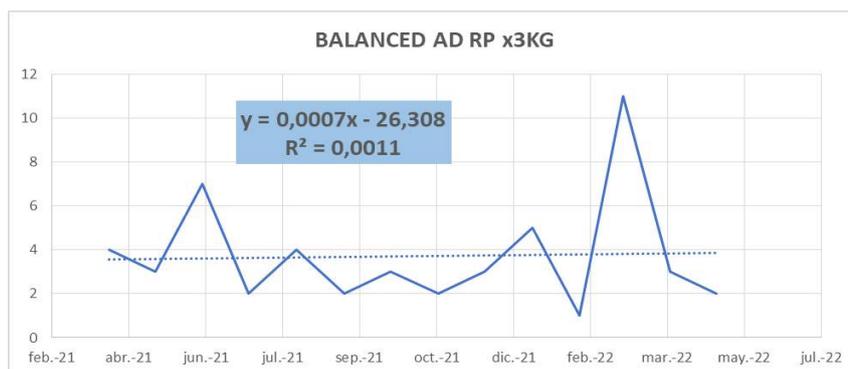


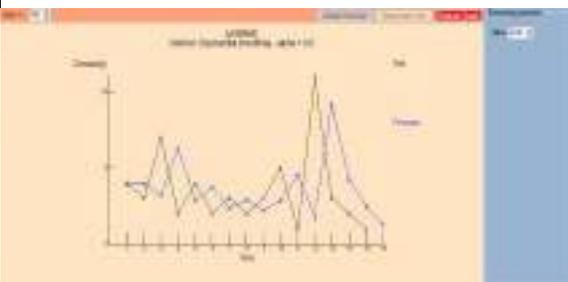


**Figura A13. Balanced ad RP x 3 kg. Demanda, PMS, SE y sus graficas**

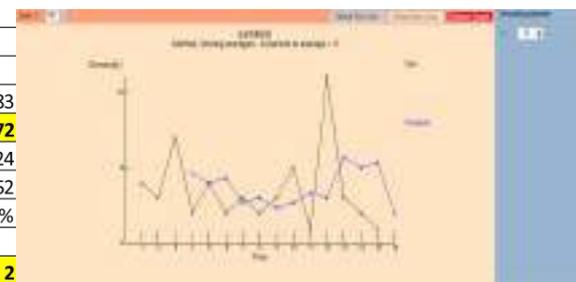
Periodo	Total
abr-21	4
may-21	3
jun-21	7
jul-21	2
ago-21	4
sep-21	2
oct-21	3
nov-21	2
dic-21	3
ene-22	5
feb-22	1
mar-22	11
abr-22	3
may-22	2



Suavizamiento Exponencial ; Alfa=0,80	
Measure	Value
Error Measures	
Bias (Mean Error)	-0,242
<b>MAD (Mean Absolute Deviation)</b>	<b>2,796</b>
MSE (Mean Squared Error)	13,441
Standard Error (denom=n-2=12)	3,96
MAPE (Mean Absolute Percent Error)	103,91%
Forecast	
<b>next period</b>	<b>1,289</b>



Promedio Movil Simple; n=3	
Measure	Value
Error Measures	
Bias (Mean Error)	-0,583
<b>MAD (Mean Absolute Deviation)</b>	<b>2,472</b>
MSE (Mean Squared Error)	10,324
Standard Error (denom=n-2=10)	3,52
MAPE (Mean Absolute Percent Error)	113,19%
Forecast	
<b>next period</b>	<b>2</b>

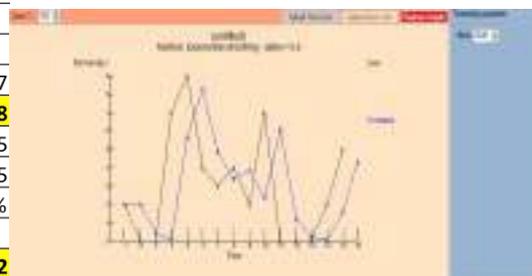




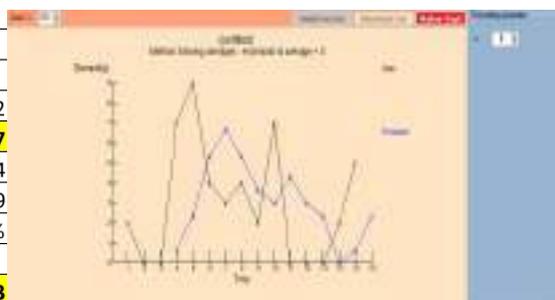
**Figura A14. Hueso comestible ¾. Ventas por mes, PMS, SE y sus graficas**



Suavizamiento Exponencial ; Alfa=0,80	
Measure	Value
Error Measures	
Bias (Mean Error)	0,207
<b>MAD (Mean Absolute Deviation)</b>	<b>2,778</b>
MSE (Mean Squared Error)	11,765
Standard Error (denom=n-2=12)	3,705
MAPE (Mean Absolute Percent Error)	46,25%
Forecast	
<b>next period</b>	<b>4,322</b>

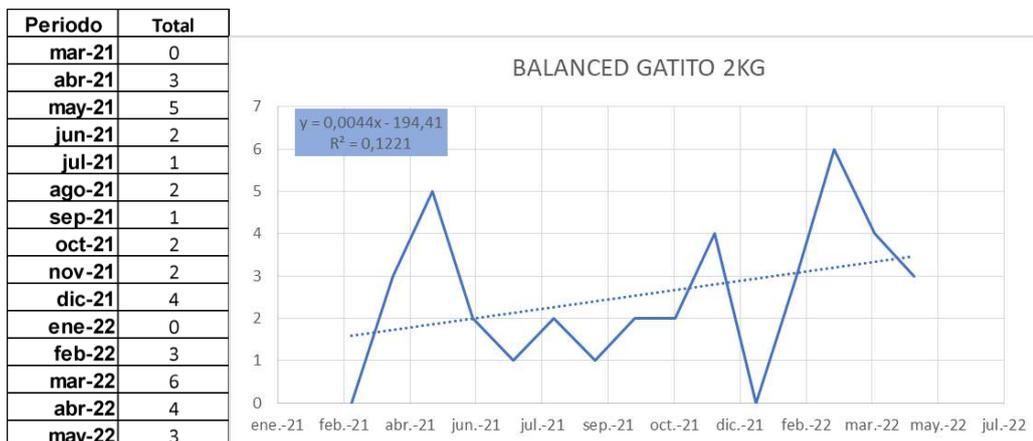


Promedio Movil ; n=3	
Measure	Value
Error Measures	
Bias (Mean Error)	0,472
<b>MAD (Mean Absolute Deviation)</b>	<b>3,417</b>
MSE (Mean Squared Error)	14,694
Standard Error (denom=n-2=10)	4,199
MAPE (Mean Absolute Percent Error)	56,72%
Forecast	
<b>next period</b>	<b>2,333</b>

