



User: Supplemental Data 4

```

1 . do "C:\Users\R60\AppData\Local\Temp\STD00000000.tmp"
2 . import delimited using "Supplemental Data 2.csv", clear
   (4 vars, 420 obs)
3 . mixed value i.repeat || _all:R.patid || _all:R.rater , reml

```

Performing EM optimization:

Performing gradient-based optimization:

```

Iteration 0:   log restricted-likelihood = -931.56022
Iteration 1:   log restricted-likelihood = -931.56022

```

Computing standard errors:

```

Mixed-effects REML regression
Group variable: _all

Number of obs      =      420
Number of groups   =        1

Obs per group:
    min =      420
    avg =    420.0
    max =      420

Wald chi2(1)      =      24.32
Prob > chi2       =      0.0000

Log restricted-likelihood = -931.56022

```

value	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
2.repeat	<b>-.5889469</b>	<b>.1194229</b>	<b>-4.93</b>	<b>0.000</b>	<b>-.8230115</b>	<b>-.3548822</b>
_cons	<b>24.33453</b>	<b>.5292671</b>	<b>45.98</b>	<b>0.000</b>	<b>23.29719</b>	<b>25.37188</b>

Random-effects Parameters		Estimate	Std. Err.	[95% Conf. Interval]	
<b>_all: Identity</b>	var(R.patid)	<b>35.99358</b>	<b>4.360442</b>	<b>28.38613</b>	<b>45.63981</b>
<b>_all: Identity</b>	var(R.rater)	<b>.1400625</b>	<b>.116635</b>	<b>.0273839</b>	<b>.7163873</b>
	var(Residual)	<b>1.019588</b>	<b>.0875645</b>	<b>.8616319</b>	<b>1.206502</b>

```

LR test vs. linear model: chi2(2) = 843.54          Prob > chi2 = 0.0000

```

Note: LR test is conservative and provided only for reference.

```

4 . di 2.77*sqrt(1.019588)
   2.7969978
5 . di 2.77*sqrt(1.019588 + .1400625)
   2.9829318
6 .
   end of do-file
7 .

```