

---

Subject: Multilevel Regression Analysis

Posted by [Jeremy](#) on Mon, 13 Feb 2023 05:47:31 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

Hello Dear DHS experts and specialists, I was doing a multilevel regression analysis using EDHS data in R on overweight and obesity. While I was analyzing for the year 2000, I got the error:

```
"Error in pwrssUpdate(pp, resp, tol = tolPwrss, GQmat = GQmat, compDev = compDev,
: (maxstephalfit) PIRLS step-halvings failed to reduce deviance in pwrssUpdate" ,
```

but for the other years I got no error. And when I tried to remove the weighting variable it works but gives different result and I understand that weighting should not be omitted in such analysis. I searched for any solutions to same error in stack flow but couldn't get one. Also is it possible to use region (v025) same time as a predictor and grouping variable. Please I am looking forward for your kindly support.

I send you the R-syntax and my dataset please help me solve this error.  
Thank you so much. Stay Blessed! Stay Safe!

Sincerely

Jeremy

---

### File Attachments

- 1) [Overweight&Obesity.txt](#), downloaded 249 times
  - 2) [ETIR41FL\\_OVOB.csv](#), downloaded 1448 times
-