- plm(sqrt(inzidenz) ~ sqrt(lag(inzidenz, 1)) + sqrt(lag(weightednbins, 1))  
                  + I(log(density)*sqrt(lag(inzidenz, 1))) + sqrt(I(hotspot * lag(inzidenz, 1)))  
                  + sqrt(I(hotspotnb * lag(weightednbins, 1))) + sqrt(I(rate_zweitimpf * hotspot))  
                  + A60.79.Anteil  
                  + factor(week)  
                  , data =df4_pan, model = "pooling")  
pool.sqrt3 <- plm(sqrt(inzidenz) ~ sqrt(lag(inzidenz, 1)) + sqrt(lag(weightednbins, 1))  
                  + sqrt(I(log(density)*lag(inzidenz, 1))) + sqrt(I(hotspot * lag(inzidenz, 1)))  
                  + sqrt(I(hotspotnb * lag(weightednbins, 1))) + sqrt(I(rate_zweitimpf * hotspot))  
                  + sqrt(A60.79.Anteil)  
                  + factor(week)  
                  , data =df4_pan, model = "pooling")
```

```

logLik.plm <- function(object){
  out <- -plm::nobs(object) * log(2 * var(object$residuals) * pi)/2 - deviance(object)/(2 * var(object$)

  attr(out,"df") <- nobs(object) - object$df.residual
  attr(out,"nobs") <- plm::nobs(summary(object))
  return(out)
}

stats::AIC(pool.sqrt)

## [1] 57487.66

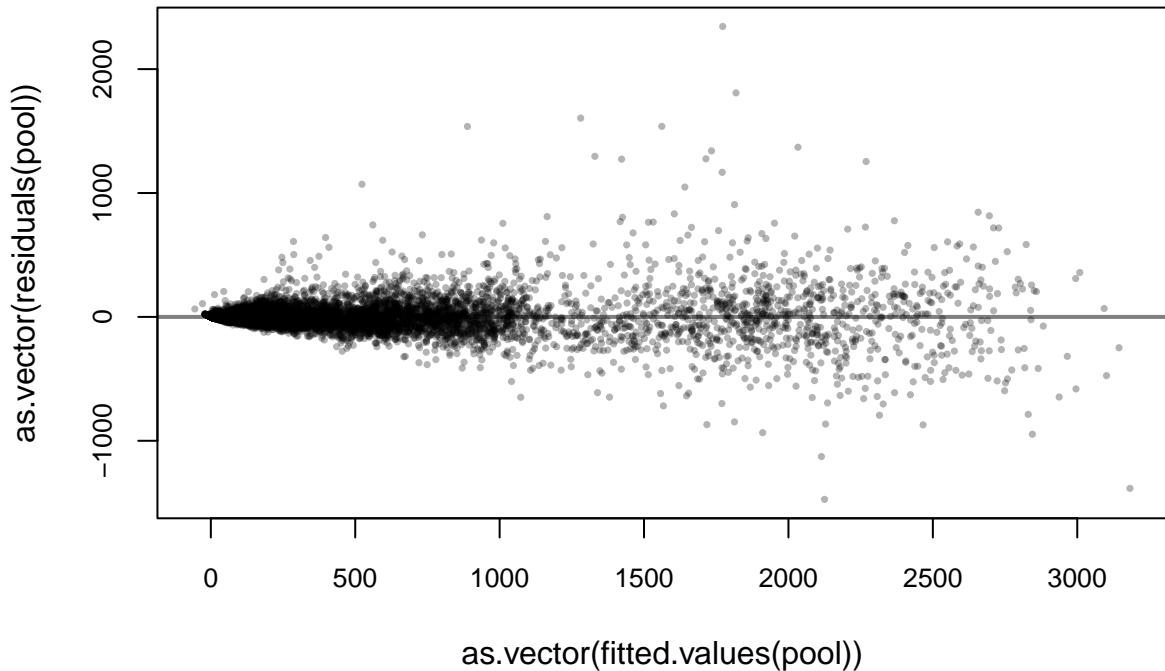
stats::AIC(pool.sqrt2)