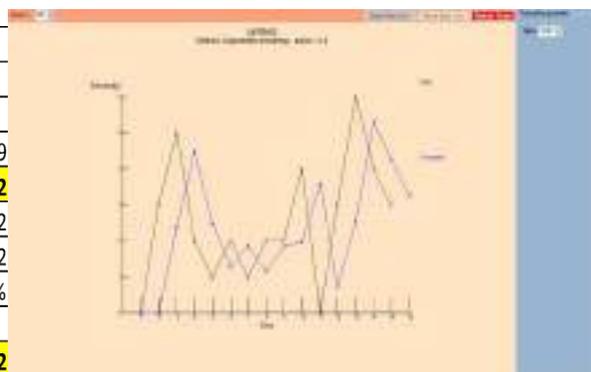




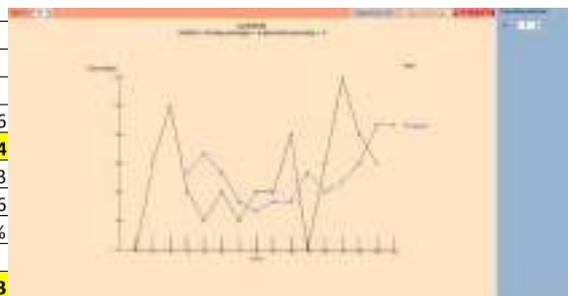
**Figura A15. Balanced gatito x 2 kg. Ventas por mes, PMS, SE y sus graficas**



Suavizamiento Exponencial ; Alfa=0,80	
Measure	Value
Error Measures	
Bias (Mean Error)	0,29
<b>MAD (Mean Absolute Deviation)</b>	<b>1,862</b>
MSE (Mean Squared Error)	4,542
Standard Error (denom=n-2=12)	2,302
MAPE (Mean Absolute Percent Error)	61,11%
Forecast	
<b>next period</b>	<b>3,252</b>



Promedio Movil ; n=3	
Measure	Value
Error Measures	
Bias (Mean Error)	0,056
<b>MAD (Mean Absolute Deviation)</b>	<b>1,444</b>
MSE (Mean Squared Error)	3,093
Standard Error (denom=n-2=10)	1,926
MAPE (Mean Absolute Percent Error)	53,24%
Forecast	
<b>next period</b>	<b>4,333</b>





**Figura A16.** *Royal mini adult x 3 kg. Ventas por mes, PMS, SE y sus graficas*



Suavizamiento Exponencial ; Alfa=0,80	
Measure	Value
Error Measures	
Bias (Mean Error)	-0,005
<b>MAD (Mean Absolute Deviation)</b>	<b>2,178</b>
MSE (Mean Squared Error)	6,645
Standard Error (denom=n-2=12)	2,784
MAPE (Mean Absolute Percent Error)	62,70%
Forecast	
<b>next period</b>	<b>0,942</b>

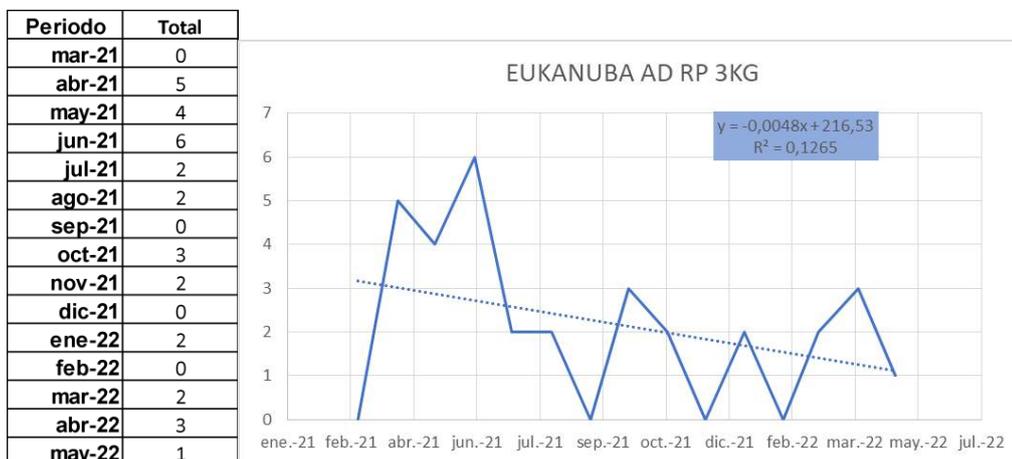


Promedio Movil ; n=3	
Measure	Value
Error Measures	
Bias (Mean Error)	-0,028
<b>MAD (Mean Absolute Deviation)</b>	<b>2,194</b>
MSE (Mean Squared Error)	6,028
Standard Error (denom=n-2=10)	2,689
MAPE (Mean Absolute Percent Error)	54,54%
Forecast	
<b>next period</b>	<b>3</b>





**Figura A17. Eukanuba ad RP x 3 kg. Ventas por mes, PMS, SE y sus graficas**



Suavizamiento Exponencial ; Alfa=0,80	
Measure	Value
Error Measures	
Bias (Mean Error)	0,12
<b>MAD (Mean Absolute Deviation)</b>	<b>1,901</b>
MSE (Mean Squared Error)	5,086
Standard Error (denom=n-2=12)	2,436
MAPE (Mean Absolute Percent Error)	59,95%
Forecast	
<b>next period</b>	<b>1,347</b>

