EDA & FE

2 Last Last Laster

	Jan 1				
and				8	
(a) be /	ω_{L}	1.785	ж.	Æ	
	200	1.00	•	274	نطا

EDA -> Emplorationy Data Analysis
FE > Feature engenearing

DSs life apple

1) Data collection Gro Ingestifon

EDA[Exploredony & Dose Analys95]

pre-procuesing the Data

model building

Evaulate the Model

Statistics

** Statistics ? Evenue of collecting the Data & organise, Analysis the data.

I started the Date after the states

Pn EDA soerform

		Sala s	1 P	radict			202	
		Sala 5	1 P	radict	- 2	14.144	107	
		4.	- い	roduct	J.S.	going	down	
		4.	- い	عامك	ំរ	going	down	
					Tos	07	- GUN	
				Continue to a section	.73	7		
				_	د ريا د اوا			
			W.	Produ	et,	Paying	to cust	ower,
				Cooder	Mip,	ment	leting,	Compatite
				Ĺ		_b	7	
	dil	الانف ال			and the	a Call	and de.	وطما
				L	, ,		ine ine	datas:
n 3t		AL I			to de	OL	e de	Solution
C)	- Like	2 16	9	<u> </u>	with	holi	4	Analysis
Čirin.	2 1- 7as	Robe	9	per	sons (Druolin	el in a	ay wind
بالمتن	1882	9		D'	- Ale	abour	5 600	blem)
			Pra	sect.	Mana	gex 1		
والمتأثرة		atch as					1300	is the
	vå er e	3.3	Dad	Tow S	8000	1201		chiston.
		L Arad				4131	COM	MISTOY!
A						. Sau	0	
AM		and a	7	acre	300	we	Vava	rle .
_a	o f	analyses.						
			3		47		7	99
Fa	mous	Dasto	Se	13		-		
	ອ				A K		4026	
À la	7.07	Notice	1.2			A		
		Dag		3.1	E 1971		1	2-

	200
The same same same same same same same sam	Francis,
According to sale set	
and de Lea Co	24.5
\$ 24 can be available for any of the Co	CONT
Tempte watern to got the data who	
Car, resear	4
In different file format	i.,
Car, reserved different file format CSU, Pdf, X182, JSon, xml	No.
CSU, 104) XISY,	
Types y Data	
The second secon	and the same
After collecting the clata	again na
Generaly, Data can be as gatch data,	
Storaming data 1888tone	
Conditions of the conditions o	
12 Structured data > (Table) -> ex	74
a) unstructural data > (=>: img, vid	٠٧٠
9) 30ml Structured data > (+m2, 550n)
1 20 10 kin Ath A hard fill	Action (see or 1)
The state of the s	
FOR + FE	
1 4-37. Photo 23.45.7	
STATE OF THE PARTY	
Strand gate	16
-> fedure-0 forme-2 fedure-3	
할머니이를 이어 아이는 아름다면서 어느로 그 이번 전쟁에 되었습니다. 그는 그를 하는 어린다. 그는 그를 모르는 그를 보는 그를 보는 것이다.	
20 120 22 12	
80 180 dh	
90 190 26	
100 200 30	
100 100	1

Structural Data Numeric . Catogory Continuous disnote Nominal ordinal (EX:10,50) Helants (ex: 165.5, 40.2) whole wo TOTAL ME Categorias [wom?nd, andinal High to & Prince Conto)-Male) Category Blood) Coloring SHOW VI Francisca May Gray Nomina \$ order doesn't Moster that's called Nomina Fto us can have any order of the dota can be fore with the Data Sof. Pue male Pemolo Female Male Male Domale This order . 2+ can't be make also ordina Shald be ?mportant x order

00000

	Procedical	- Pmplar	endodia e	motouls		
				E27	gove	education
8-1			ноды		M	
4)	Kou? H	& &		72		Cy
2	Rabor	11		56		He
3	Those	<u>, 38</u> .	168	75	_ M	PAd
h	Hollo	n 25		62	A.P.	UG
5	Barton	, 2h	156	70	2 hor 12 h	የ ኢ
	Floor de	utel .				
			Carlotta Comment	Time I	exect Ch	e.
		Categoric	· the	features [Colume	ANT CONTRACTOR
		2	-	9	Mala	
				A THOMP	May 200	
A Company	Name	Age	Helgid	welght	Son	coluesto
	9	<i>g</i>	7			5
	Codago	Numerate	numoric		be lake,	Cate
	32) (confinue)	(const)	(Nomin	ondin
	(Nom?re)	(cout has)) ((ontwo-)	Mark Car		1486-50
	28 doub Al	ralyses.	32./V1 1's	2001 E	K1 *	PG 3
			TF) ->5			P1+0-6
	P	DUARRA	TE 4 24			
			الرحيات الم			*****
		wriz	- 1.5 / L			
					A STATE OF THE STA	
	De wa	d to check	A Aspers.	g the		e Analysis
	- 344		Students		Univament	e Analysis
2	2)84 7	2 west	to check	Heart		e Analysis
	-#s ₂ 7 22	whi y	es Pentine	000	Blumbate	· Analysis
		900	Derson	3	IO: NOITHERE	
	1 -1	7				
	B) Du	8	- 1 00	- FE)	- J	Analyte is.
	7	Que. O	To Ches	de seg	an He	anote a
	騒 さし、 しんご 57 -	NEW	MAN MANY	W. 1 - 1 -	~ 1~ 1 0 83	1/1

