SARIMA$(p, d, q) \times (P, D, Q)_s$ **Notation**

$$\phi(L)\Phi(L^s)(1-L)^d(1-L^s)^D Y_t = \theta(L)\Theta(L^s)\varepsilon_t$$

Regular (Non-Seasonal)

p	= AR order	(Number of AR lags)
d	= Differencing	(Regular differences)
q	= MA order	(Number of MA lags)

Seasonal

P	= Seasonal AR	(SAR lags at $s, 2s, \ldots$)
D	= Seasonal Diff	($(1-L^s)^D$)
Q	= Seasonal MA	(SMA lags at $s, 2s, \ldots$)
s	= Period	(Seasonal period)

Example: SARIMA$(1, 1, 1) \times (0, 1, 1)_{12}$

Monthly data with: AR(1), MA(1), one regular diff,

one seasonal diff at lag 12, seasonal MA(1)