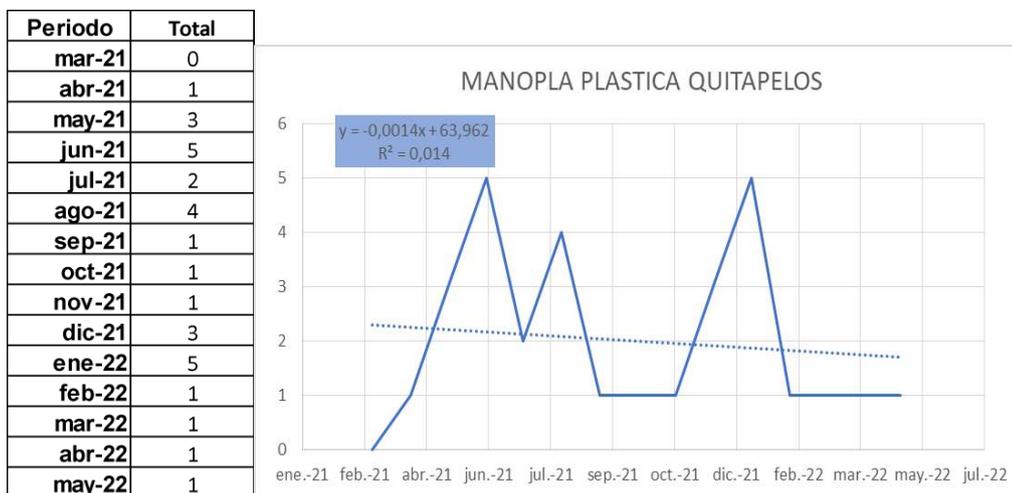


Promedio Movil ; n=3	
Measure	Value
Error Measures	
Bias (Mean Error)	-0,306
<b>MAD (Mean Absolute Deviation)</b>	<b>1,694</b>
MSE (Mean Squared Error)	3,806
Standard Error (denom=n-2=10)	2,137
MAPE (Mean Absolute Percent Error)	48,15%
Forecast	
<b>next period</b>	<b>2</b>

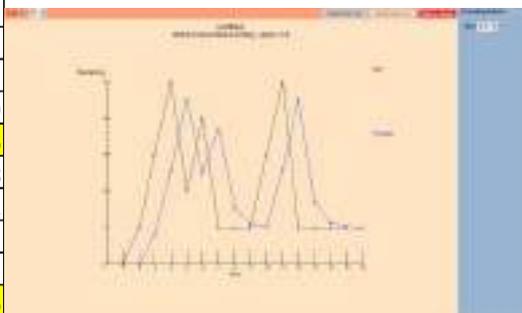




**Figura A18.** Manopla plástica quitapelos. Ventas por mes, PMS, SE y sus graficas



Suavizamiento Exponencial ; Alfa=0,80	
Measure	Value
Error Measures	
Bias (Mean Error)	0,09
<b>MAD (Mean Absolute Deviation)</b>	<b>1,555</b>
MSE (Mean Squared Error)	3,608
Standard Error (denom=n-2=12)	2,052
MAPE (Mean Absolute Percent Error)	90,95%
Forecast	
<b>next period</b>	<b>1,006</b>

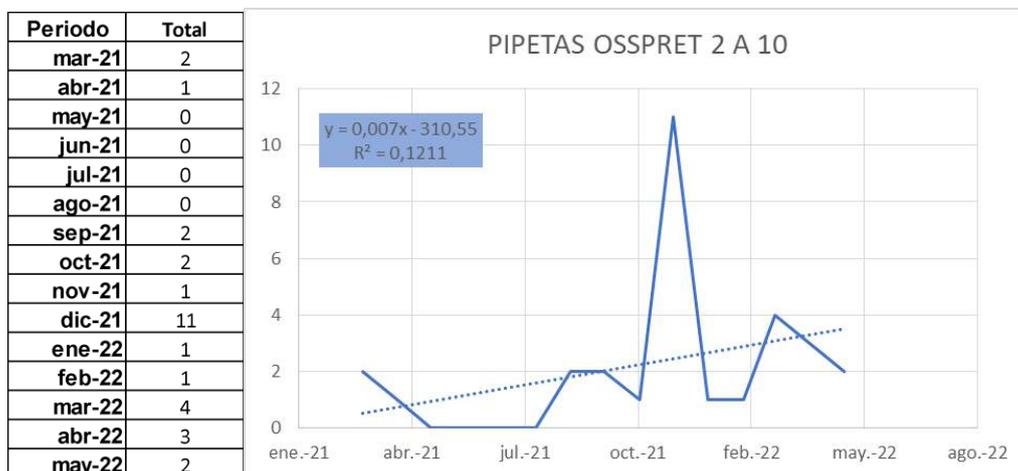


Promedio Movil ; n=3	
Measure	Value
Error Measures	
Bias (Mean Error)	-0,139
<b>MAD (Mean Absolute Deviation)</b>	<b>1,75</b>
MSE (Mean Squared Error)	4,139
Standard Error (denom=n-2=10)	2,229
MAPE (Mean Absolute Percent Error)	108,89%
Forecast	
<b>next period</b>	<b>1</b>