Endeport Deportent	
1) I'd we went only -	
Age, Name, Hos	But more Der Pe
Endopentent	7 B
	V
2) By we want weight	g' those people
mous we depending	the people age
So St was Departer	
Sich in last of the Ch	
One Piperse g M	
2 1.2 9 3	30 7 - Joef
Dale Bushen W	
Dak Engeston	1 3
4 1 1 1 1 1 1	The same of the sa
2	EDA .
3) Pro Proubling (FF) B)) missing val
2) Pro Proubling (FF) R) 4) Model Training) outlest
2) Pro Prouting (FF) R) 4) Model Training 8) Evaluating the Model (vo) outbert 2) 3 call to
Dro Prouting (FF) R) 4) Model Training 8) Coolbattis the Model (vo) (1) missing val a) outlear alidation a) scall to
Dro Prouting (FF) R) 4) Model Training 8) Coolbattis the Model (vo) outbert 2) 3 call to
Pro Prouting (FERE) 4) Model Training 8) Evaluating the Model (or EDA 2)	missing val a) outleer abidation a) scall to
Pro Prouting (FERE) 4) Model Training 8) Evaluating the Model (or EDA 2)	missing val a) outleer abidation a) scall to
Pro Prouting (FER) 4) Model Training 8) Evaluating the Model (or FDA ?	2) missing val a) outlear alidation a) scall to b Change
Pro-Prouting (FER) 4) Model Training 8) Coalbatting the Model (each FDA ?3 Farboratory Data Analysis approach to Analysis	change Ps an Change
Fupbrodomy Data Analysis approach to analysis Visual techniques. 21 73	change PS an the data ush used to
Pro Processing (FF) Rs 4) Model Training 8) Evaluating the Model (see FDA PS Explorationy Data Analysis approach to analysis VPSual techniques 2+ Ps discover mends, Patte	change Ps an Change The data ush wood to
Pro Pracesting (FF) Rs 4) Model Training 8) Evaluating the Model (vol FDA ?3 FXPbroatony Data Analysis approach to analysis VPSual techniques 21 ?3 discover mends, Padte Cheek assumptions with	change Ps an Change The data us? Many on to the the help
Pro Processing (FF) Rs 4) Model Training 8) Evaluating the Model (see FDA PS Explorationy Data Analysis approach to analysis VPSual techniques 2+ Ps discover mends, Patte	change Ps an Change Change The data us? Many on to the delp A raphical

	€09			L. L Go 2\ 3	Sid Sid
			51.10		0.0
- 41	Name	Age		on Salary	
11	A			dou.	
	AB			1.254	and the second s
	BC			184	
	co :	٠. ١٥/	- 100 C	100 15W	J12-4
		EDO.	analys	29 510 61	19/14
	and the state of t	Ci.	Profile (y the data	43
	de la companya yang da	d	2 sates	if cal angleis	and the second s
				base analyse	
	profit g		<i>b</i> 3		
7			1. 7. 7. 8. 1.	SIAT CI	
				604 (4	
2.3	1	200.00		of 100 (10	
				ari Wala (a	14
	1 / m	# numer	e walus	color (c)	
		& Column			
	(C)	Dato 4490	٨		9 071
		auris		SATE SATE	
				1220	
				upiel wat.	
	1, 2		O THINAID	- + 15h	7 K AC
4	199 State	& book	Phalys	128 Lumberlate	, son-word ate, mul
	-(r - v)	Vonfax	LG 15	37.7 N YOU	A241
				Ganzas 1	
				411.5	
				26416	
		a) han a	40	t (a) 1 -ves	Annan Te
	2) 12 -1	3) man, a	allown m	od.	provoic "
	2 araph	bose	anlys	Q	
		was Cu	plat		
	A R July	4 /			

	(DATE / /
	3) Scatter for the Salar to Res
	ar) pre choa
	5) NOT (Morrial Donestes estamption)
	as Count Plat
	2) hostmap
	SHE CO
M Basa	ed on FDA me can be do a
	occassing of the Sata.
1	Pro-processing (FF)
	2) Handle the missing value
	a) outless, hardle
	2) Scaling of date
	() Transformation (log, Boxcot, Share, (use)
	5) encoding
	6) Donbalance Octo
	7) Peature Selection
	8) Peature Transformation (D? mersfor isoluction
	(rca, fsnf)
FOR	
	rebe (mulivalue) -> wondle the more value
- []	sobole 4200) islandle the outliness
11	Red (m, P) Den Coding (0,1)
11.	d (48gh range) > Scaling the data in cortain name
D Count	g feature -> Wardle Drubatane & polane
1	
41 -	have subset & Select the particular
3 4	ture Some of footune B called footune selection
D?mens	for modulifon (PCA +5nE)
	feature d, 2 12 2) one feature (x)
× 140	ce wer melier the of musi Pons.

If were were reluce

EDA. Automated dool Ph Python 1,60, 570 (16 of pandas Proffers a) mpto 2) Unine Control Cs a) Swahnis 5) Auto vi2 D) d-Tale (27) 647/23 Sorg Sort Eder production of the Street Co Mal fire 1 and power ca part (1882) restlement to many that 590.5 (2 35 2 2 2 2 2 2 2 2 2 2 - manda a 1237 (5 1911 1 - 50 Date (1) 10 - 1 - 1 - 1 - 50 1 - 1 - 1 - 1 - 1 water with the street of the second of the second Later than the state of the sta Harmon to the first of the second of The state of the s Lie astronom as a second