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Submit a PDF file on UB learns with your final model used written out. For example your submission might look something like this:

yt = β0 + β1zt + xt

(1 − ϕB)xt = (1 + θB52)wt, where zt is the high temerature in week t

------------------------------------------------------------------------------------------------------------------------------------------For the given equation,

AR(1) Model Equation:

yt = 14.412 + xt(1 - 0.9609B)xt + (1 + θB52)wt

Where:

yt = Differenced ICNSA (Initial claims)

xt = UNRATE (Unemployment rate)

14.412 = Estimated intercept coefficient

0.9609 = φ (AR(1) coefficient estimated by auto.arima)

B = Backshift operator (Lag 1)

θ = MA(52) coefficient

wt = Error term

Seasonal MA Equation:

yt=(1 + θB52)wt

Where:

yt = Differenced initial claims

θ = MA(52) coefficient

B52 = Lag of 52 periods

wt = Error term

The full model is:

yt = 14.412 + xt(1 - 0.9609B)xt + (1 + θB52)wt