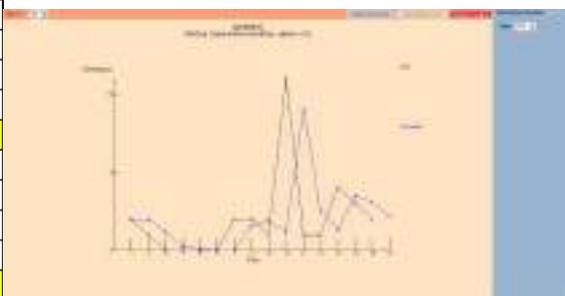




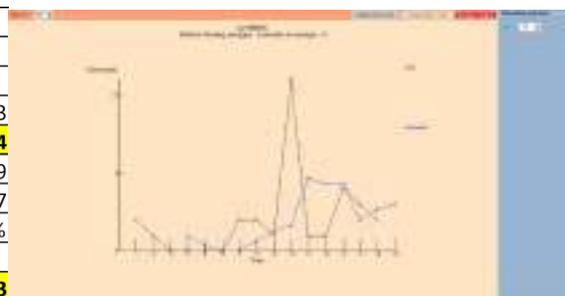
**Figura A19.** *Pipeta osspret 2 a 10 kg. Ventas por mes, PMS, SE y sus graficas*



Suavizamiento Exponencial ; Alfa=0,80	
Measure	Value
Error Measures	
Bias (Mean Error)	0,02
<b>MAD (Mean Absolute Deviation)</b>	<b>2,108</b>
MSE (Mean Squared Error)	12,829
Standard Error (denom=n-2=12)	3,869
MAPE (Mean Absolute Percent Error)	107,33%
Forecast	
<b>next period</b>	<b>2,219</b>

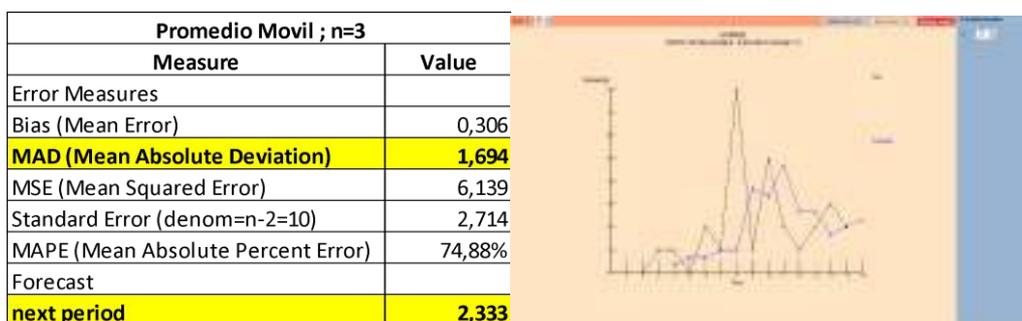
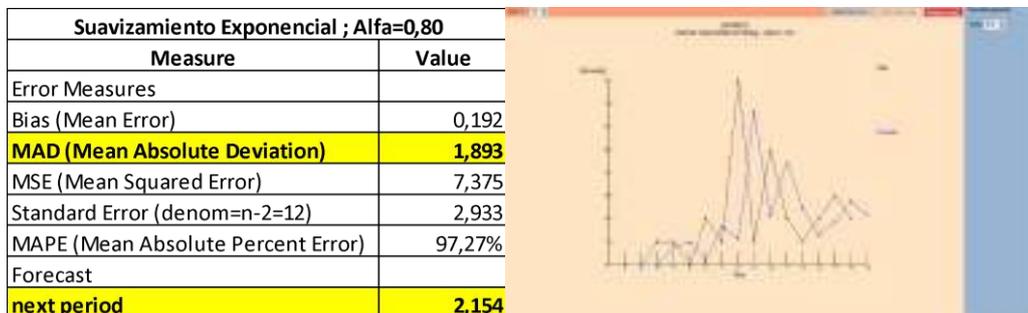
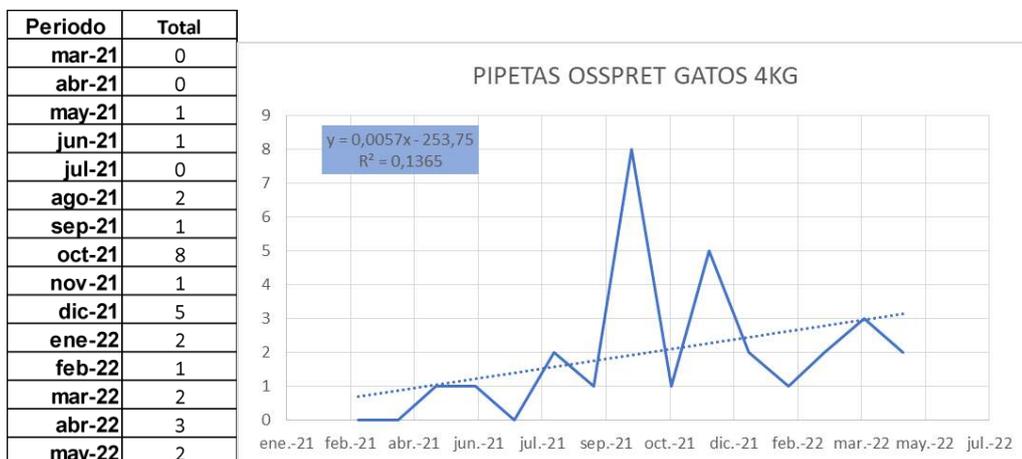


Promedio Movil ; n=3	
Measure	Value
Error Measures	
Bias (Mean Error)	0,333
<b>MAD (Mean Absolute Deviation)</b>	<b>1,944</b>
MSE (Mean Squared Error)	10,019
Standard Error (denom=n-2=10)	3,467
MAPE (Mean Absolute Percent Error)	88,32%
Forecast	
<b>next period</b>	<b>3</b>