## [1] 57488.35

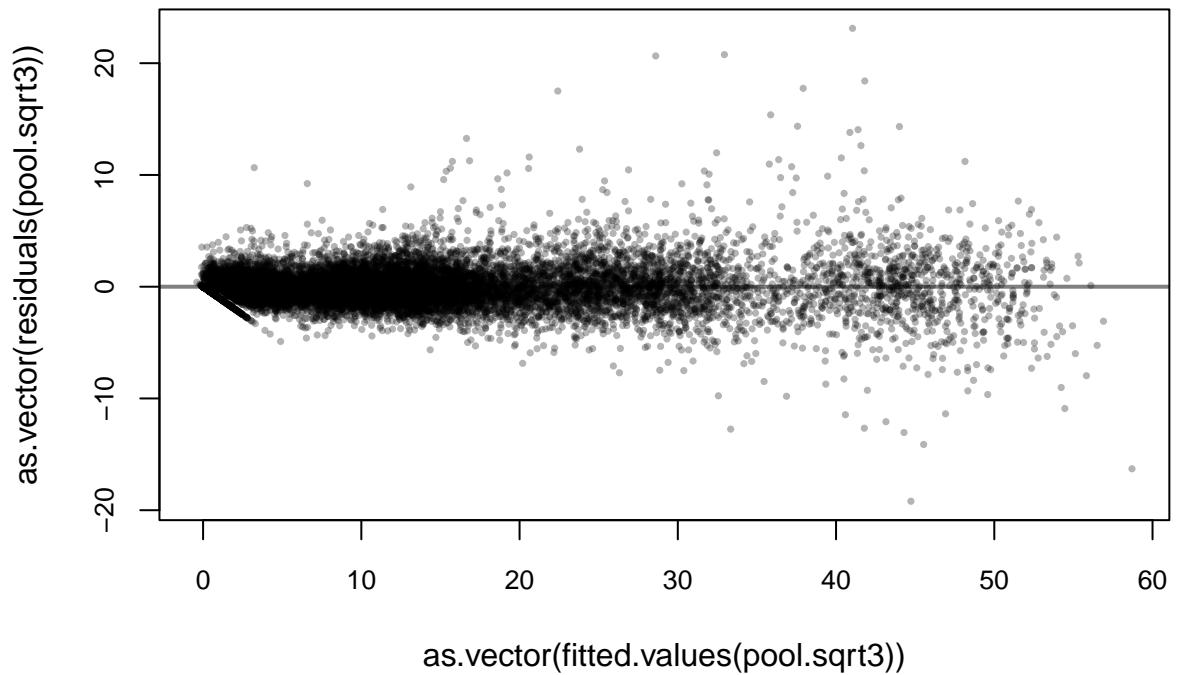
stats::AIC(pool.sqrt3)

## [1] 57486.79

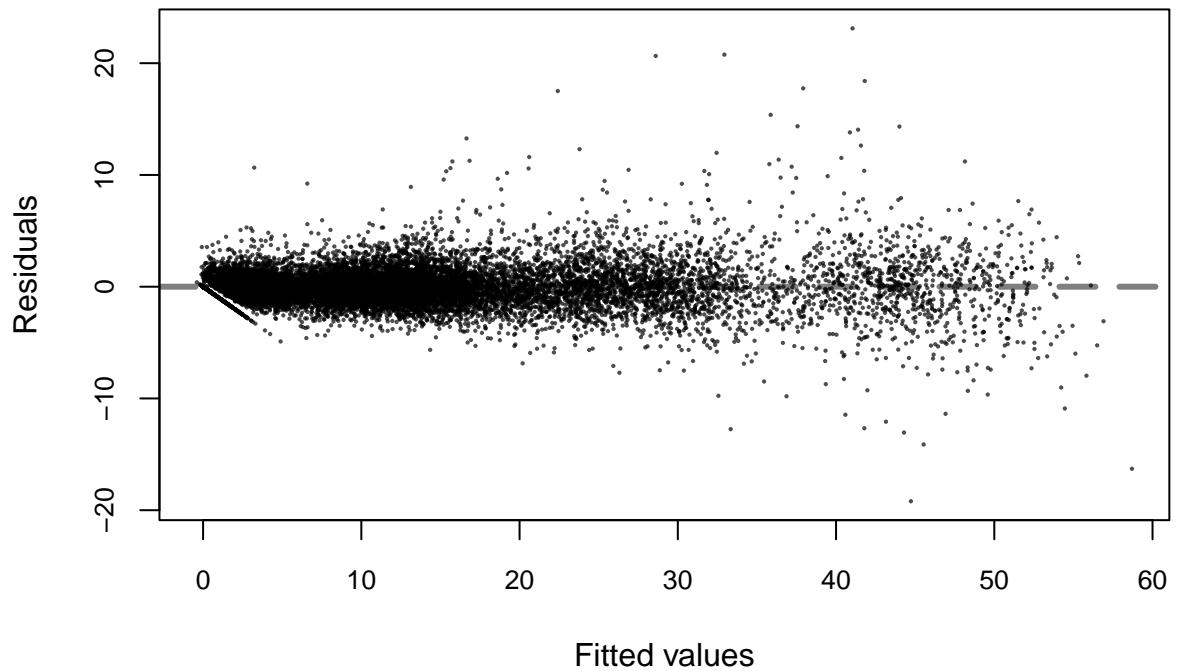
```



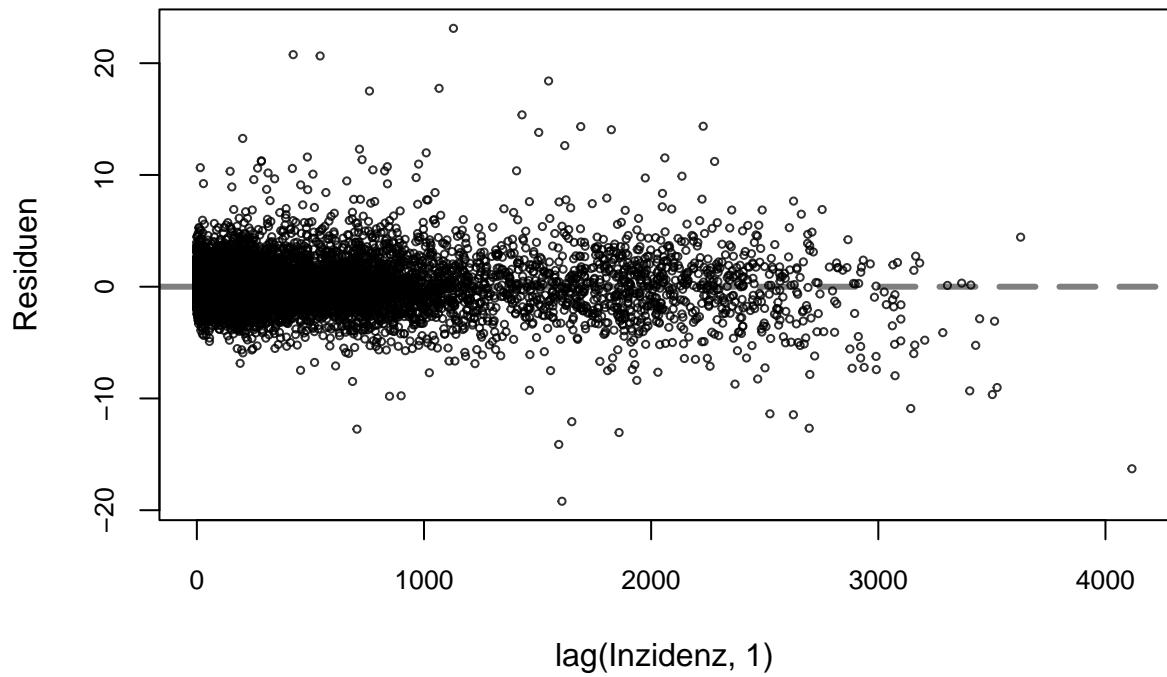
```
## integer(0)
```



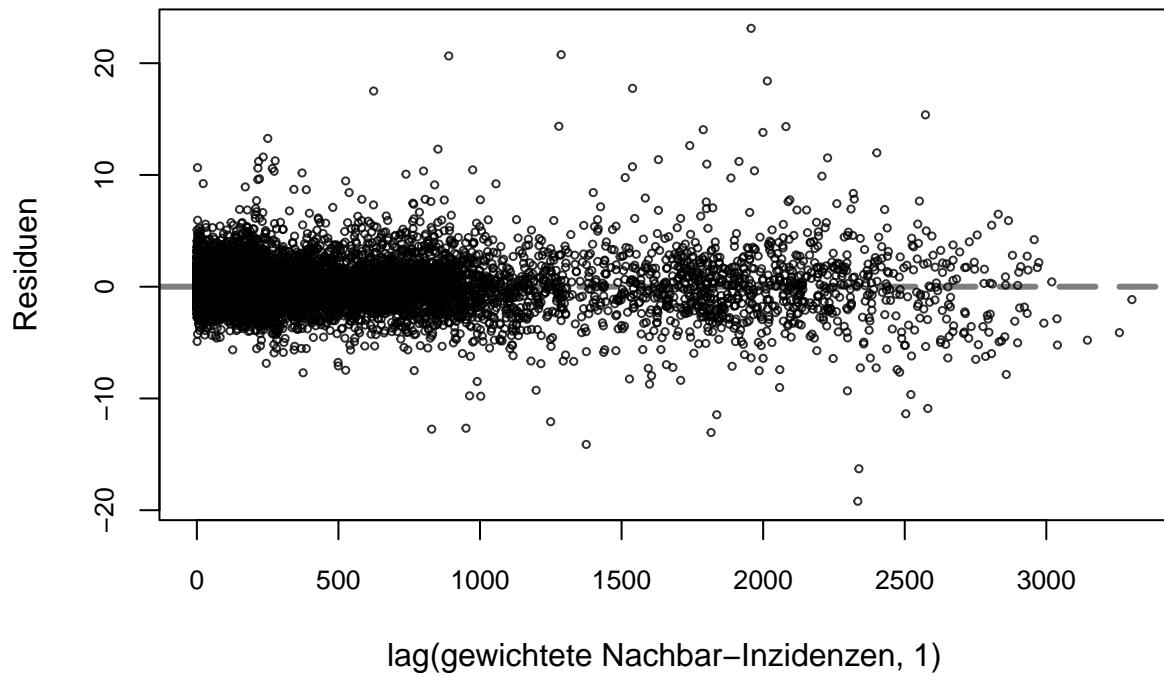
```
## integer(0)
```



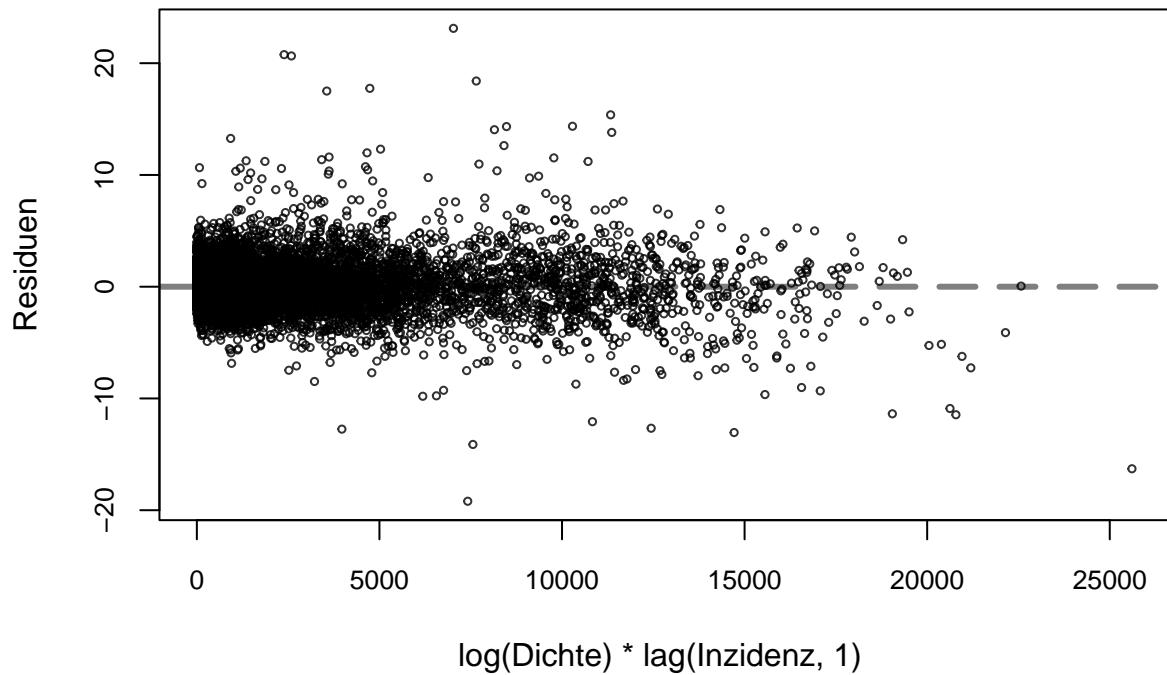
