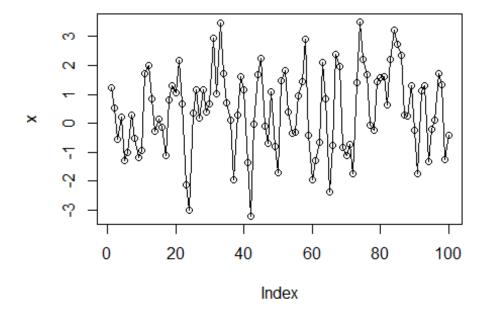
### timeseries test

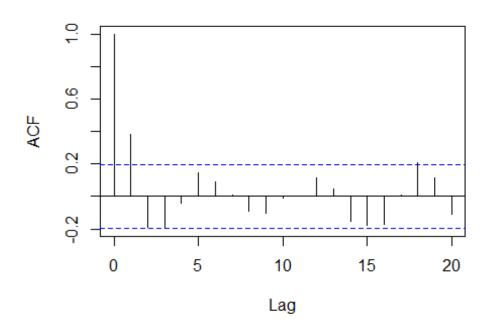
#### Mehrab Atighi

### 1/19/2022



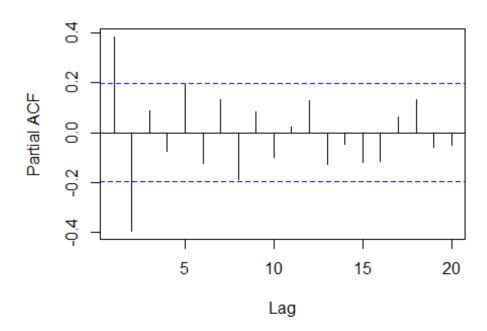
```
(x) a = acf(x)
```

# Series x



p = pacf(x)

# Series x



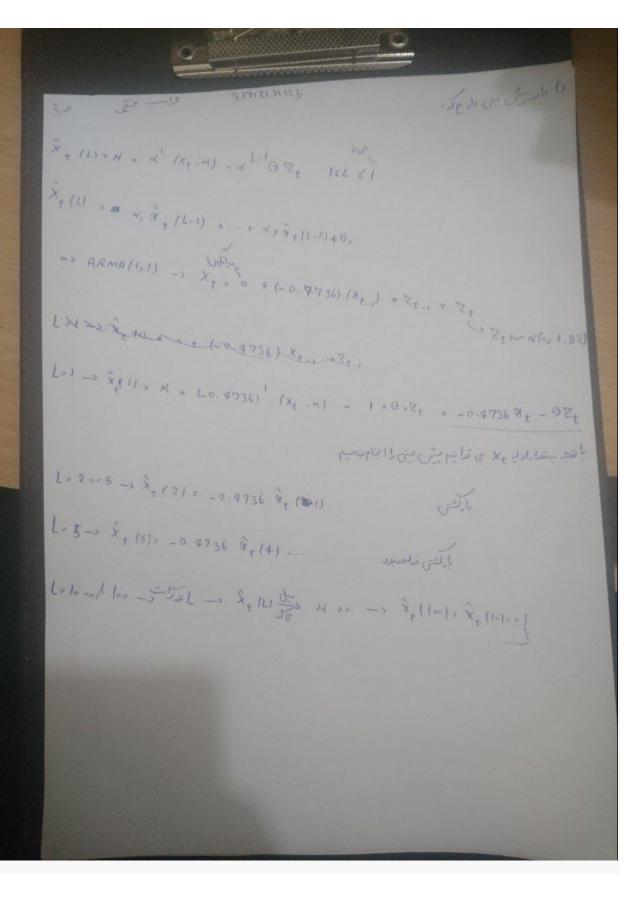
a\$acf[1:5]

```
## [1] 1.00000000 0.38378644 -0.18889489 -0.18796471 -0.04284637

p$acf[1:5]

## [1] 0.38378644 -0.39425798 0.08945649 -0.07486718 0.19362712
```

reliables ARMA(1:1) Just IN SPRINGER ZEE-LY 281 - 181 ( 82 ( 181 : 13 ( 181 ) 8-8-2 -3 8-9 ex 8-1-3 9-1 2 (58)2 - 1.361 (-0.18 ( 10.38) 8 hr. hal haz +0.98 -0.18 - 0.0912 (-0.18 ( 0.38 Phi 038 -0.93 0.089 المزدع ورشرط صبى المداول ادارى دسم: 2 = 82 = -0.18 = -0.4736 (1-2 B) (2-13) = 0.35 (-> (1+0.47B) (0.47-B) = 0.35+038B+035B <=> 0.47 - B + 0.2209 B - 0.47 B2 - 0.35 B - 0.38 B2 - 0.38 20 0.87 132 - 1.12 B + 0.09 20 0 0.097 1.12 D= 4ac (20.09 A = 0.9412 - JA 20.97 01506  $\frac{9_{1}, 9_{2}}{2\alpha} = \frac{-b \pm \sqrt{\Delta}}{1.74} = 1.2012$ 1.74 = 0.086 149 668 2:82 2 -0.4736), B 2 1.20125, B2 = 3×20.434 32 C11-42) [ 1 + 1 + 22 1 ] = (2.06) | 1 + 0.472) [ --- ] = 1.987048 C. 1 \( \( \times \) \( \times



الحاب عنقي 39712131125 -OAR(1) 2,0,2 -> 2 > -> /k = 4 /k/ >. FIN, = 8 2 . [1 - 2 (0.2) Cos(w) + 0.04] ROSE CODE => [1-0.2B] Xt => 2t -> Xt = 7c wif olb); 1

1-02 B > Xt = Olb) Pt حال ذا کینما بریل فراین Am امتنادی تبیل ند، ولیق وزه داریم له: P(B)= Z2 9(B) 9(B") => P(B) = Z2 = 1 1-02B = 1-0.2B" 3,2 600 3,4 P(B) = 0.96 11-028) (1-0.28-1)