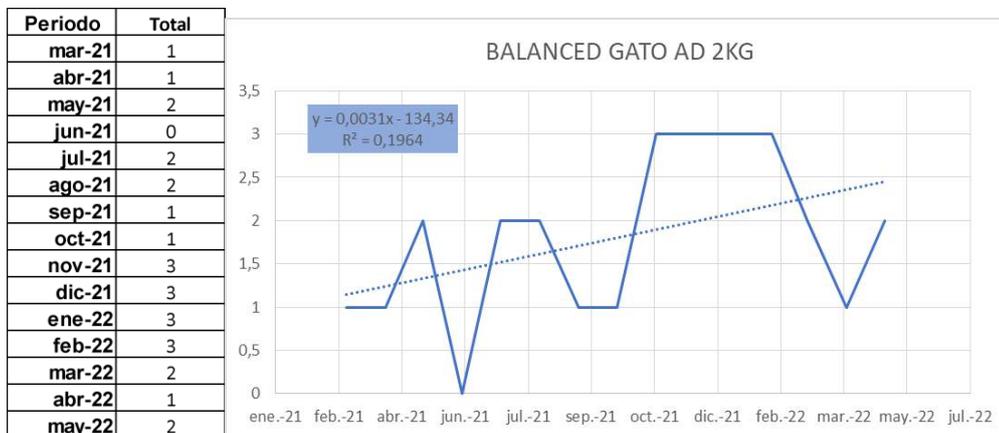


**Figura A20.** Pipeta osspret gato 4 kg. Ventas por mes, PMS, SE y sus graficas





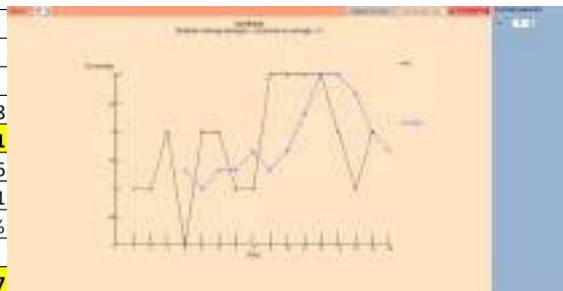
**Figura A21. Balanced gato ad x 2 kg. Ventas por mes, PMS, SE y sus graficas**



Suavizamiento Exponencial ; Alfa=0,80	
Measure	Value
Error Measures	
Bias (Mean Error)	0,076
<b>MAD (Mean Absolute Deviation)</b>	<b>0,807</b>
MSE (Mean Squared Error)	1,069
Standard Error (denom=n-2=12)	1,117
MAPE (Mean Absolute Percent Error)	39,28%
Forecast	
<b>next period</b>	<b>1,848</b>

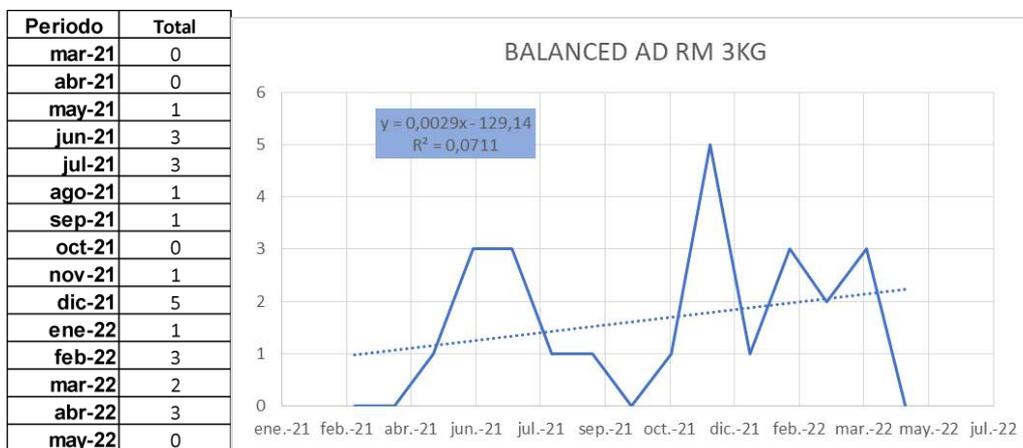


Promedio Movil ; n=3	
Measure	Value
Error Measures	
Bias (Mean Error)	0,028
<b>MAD (Mean Absolute Deviation)</b>	<b>0,861</b>
MSE (Mean Squared Error)	1,046
Standard Error (denom=n-2=10)	1,121
MAPE (Mean Absolute Percent Error)	43,52%
Forecast	
<b>next period</b>	<b>1,667</b>

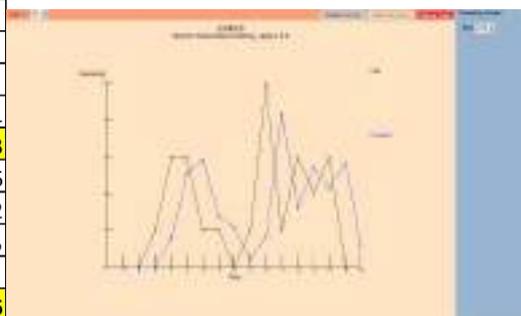




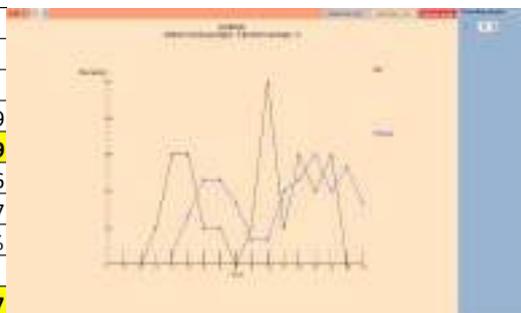
**Figura A22. Balanced ad RM x 3 kg. Ventas por mes, PMS, SE y sus graficas**



Suavizamiento Exponencial ; Alfa=0,80	
Measure	Value
Error Measures	
Bias (Mean Error)	0,051
<b>MAD (Mean Absolute Deviation)</b>	<b>1,493</b>
MSE (Mean Squared Error)	3,576
Standard Error (denom=n-2=12)	2,042
MAPE (Mean Absolute Percent Error)	71,88%
Forecast	
<b>next period</b>	<b>0,566</b>