```
## integer(0)
```



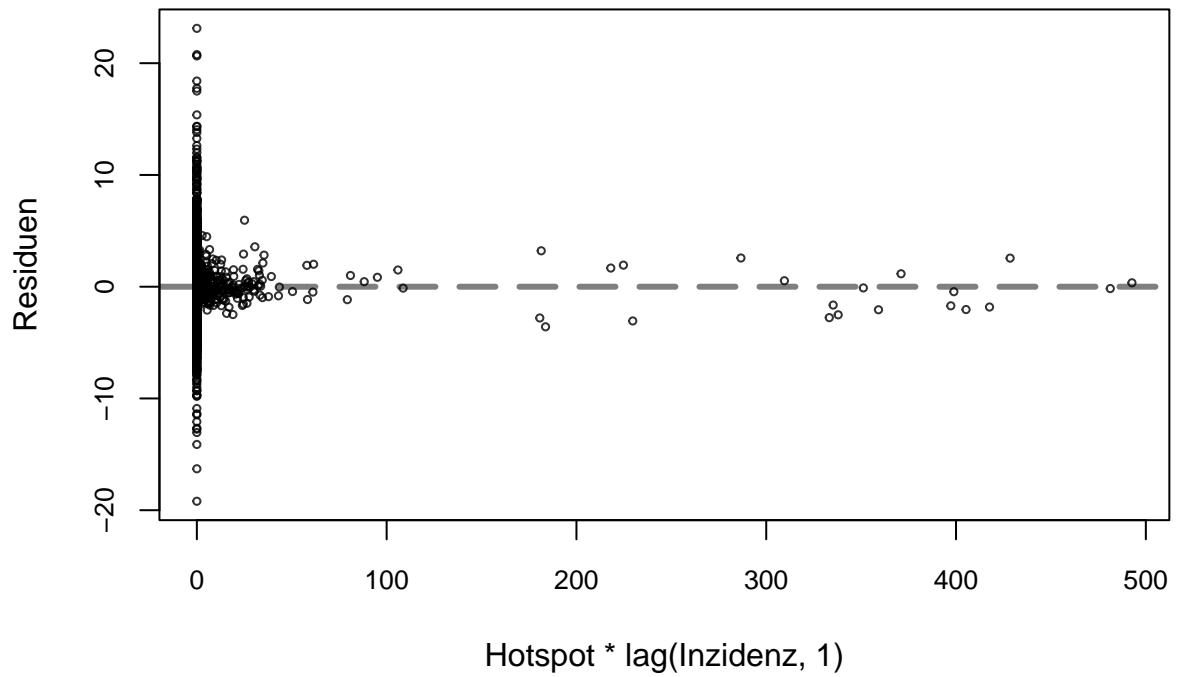
```
## integer(0)
```



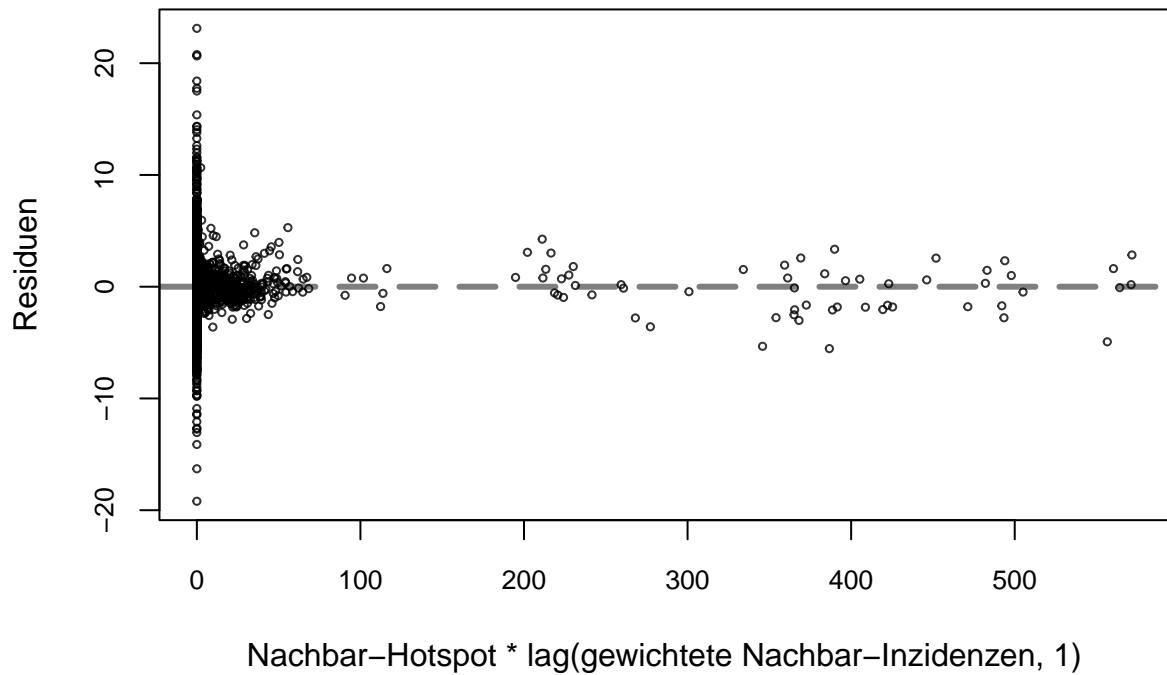
```
## integer(0)
```



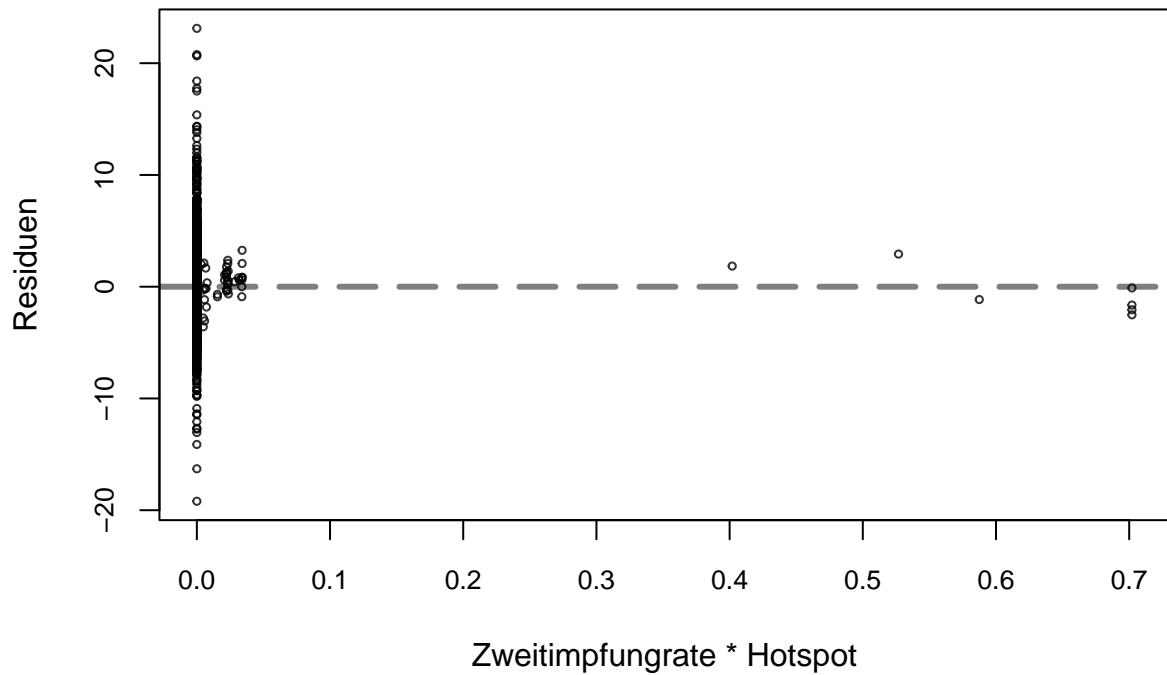
```
## integer(0)
```



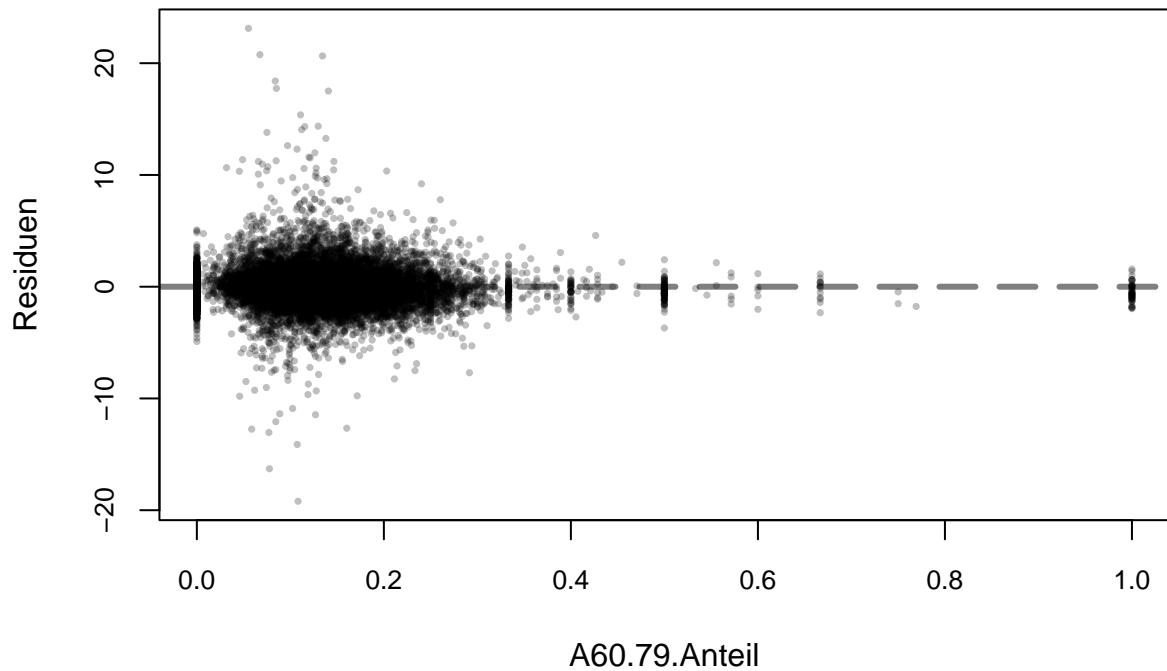
```
## integer(0)
```



