· -> Time Sexies Analysis:-

D Comsides sales data of an osganization p 10 years use 3-year moving average to psedict the sales for the year 2019

	18136		May her
Yeas	sales	· /0 × 0 0	N.
2009	213	: (B ← Q(B)	Blift.
2010	221		
2011	198		
2012	234		
2013	201		
2014	197		
2015	212	(-	
2016	222		
2017	217		
2018	219		
2019	?		

compute the exxox in prediction. Compute MAD, RMSE and MAPE

A)

	yeas	Sales	Fose cast as per 3 year MA(Y-Cap)	ESSOX (4-7-CAP)	Absolute Exxox	squared Exsor	· · Ex 506
, ·	2009 2010 2012 2012 2013 2014 2016 2016 2018	213 922 922 212 214 219 219	214.67 214.67 211 210.67 203.33 210.33 210.33	9.3:33 9.3:33 9.3:33 9.3:33 9.3:33 9.3:33 9.3:33 9.3:33 8.67 9.67 9.67 8.67	M + + 1	244.2889 277.8889 196 1.7689 3.48.5689 44.4889 4	23.33 9.24.51 9.24.51 8.24.59 7.1066 0.61.74 8.40.99 3.07.34 0.91.32
	Note: Tracking Previous	rsacking Psevious	Tracking signal >6 & Prediction no	signal = Bias 2-6, pseedictionges Jalid	<u> </u>	Jo Pa	

	les for !	2 months	ose (
given hexe month	Actual sole Cin unit	4	
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2	12.	31	ė.
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4	16		7.
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6 60		Jun	+
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2 C+	30	25	٩
ت د د ال	28	31	Ø i
10	18	d	1 1
· In mark	16	-41	
12	14		51
the owner of Superin	nasket de	cides to	Forecast
the owner of supexr sales by weighting	the past	3 months	as follows
weights Appl	ied m	ronth	_
3	Per	vious mon	H
2		months	
1	The	ec months	back
Compute weighted me the sales fox 13th	oving ave	sage and	d psedict

, A)	month	Actual sale cin unit	average forecast nome	
	,	10	2042 1113	
	2	12		
	3	13		
	4	16	(13x3+12x2+10x1) 6 = 12.1667	
•	5	19	14.3333	
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r	8	30	23.8333	
	9	28	35 27.5 8	
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