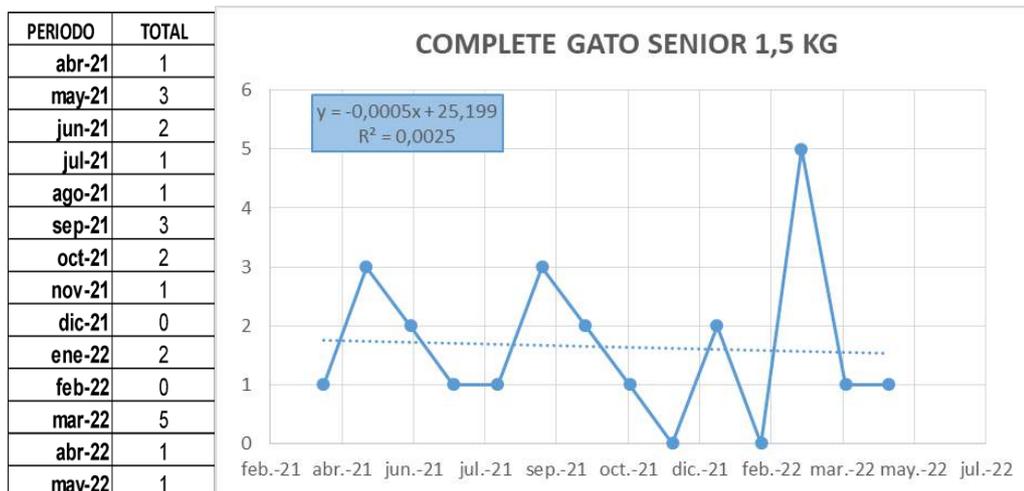


Promedio Movil ; n=3	
Measure	Value
Error Measures	
Bias (Mean Error)	0,139
<b>MAD (Mean Absolute Deviation)</b>	<b>1,639</b>
MSE (Mean Squared Error)	3,806
Standard Error (denom=n-2=10)	2,137
MAPE (Mean Absolute Percent Error)	61,39%
Forecast	
<b>next period</b>	<b>1,667</b>

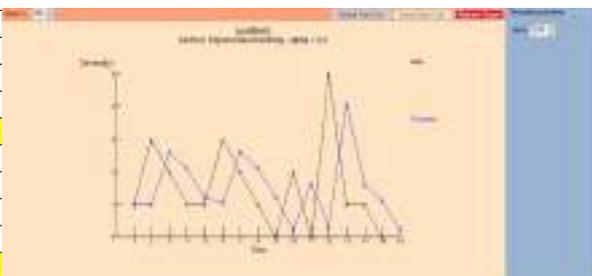




**Figura A23. Complete gato senior x 1,5 kg. Ventas por mes, PMS, SE y sus graficas**



Suavizamiento Exponencial; Alfa=0,80	
Measure	Value
Error Measures	
Bias (Mean Error)	-0,069
<b>MAD (Mean Absolute Deviation)</b>	<b>1,552</b>
MSE (Mean Squared Error)	3,662
Standard Error (denom=n-2=12)	2,067
MAPE (Mean Absolute Percent Error)	70,57%
Forecast	
<b>next period</b>	<b>0,225</b>

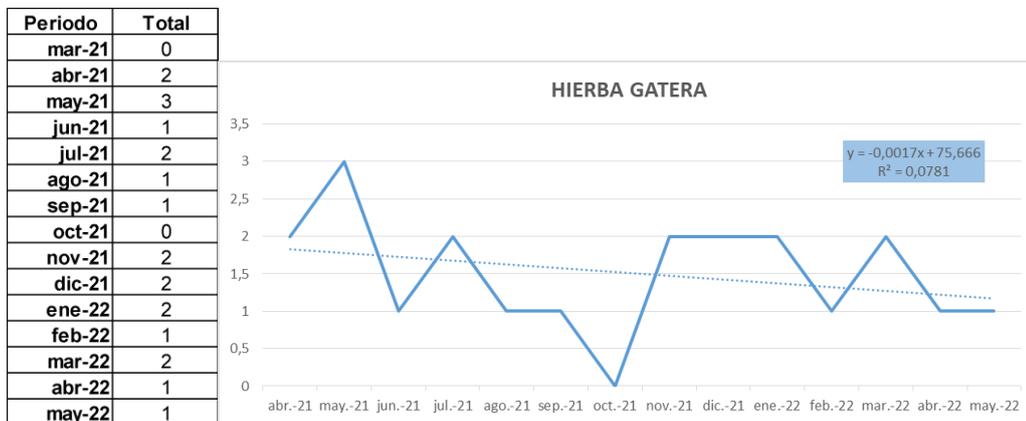


Promedio Movil ; n=3	
Measure	Value
Error Measures	
Bias (Mean Error)	-0,278
<b>MAD (Mean Absolute Deviation)</b>	<b>1,5</b>
MSE (Mean Squared Error)	3,241
Standard Error (denom=n-2=10)	1,972
MAPE (Mean Absolute Percent Error)	61,85%
Forecast	
<b>next period</b>	<b>0,667</b>

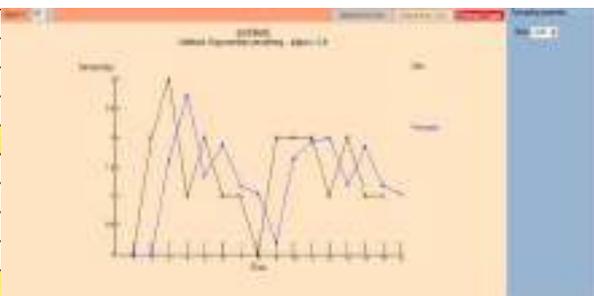




**Figura A24. Hierba gatera. Ventas por mes, PMS, SE y sus graficas**



Suavizamiento Exponencial; Alfa=0,80	
Measure	Value
Error Measures	
Bias (Mean Error)	0,092
<b>MAD (Mean Absolute Deviation)</b>	<b>0,919</b>
MSE (Mean Squared Error)	1,207
Standard Error (denom=n-2=12)	1,187
MAPE (Mean Absolute Percent Error)	57,60%
Forecast	
<b>next period</b>	<b>1,034</b>

