

- **Nombre y Apellidos:** Sergio García Prado
- **Serie:** weightloss (propuesta propia extraida de internet)
- **Modelo Final:**

$$\text{SARIMA}(0, 1, 1)(0, 1, 1)_{12}(0, 0, 1)_{17}$$

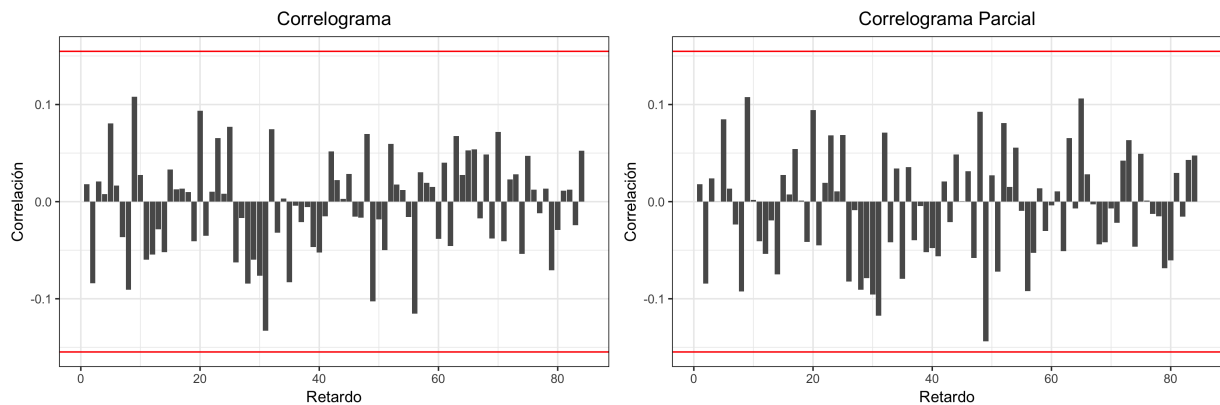
$$\hat{\theta}_1 = 0,33629$$

$$\hat{\theta}_{12} = 0,62106$$

$$\hat{\theta}_{17} = -0,15874$$

$$X_t = X_{t-1} + X_{t-12} - X_{t-13} + a_t - \theta_1 a_{t-1} - \theta_{12} a_{t-12} + \theta_1 \theta_{12} a_{t-13} \\ - \theta_{17} a_{t-17} + \theta_1 \theta_{17} a_{t-18} + \theta_{12} \theta_{17} a_{t-29} - \theta_1 \theta_{12} \theta_{17} a_{t-30}$$

- **Residuales:**



- **Contrastes de Portmanteu:**

Box-Ljung test

X-squared = 0.055242, lag = 1, p-value = 0.8142

Box-Ljung test

X-squared = 7.6285, lag = 12, p-value = 0.8134