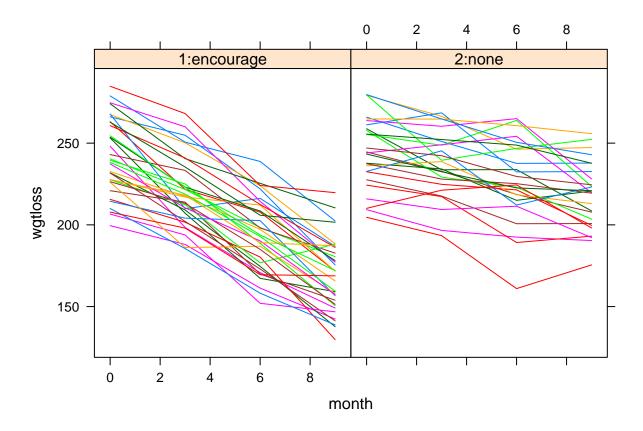
## Complex Data lab 3

Anna Zaleska

```
## 1 2
## 0 241.6088 244.9500
## 3 219.2059 237.0038
## 6 193.7706 227.1192
## 9 169.0441 218.0346
## 1 2
## 0 23.01513 21.72067
## 3 21.19745 20.40583
## 6 21.92547 24.62901
## 9 21.99597 20.59980
```



CS vs. UN

	-2 REML	Number of
Structure	Log-Likelihood	Cov. Parameters
Compound Symmetry	1905.8232	10
Unstructured	1900.8766	18
Difference	4.9466	8

Unstructured vs compound symmetry

## Model df AIC BIC logLik Test L.Ratio p-value ## wtloss.un.cat 1 18 1936.877 1998.918 -950.4383

## wtloss.cs.cat 2 10 1925.823 1960.291 -952.9116 1 vs 2 4.946568 0.7633

Unstructured vs auoregressive

## Model df AIC BIC logLik Test L.Ratio

## wtloss.un.cat 1 18 1936.877 1998.918 -950.4383

## wtloss.ar1.cat 2 10 1951.247 1985.714 -965.6234 1 vs 2 30.37015

## p-value

## wtloss.un.cat

## wtloss.ar1.cat 2e-04

Autoregressive vs compound symmetry

## Model df AIC BIC logLik ## wtloss.cs.cat 1 10 1925.823 1960.291 -952.9116 ## wtloss.ar1.cat 2 10 1951.247 1985.714 -965.6234

AUC - test for equality of the area under the curve in two groups.

Parametric curves - quadratic time trend

Linear time trend

Testing for intersections