

some questions in the paper

1. why there is a variable called response, what the relationship between ‘response’ and ‘y’?

Since the patients who responded to the treatment (response = 1) did not have a very different y value with the ones whose response = 0

```
range(dat[dat$responder==1,]$y)
```

```
## [1] 0 36
```

```
range(dat[dat$responder==0,]$y)
```

```
## [1] 2 37
```

```
mean(dat[dat$responder==1,]$y)
```

```
## [1] 13.66812
```

```
mean(dat[dat$responder==0,]$y)
```

```
## [1] 19.25433
```

2. Why orthogonal quadratic polynomials were fitted? Why not fit simple quadratic polynomials?

3. In the code, I found that only the lmm only contained $y \sim 1 + t + t^2$, the age and baselineCGI did not added in the model. To connect baseline value with the outcome, do we need to add those covariates?

4. How to estimate the results? Look at the percentages?

5. Are the two $\lambda(x)$ the same? Why look at $\lambda(x)$ vs baseline covariates?

6. Since we used the monte carlo simulation in clustering. The results is based on the simulated data. How to transform back?