Pruebas de secado

Tabla descriptiva

##	# /	A tibble:	14	x 5				
##	# (Groups:	Ten	perati	ıra	[2]		
##		Temperati	ıra	Hora		n	Mean	sd
##		<fct></fct>		<fct></fct>	<in< th=""><th>t></th><th><dbl></dbl></th><th><dbl></dbl></th></in<>	t>	<dbl></dbl>	<dbl></dbl>
##	1	60		0		3	20.4	0.246
##	2	60		1		3	14.0	1.31
##	3	60		2		3	12.5	1.34
##	4	60		3		3	10.5	1.56
##	5	60		4		3	8.48	1.74
##	6	60		5		3	6.69	1.75
##	7	60		6		3	4.97	1.59
##	8	60		7		3	2.52	0.482
##	9	80		0		3	19.7	0.401
##	10	80		1		3	12.7	0.572
##	11	80		2		3	9.37	0.804
##	12	80		3		3	5.61	0.810
##	13	80		4		3	2.88	0.336
##	14	80		5		3	2.08	0.124

Gráfico de medias con desvío estándar

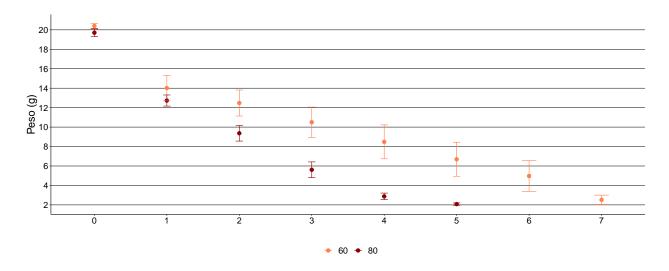
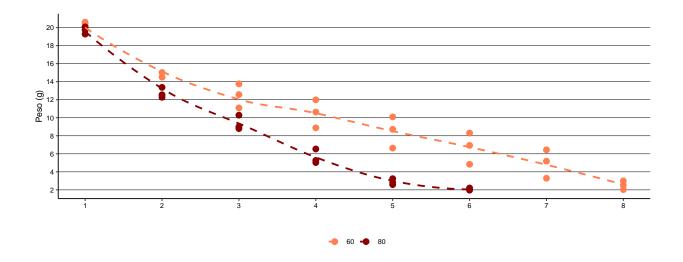


Gráfico de líneas de tendencia medias y valores puntuales



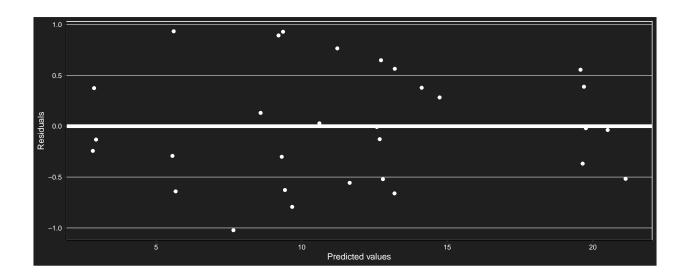
Correlación de cada unidad observacional en el tiempo Matriz de covarianzas

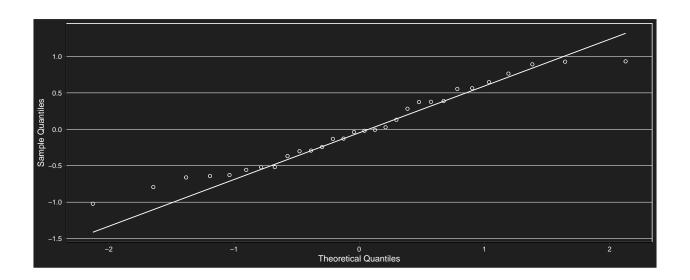
```
## 1 0.24 0.46 0.88 1.28 1.40 1.15
## 2 0.46 1.32 2.06 2.86 3.12 2.67
## 3 0.88 2.06 3.88 5.66 6.26 5.23
## 4 1.28 2.86 5.66 8.41 9.40 7.84
## 5 1.40 3.12 6.26 9.40 10.69 8.98
## 6 1.15 2.67 5.23 7.84 8.98 7.61
```

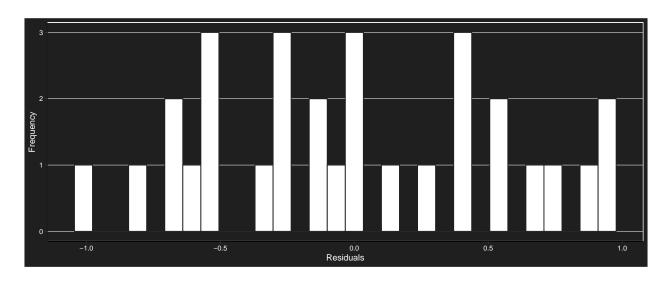
 Modelo marginal. Estructura autoregresiva de orden 1

```
## gls(model = (Peso) ~ Hora * Temperatura + basal, data = datospeso2w,
## correlation = corAR1(form = ~1 | Repeticion))
```