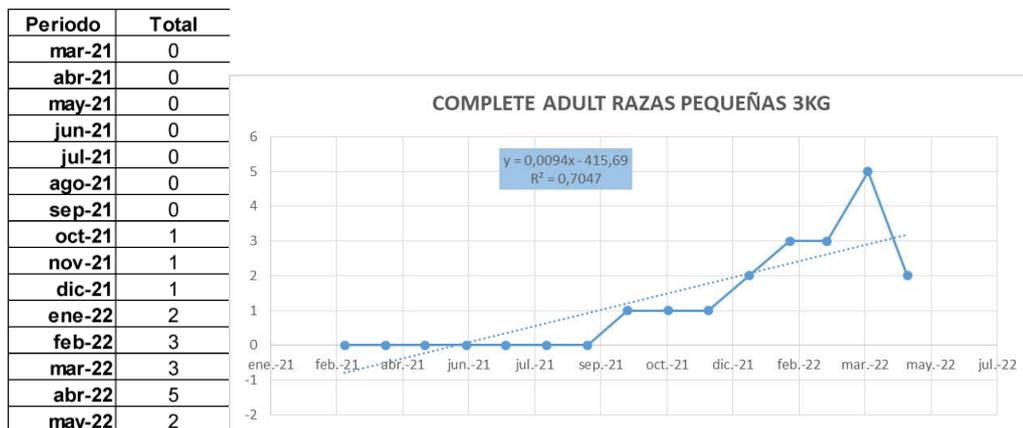


Promedio Movil ; n=3	
Measure	Value
Error Measures	
Bias (Mean Error)	-0,167
<b>MAD (Mean Absolute Deviation)</b>	<b>0,722</b>
MSE (Mean Squared Error)	0,685
Standard Error (denom=n-2=10)	0,907
MAPE (Mean Absolute Percent Error)	47,22%
Forecast	
<b>next period</b>	<b>1,333</b>





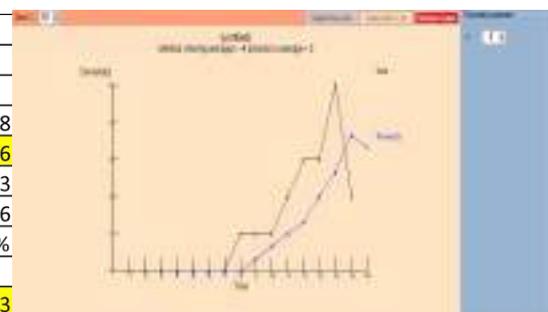
**Figura A25.** Complete adulto razas pequeñas x 3 kg. Ventas por mes, PMS, SE y sus graficas



Suavizamiento Exponencial; Alfa=0,80	
Measure	Value
Error Measures	
Bias (Mean Error)	0,225
<b>MAD (Mean Absolute Deviation)</b>	<b>0,595</b>
MSE (Mean Squared Error)	1,033
Standard Error (denom=n-2=12)	1,098
MAPE (Mean Absolute Percent Error)	28,07%
Forecast	
<b>next period</b>	<b>2,518</b>

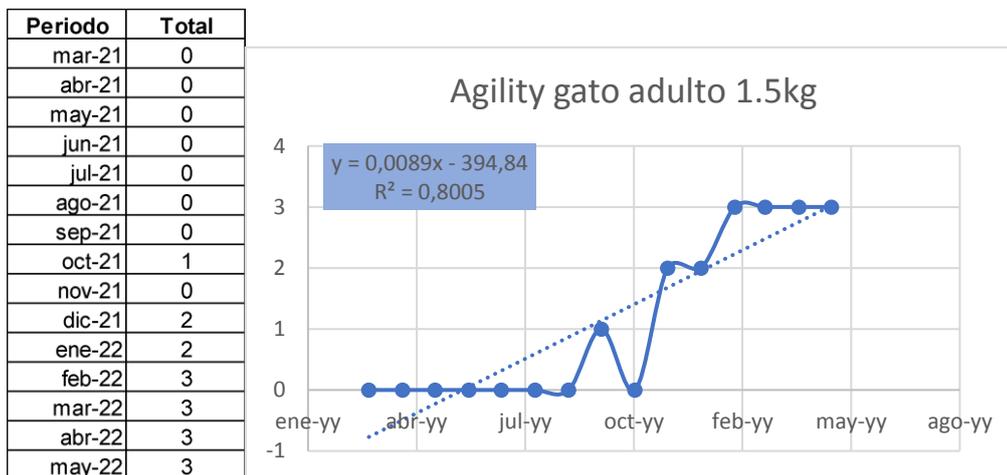


Promedio Movil ; n=3	
Measure	Value
Error Measures	
Bias (Mean Error)	0,528
<b>MAD (Mean Absolute Deviation)</b>	<b>0,806</b>
MSE (Mean Squared Error)	1,213
Standard Error (denom=n-2=10)	1,206
MAPE (Mean Absolute Percent Error)	39,07%
Forecast	
<b>next period</b>	<b>3,333</b>





**Figura A26.** Agility gato adulto x 1,5 kg. Ventas por mes, PMS, SE y sus graficas



Suavizamiento Exponencial ; Alfa=0,80	
Measure	Value
Error Measures	
Bias (Mean Error)	0,268
<b>MAD (Mean Absolute Deviation)</b>	<b>0,382</b>
MSE (Mean Squared Error)	0,454
Standard Error (denom=n-2=12)	0,728
MAPE (Mean Absolute Percent Error)	18,22%
Forecast	
<b>next period</b>	<b>2,998</b>

