

```

proc mixed;
  class drug woman time;
  model y=drug time drug*time / ddfm=satterthwaite;
  repeated / type=cs subject=woman(drug) r rcorr;
run;

```

Estimated R Matrix for woman(drug) 1 A

Row	Col 1	Col 2	Col 3	Col 4
1	37.4917	29.1278	29.1278	29.1278
2	29.1278	37.4917	29.1278	29.1278
3	29.1278	29.1278	37.4917	29.1278
4	29.1278	29.1278	29.1278	37.4917

Estimated R Correlation Matrix for woman(drug) 1 A

Row	Col 1	Col 2	Col 3	Col 4
1	1.0000	0.7769	0.7769	0.7769
2	0.7769	1.0000	0.7769	0.7769
3	0.7769	0.7769	1.0000	0.7769
4	0.7769	0.7769	0.7769	1.0000

Covariance Parameter Estimates

Cov Parm	Subject	Estimate
CS	woman(drug)	29.1278
Residual		8.3639

Fit Statistics

-2 Res Log Likelihood	289.9
AIC (smaller is better)	293.9
AICC (smaller is better)	294.2
BIC (smaller is better)	295.3

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
drug	2	12	1.35	0.2955
time	3	36	10.22	<.0001
drug*time	6	36	7.12	<.0001

```

proc mixed;
  class drug woman time;
  model y=drug time drug*time / ddfm=satterthwaite;
  repeated / type=ar(1) subject=woman(drug) r rcorr;
run;

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Estimated R Matrix for woman(drug) 1 A

Row	Col 1	Col 2	Col 3	Col 4
1	36.0107	29.8090	24.6753	20.4258
2	29.8090	36.0107	29.8090	24.6753
3	24.6753	29.8090	36.0107	29.8090
4	20.4258	24.6753	29.8090	36.0107

Estimated R Correlation Matrix for woman(drug) 1 A

Row	Col 1	Col 2	Col 3	Col 4
1	1.0000	0.8278	0.6852	0.5672
2	0.8278	1.0000	0.8278	0.6852
3	0.6852	0.8278	1.0000	0.8278
4	0.5672	0.6852	0.8278	1.0000

Covariance Parameter Estimates

Cov Parm	Subject	Estimate
AR(1)	woman(drug)	0.8278
Residual		36.0107

Fit Statistics

-2 Res Log Likelihood	285.9
AIC (smaller is better)	289.9
AICC (smaller is better)	290.2
BIC (smaller is better)	291.4

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
drug	2	13.1	1.46	0.2677
time	3	35.7	14.53	<.0001
drug*time	6	35.7	8.57	<.0001

```

proc mixed;
  class drug woman time;
  model y=drug time drug*time / ddfm=satterthwaite;
  repeated / type=sp(pow)(time) subject=woman(drug) r rcorr;
run;

```

Estimated R Matrix for woman(drug) 1 A

Row	Col 1	Col 2	Col 3	Col 4
1	36.0107	29.8090	24.6753	20.4258
2	29.8090	36.0107	29.8090	24.6753
3	24.6753	29.8090	36.0107	29.8090
4	20.4258	24.6753	29.8090	36.0107

Estimated R Correlation Matrix for woman(drug) 1 A

Row	Col 1	Col 2	Col 3	Col 4
1	1.0000	0.8278	0.6852	0.5672
2	0.8278	1.0000	0.8278	0.6852
3	0.6852	0.8278	1.0000	0.8278
4	0.5672	0.6852	0.8278	1.0000

Covariance Parameter Estimates

Cov Parm	Subject	Estimate
SP(POW)	woman(drug)	0.9629
Residual		36.0107

Fit Statistics

-2 Res Log Likelihood	285.9
AIC (smaller is better)	289.9
AICC (smaller is better)	290.2
BIC (smaller is better)	291.4

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
drug	2	13.1	1.46	0.2677
time	3	35.7	14.53	<.0001
drug*time	6	35.7	8.57	<.0001

```

proc mixed;
  class drug woman time;
  model y=drug time drug*time / ddfm=satterthwaite;
  repeated / type=un subject=woman(drug) r rcorr;
run;

```

Estimated R Matrix for woman(drug) 1 A

Row	Col 1	Col 2	Col 3	Col 4
1	37.2333	34.3167	32.9333	21.5833
2	34.3167	43.8000	34.9500	23.6667
3	32.9333	34.9500	36.8667	27.3167
4	21.5833	23.6667	27.3167	32.0667

Estimated R Correlation Matrix for woman(drug) 1 A

Row	Col 1	Col 2	Col 3	Col 4
1	1.0000	0.8498	0.8889	0.6246
2	0.8498	1.0000	0.8697	0.6315
3	0.8889	0.8697	1.0000	0.7945
4	0.6246	0.6315	0.7945	1.0000

Covariance Parameter Estimates

Cov Parm	Subject	Estimate
UN(1, 1)	woman(drug)	37.2333
UN(2, 1)	woman(drug)	34.3167
UN(2, 2)	woman(drug)	43.8000
UN(3, 1)	woman(drug)	32.9333
UN(3, 2)	woman(drug)	34.9500
UN(3, 3)	woman(drug)	36.8667
UN(4, 1)	woman(drug)	21.5833
UN(4, 2)	woman(drug)	23.6667
UN(4, 3)	woman(drug)	27.3167
UN(4, 4)	woman(drug)	32.0667

Fit Statistics

-2 Res Log Likelihood	278.8
AIC (smaller is better)	298.8
AICC (smaller is better)	304.8
BIC (smaller is better)	305.9

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
drug	2	12	1.35	0.2955
time	3	12	12.35	0.0006
drug*time	6	12	17.31	<.0001