Comprobación de supuestos







```
##
## Shapiro-Wilk normality test
##
## data: e
## W = 0.96317, p-value = 0.3724
```

-4.9033333

Coeficientes del modelo

```
##
           (Intercept)
                                      Hora2
                                                          Hora3
                                                                               Hora4
                                                                                                    Hora5
##
            17.4161821
                                 -6.3890000
                                                     -7.9286667
                                                                          -9.9033333
                                                                                             -11.9220000
                                      basal Hora2:Temperatura80 Hora3:Temperatura80 Hora4:Temperatura80
##
         Temperatura80
             1.3578918
                                  0.4464761
                                                     -0.5823333
                                                                          -2.4076667
                                                                                               -4.1876667
##
## Hora5:Temperatura80
```

ANOVA

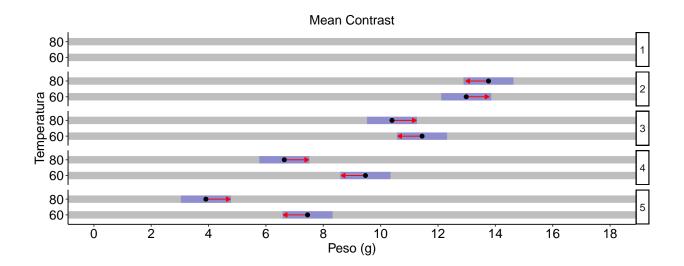
##

```
## Denom. DF: 19
##
                    numDF F-value p-value
## (Intercept)
                        1 71443.31 <.0001
                        4 2670.19 < .0001
## Hora
## Temperatura
                        1
                             40.22
                                    <.0001
## basal
                             59.40 < .0001
                        1
## Hora:Temperatura
                              8.39
                        4
Efectos simples
## $emmeans
## Hora = 1:
  Temperatura emmean
                          SE
                               df lower.CL upper.CL
                                              20.25
##
                                     18.50
                 19.37 0.386 9.08
##
                 20.73 0.386 9.08
                                     19.86
                                              21.60
##
## Hora = 2:
  Temperatura emmean
                               df lower.CL upper.CL
                          SE
               12.99 0.386 9.08
                                     12.11
                                              13.86
                                     12.89
## 80
                13.76 0.386 9.08
                                              14.63
##
## Hora = 3:
                               df lower.CL upper.CL
   Temperatura emmean
                          SE
                11.45 0.386 9.08
                                     10.57
                                              12.32
## 60
## 80
                 10.40 0.386 9.08
                                      9.52
                                              11.27
##
## Hora = 4:
                               df lower.CL upper.CL
   Temperatura emmean
                          SE
##
                  9.47 0.386 9.08
                                      8.60
                                              10.34
  80
                  6.64 0.386 9.08
                                      5.77
##
                                               7.51
##
## Hora = 5:
  Temperatura emmean
                          SE
                               df lower.CL upper.CL
                  7.45 0.386 9.08
                                      6.58
## 80
                  3.91 0.386 9.08
                                      3.03
                                               4.78
## Degrees-of-freedom method: appx-satterthwaite
## Results are given on the ( (not the response) scale.
## Confidence level used: 0.95
## $contrasts
## Hora = 1:
   contrast
                                  estimate
                                              SE
                                                   df t.ratio p.value
                                    -1.358 0.731 7.74 -1.856 0.1017
   Temperatura60 - Temperatura80
##
## Hora = 2:
## contrast
                                  estimate
                                              SE
                                                   df t.ratio p.value
                                    -0.776 0.731 7.74 -1.060 0.3210
## Temperatura60 - Temperatura80
##
## Hora = 3:
## contrast
                                  estimate
                                              SE
                                                   df t.ratio p.value
                                     1.050 0.731 7.74 1.435 0.1904
## Temperatura60 - Temperatura80
```

Hora = 4:

```
contrast
                                              SE df t.ratio p.value
                                  estimate
##
    Temperatura60 - Temperatura80
                                     2.830 0.731 7.74
                                                        3.869 0.0051
##
## Hora = 5:
                                              SE
                                                   df t.ratio p.value
##
    contrast
                                  {\tt estimate}
                                     3.545 0.731 7.74 4.847 0.0014
##
   Temperatura60 - Temperatura80
## Note: contrasts are still on the ( scale
## Degrees-of-freedom method: appx-satterthwaite
```

Gráfico de comparaciones



Modelo