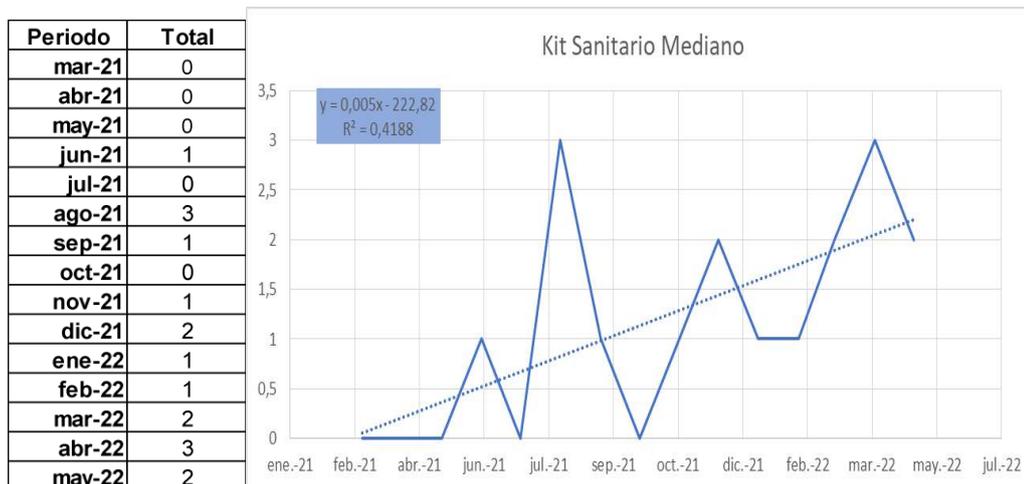


Promedio Movil; n=3	
Measure	Value
Error Measures	
Bias (Mean Error)	0,5
<b>MAD (Mean Absolute Deviation)</b>	<b>0,5</b>
MSE (Mean Squared Error)	0,759
Standard Error (denom=n-2=10)	0,955
MAPE (Mean Absolute Percent Error)	21,30%
Forecast	
<b>next period</b>	<b>3</b>





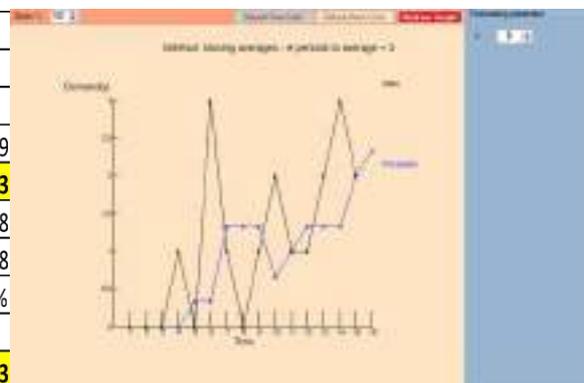
**Figura A27. Kit Sanitario mediano. Ventas por mes, PMS, SE y sus graficas**



Suavizamiento Exponencial ; Alfa=0,80	
Measure	Value
Error Measures	
Bias (Mean Error)	0,192
<b>MAD (Mean Absolute Deviation)</b>	<b>0,936</b>
MSE (Mean Squared Error)	1,346
Standard Error (denom=n-2=12)	1,253
MAPE (Mean Absolute Percent Error)	49,17%
Forecast	
<b>next period</b>	<b>2,152</b>

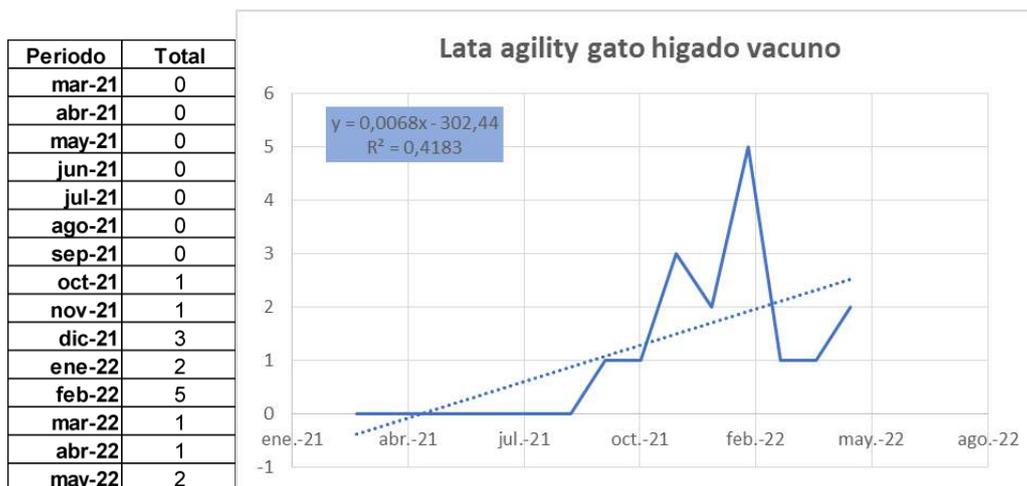


Promedio Movil; n=3	
Measure	Value
Error Measures	
Bias (Mean Error)	0,389
<b>MAD (Mean Absolute Deviation)</b>	<b>0,833</b>
MSE (Mean Squared Error)	1,278
Standard Error (denom=n-2=10)	1,238
MAPE (Mean Absolute Percent Error)	37,04%
Forecast	
<b>next period</b>	<b>2,333</b>

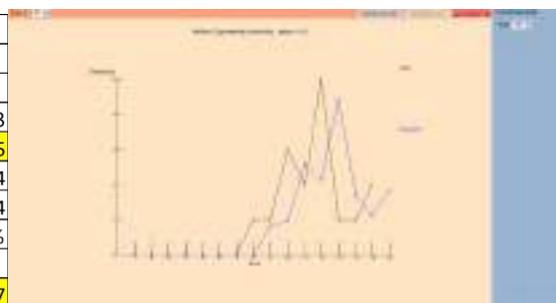




**Figura A28.** Lata agility gato higado vacuno 340 gr. Ventas por mes, PMS, SE y sus graficas



Suavizamiento Exponencial ; Alfa=0,80	
Measure	Value
Error Measures	
Bias (Mean Error)	0,163
MAD (Mean Absolute Deviation)	0,835
MSE (Mean Squared Error)	1,914
Standard Error (denom=n-2=12)	1,494
MAPE (Mean Absolute Percent Error)	52,09%
Forecast	
next period	1,827



Promedio Movil; n=3	
Measure	Value
Error Measures	
Bias (Mean Error)	0,25
MAD (Mean Absolute Deviation)	0,972
MSE (Mean Squared Error)	2,028
Standard Error (denom=n-2=10)	1,56
MAPE (Mean Absolute Percent Error)	61,48%
Forecast	
next period	1,333

