Forelasning of Progneser sid 28 Försk modellen Yt sasongsrensad DESEt = 2 Zt = diff Desct Zt = Deset - Deset-1 Zt = 0.218 + at - 0.6522at-1 n = 178 = 2004 oktober manade data Z179 (178) = 0-218 + a179 - 0-65229178 =0.218+0-0.6522(-4.2862)=3.0135 7/180 (178) = 0.218 + 0 - 0.6522 a179 2,8, (178) = 0.218 Z179 = Desc,79 - Desc,78 =) Dese,79 = 2,79 + Dese,78 = =3.0135+116.16=119-174 DESC180 = Z180 + Dese,79 =

 $\begin{array}{l} = 0.218 + 119.179 = 119.392 \\ \hat{D}ese_{181} = \hat{Z}_{181} + 0ese_{180} = \\ = 0.218 + 119.392 = 119.610 \end{array}$

now $\hat{y}_{179}(178) = 119.174 + 5.175 = (8)$ = 124.350 $dec \hat{y}_{180}(178) = 119.392 - 3.1247 = 2116.267$ = 119.61 + 0.3795 = 119.990

Andra modellen Sid 31

Prognos for y_{t} $Z_{t} = y_{t} - y_{t-12}$ $Z_{t} = 0.765 + 0.448Z_{t-1} + 0.27Z_{t-2}$ $+ a_{t} - 0.75a_{t-12}$ $Z_{179}(178) = 0.765 + 0.448Z_{178} + 0.27Z_{177}$ $+ a_{179} = 0.75a_{167} = 0.765 + 0.448(-0.4) + 0.27-60$

= 0.765 + 0.448(-0.4) + 0.27 - 6.8+ 0 - 0.75 - 5.383 = -1.616

 $\frac{2}{180}(178) = 0.765 + 0.448 \frac{2}{179} + 0.27 \frac{2}{178} \\
-0.75 \frac{2}{6168} = -0.0157 -0.4$ $\frac{2}{181}(178) = 0.765 + 0.448 \frac{2}{179} + 0.27 \frac{2}{179} \\
-0.75 \frac{2}{6169} = 1.6114$ $\frac{1}{171964} = \frac{2}{171964} + \frac{1}{171964} + \frac{1}{171964} = \frac{1}{171964}$