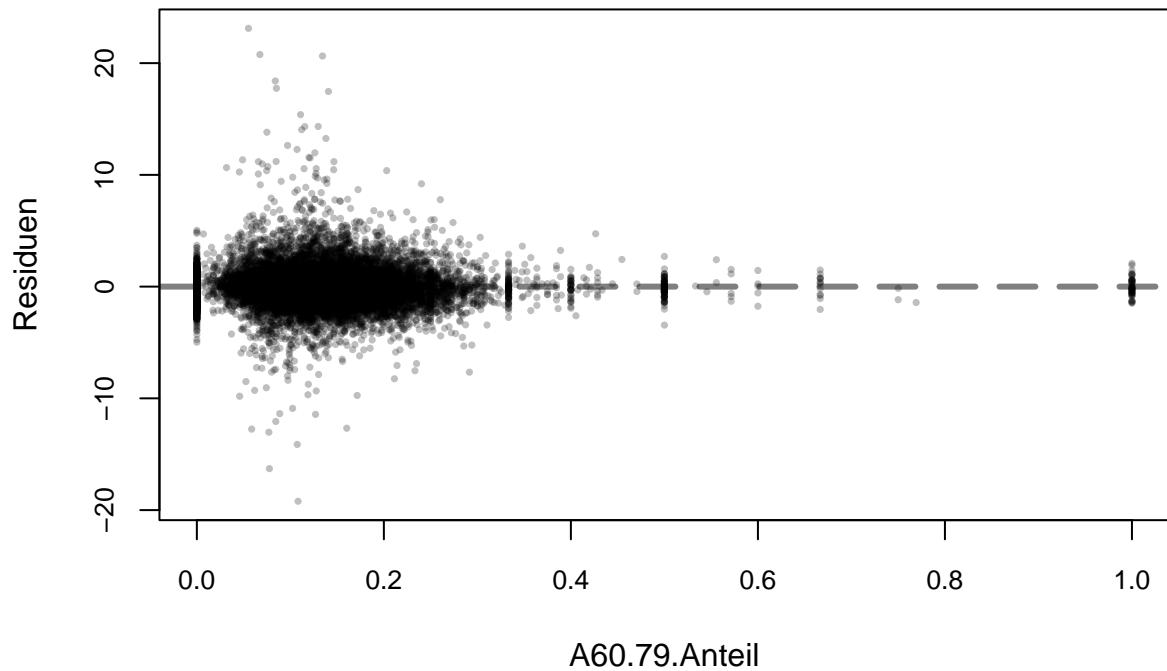
```
## integer(0)
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## integer(0)
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## integer(0)
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## integer(0)
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