



Since in the polot p, and p, are above 0 it must be can not be MA(2) model since P3-0 6. => either B or C B: P1 = -1+0.5 = -0,06 P2 = -0.5 - 0.00 = -0.506 P3 = - 0.4 · (-0.506) + (-0.5) (-0.06) = 0.084 A: P1 = 0.1 = 0.2 0.2 $P_2 = 0.5 - \frac{0.1^2}{1-0.5} = 0.5 - 0.02 = 0.48$ P3 = 0.1.0.48+0.5.0.2 = 0.058+0.25 = 0.255 0.148 Since in the plot no negotive numbers occur, il must be A. 7. This sequence is modeled as an AR(3) and is thus invarible 6(B) = 1-0.4B-0.9B2+0.2B3 is the characteristic polynom. 11 has a runt of 0.936 ... - Est =: B3. Since 13,1 & 1 the process is not stationary

forgod to take a screenshor Autoregressive model = invertible (D) = 1+ 0.1B - 0.7B2 + 0.8B3 \$ has a rook of B1 = 0.8466 + 0.8966; 1Bul 4 1 > not stationary 100 Autoregressire model = invetible $\phi_1 = -0.5$ $\phi_2 = 0.5$ conditions for stationarity 1, 1 \$ 1 < 1 ii) \$1 + \$2 = 0 < -1 1 $\phi_2 - \phi_1 = 0.5 - (-0.5) \neq 1 \times$ The third stationarily condition is not satisfied => non stationary