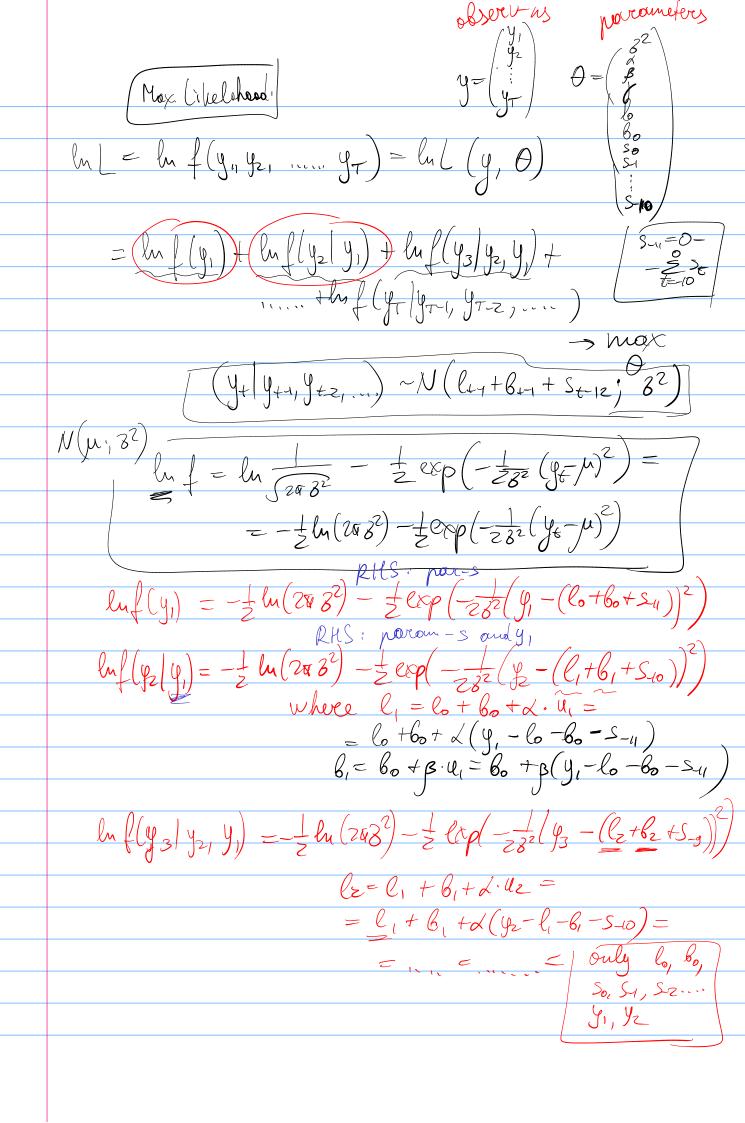


future = post (known) pool + random (unpredict) part J102 = (101) + (B101) + S30 + V102 = = (loo+600+2.00)+(600+6.00)+Soo+600 =  $= (l_{100} + 2b_{100} + S_{90}) + (2+3) \cdot U_{101} + U_{102}$ predictable of independent of what we know at time 100  $E(y_{102}|F_{100}) = l_{100} + 2b_{100} + s_{30} = 20 + 2 \cdot 1 - 1 = 21$   $Vor(y_{102}|F_{100}) = Vor((\lambda + \beta)u_{101} + u_{102}) = (\lambda + \beta)^2 \cdot 2^2 + 3^2 = (\pm + \frac{1}{2})^2 \cdot 16 + 16 = 32$   $(y_{102}|F_{100}) \sim N(l_{100} + 2b_{100} + s_{30}) (\lambda + \beta)^2 \cdot 2^2 + 3^2$ PI: [21-1,96(32) 21+1,96(32) 3 fasts: data = estimate para meters.

Take + estimate > decomposition of ye

Taxong + estim of pars > forecasts L= = = = = lo= 10 6=2 So=Sy=Sz=...=Sy=-3 10 2 -3 MA 10 2 -3 MA 10 5 0 5 1 5 7 -3 1 2 2 3 0 S-6=S-7=.... =S-1 =+3 Ut= gt = l+1 - BETSHR Du=9,-lo-bo-S-11 t=2/14 l= lo+bo + d. l = 12-3 

 $S_1 = S_{-1} + \gamma \cdot (l_1 = 3 + \frac{1}{2} \cdot (3) = 1.5$ 



One may we AKAIKE buf vest.

