*	Mean, Median, Mode and Range Fox Machine learning	
	and Range Fox	
	00	
	Machine learning	
	J	
	Mean (Avg.) Detoset	
	Observation Car-Speed	
	10 AM 80 15 M/4	
	10:15 AM 4011	
	1.30AM 75 "	
	10: 45 AM 100 "	
	10:55 _{AM} 80 "	
	"	
	Averege Speed	
	$\bar{X} = 1 \bar{Z} \chi_i$	
ot automore suck a transfer a construction	n i=1	
	= 1 (50+9 U+75+100+80+60+5	0
	7	
	- 1 [535]	
	7	
	= 76.43 FM/1	

	& Mean Role	in M	<u></u>	
	Run Accu			
	40%			
	2 72 %. 3 90 %.			
	10 90%			
	Average accuracy = 9.	0.7%		
	1: 11	Burls	ivy	
	4	XI	×,	
	\$ 8 B	10	4	
	\$	7	9	
	3	(0	12	
	2 9	2	1 6	
X	0123456789101		9	
	The second secon	4	-	
		6	5	
		2		
		9	6	
		-4-	6	
	Augl	(1)	Aveg(X2)	
	= 5.6		= 4.8	
Militera				

	[dalaset]
B	Median Observation Speed
	10:00 AM 80/5M/hr
	10:15 AM 40
	20:25 AM 75 =
	10:55 AM 100=
	11:15 AM 80 7
	11: 40AM 60 =
554	11:55 AM 50 7
	Median = \(\langle \l
	$\frac{N^{+h}}{2} tom + (4N+1) where N$ even
	1st Sort sepeed lowert to
nederigen i de e endere nedere neder	highest medan odd (len)
	Median = 50, 60, 75, 80, 80, 90, 100
	$=80 \text{ KM/h}$ $\left(\frac{7+1}{2}\right) = \frac{89}{2} \text{ id}$
	if even
	$\frac{9^{+h}+5^{+h}}{2}=80+80=801cM14x$

	Median Role in ML.	
	Run Accuracy	-
-	1 40%	
	3 90%	
	90 /	
	1.0 707	
	Mann Accusacy = 83.4%	
	Mean Accuracy = 83.4%. Median = 50,00, 99190,90,92	
	= 90+90 - 90	
	2 =	
	The Main Advantage of the	
And the second second second	Median over the mean	
MANAGES STREET	is that median is less	
made, institute of	Suseptible to outliers.	
4		

	Dataset	
Ø	MODE Observation Speed	4
	10:00 AM 80 15	4/br
	10:15 AM 40	o .
	10:25 AM 25	5 .
	10:55 AM 100	5
	1'L:15 AM 80	4
	110: 40 AM 60	5
	11:55 AM 50	7
	The Mode Value is the	
	value that appears the	
	most number of times.	
	Mode of speed	
	Mode of speed 50,60,75,80,80,90,100	
	= 80 KM 1h8	
	•	

	Diteset	
A	RANGE Observet in Car-Spee	1
	10: DOAM 80 KM	16%
	" 40 "	
	" 75"	
	1 100 11	
	60 4	
	56 "	
management and a second	The difference b/w lowest	
	and highest values.	
	ranget-car-speed=100-500	
number 4 contract	= 50	
anwigorieum regeroaten	Scaled-S	
construction whether the	Role in ML (80-50)/100	-59)
The State of the S	Xnew = X; - min (X) (40-50)/1	
micrositi di mandino	max(x)-min(x) (75-50)/	
No. of Contrast Contrast	10° 11 6	/
the same or confidential	80, 1,	
	66 ; ;	
No. of the last of	50 " " "	
programme and the second		
	= 0.6,0.8,0.5,1.0,0.6,0.2,0.6	2
ALTERNATION OF THE PARTY OF		

女	Standard deviction and	
	Veriance Fox ML [Inf/	
Ø	Standard deviction (5)	·
	It tells us that, how	
	much data point deviate	
	From their mean. More Specific	\mathcal{O}_{7} ,
	3lt is square root of the	U
	average spead squared deviation	b
	from the mean.	
	$\sigma = \sum_{i=1}^{\infty} (x_i - \overline{x})^2$	
	V = mean	
×	Variance	
	It is the average squared	
	It is the average squared deviation from the mean	
		7.
	$\int_{1}^{2} - \sum_{i=1}^{n} (X_{i} - \overline{X})^{2}$	
	(=1	
		7.0

×	Calculat Standard deviation	
	and Variance	į,
	Systollic Blood Pressure X-X (X	$\frac{1}{x}$
	98 48-125-71= -28	184
		₹ b
100	130 130 11 = 4	16
	120 1201 = -6	36
	130 130 1 = 4	16
	102 102 /1 = 24	576
	160 160 11 = 34	1158
Step	$T = X = \tilde{\Sigma}(\tilde{N}) - 125.72$ = 27	80
(Mean		2.19
	std = 6 = Sqrt (397.14) =	493
	(i) Find the Mean (X)	
	ii) Find symme of its distance	=
	to Find Mean	
	ii) sum the values from Step 2	
	(iv) Divide the number of date soi	As
	(v) Take the quare yout it	
	computing standard deriction.	

