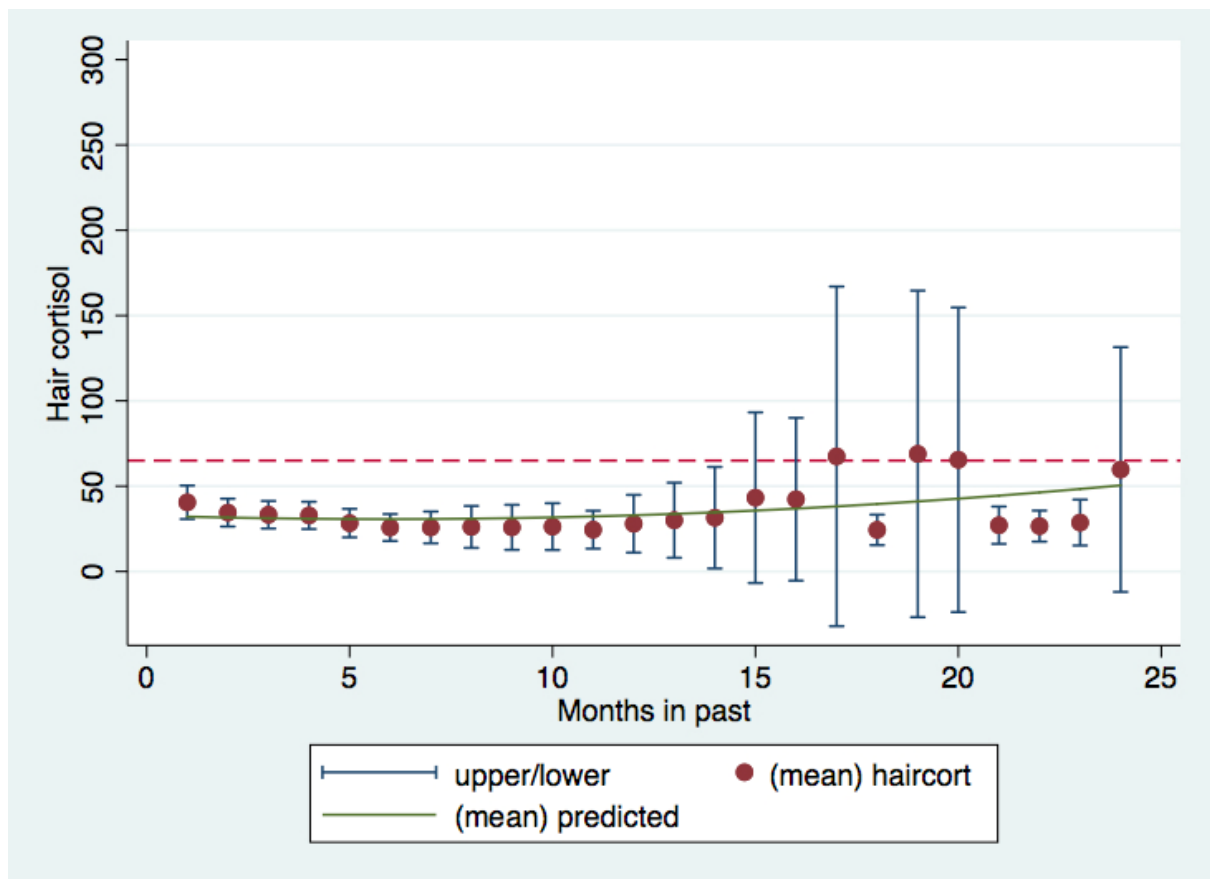




Predicted line (green) comes from a quadratic model with random slopes:

Mixed-effects ML regression
Group variable: id

Number of obs = 1,222
Number of groups = 51

Obs per group:

min = 22
avg = 24.0
max = 24

Log likelihood = -7440.3124

Wald chi2(2) = 2.76
Prob > chi2 = 0.2521

haircort	Observed Coef.	Bootstrap Std. Err.	z	P> z	Normal-based [95% Conf. Interval]	
month	-.7075009	1.317359	-0.54	0.591	-3.289477	1.874475
monthsq	.0602033	.0604221	1.00	0.319	-.0582218	.1786284
_cons	32.7646	4.948629	6.62	0.000	23.06547	42.46374

Random-effects Parameters	Observed Estimate	Bootstrap Std. Err.	Normal-based [95% Conf. Interval]	
id: Independent				
var(month)	54.51647	311.7656	.0007391	4020966
var(monthsq)	3.70e-23	5.96e-22	6.96e-37	1.96e-09
var(_cons)	2.49e-17	3.47e-16	3.42e-29	.0000182
var(Residual)	9902.689	5717.498	3193.716	30705.06

LR test vs. linear model: chi2(3) = 751.61

Prob > chi2 = 0.0000