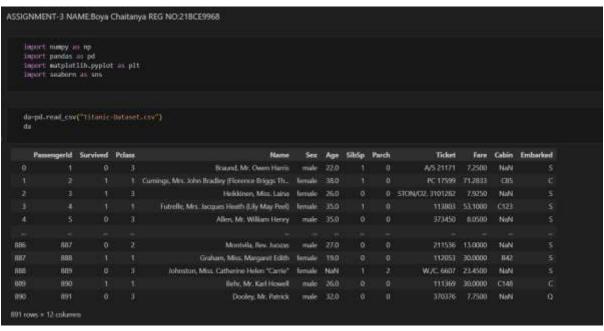
## **ASSIGNMENT -3**

NAME: BOYA CHAITANYA

REGNO:21BCE9968

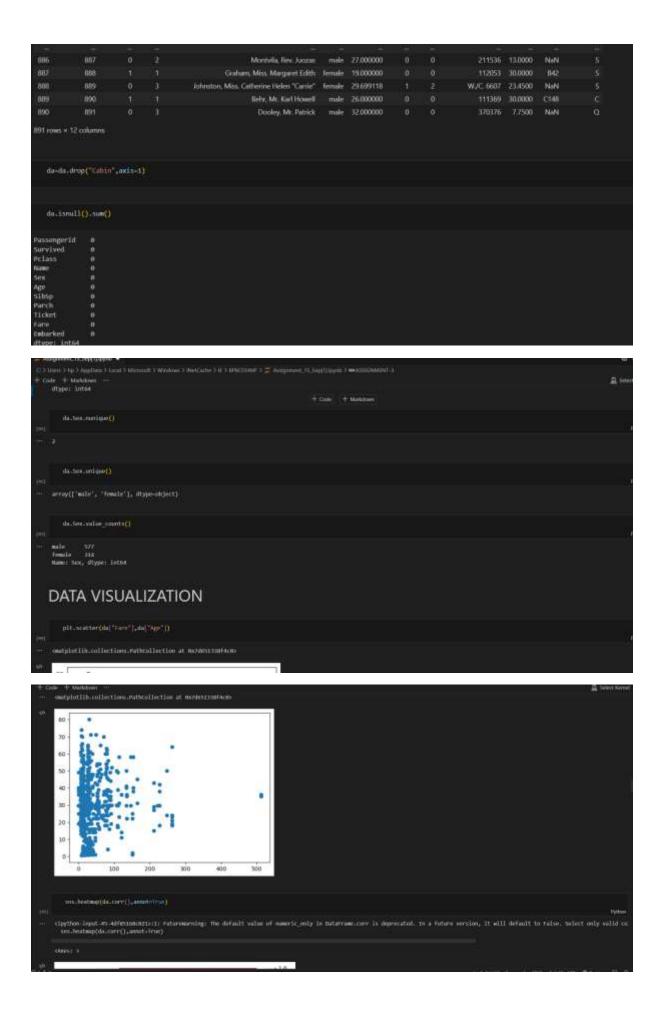
EMAIL:chaitanya.21bce9968@vitapstudent.ac.in

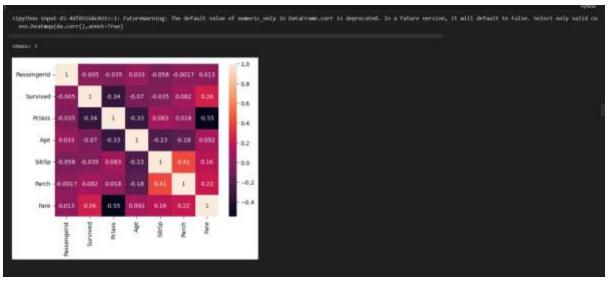


Pas	nengerld 5e	rvived	Pclass				Name	5ен.	Age	SibSp	Parch	Ticket	Fare	Cabin	Embarked
0						Braund, Mr. O	wm Harris	male	-22.0			A/5/21171	7,2500	NoN	
				Currings, I	Currings, Mrs. John Bradley (Florence Briggs Th.,							PC 17599	71.2833	CHS	
2					Heikkinen, Mas. Laina							STON/O2.3101282	7.9250	NoN	
				Figte	Futrelle, Mrs. Jacques Heath (Lily May Peel)							113803	53,1000	C123	
4					After, Mr. William Henry							373450	B.0500	NaN	
relace	describe()														
daz	describe()	Survi	wed	Pclans	Age	SihSp	Parch		Fare						
		Survi		Pclass 891.000000	<b>Age</b> 714.000000	<b>SibSp</b> 891.000000	Perch 891,00000		Fare 00000						
count	Passengerid	Survi	0000					891.0							
count	Passengertd 891.000000	Survi 891.000	000 838	891.000000	714.000000	H91.000000	891,000000	391.0	00000						
count mean	Passengertd 891.000000 446.000000	Survi 891.000 0.383	000 838 592	891.000000 2.308642	714.000000 29.699118	891.00000G 0.523008	891.000000 0.381594	32.2 49.6	00000						
count mean std	Passengertd 891.000000 446.000000 257.153842	5urvi 891.000 0.383 0.486	0000 838 592	891.000000 2.308642 0.836071	714.000000 29.659118 14.526497	891.000000 0.523008 1.102743	891.000000 0.381594 0.806057	1 891.0 1 32.2 1 49.6 1 0.0	00000 04208 #3429						
count mean and min	Passengertd 891.000000 446.000000 257.353842 1.000000	5urvi 891.000 0.383 0.406 0.000	0000 838 592 0000	891.000000 2.308642 0.836071 1.000000	714.000000 29.699118 14.526497 0.420000	891.000000 0.523008 1.162743 0.000000	891,000000 0.381594 0.606057 0.000000	1 891.0 1 32.2 1 49.6 1 0.0 1 7.9	00000 04208 #3429 00000						
count mean std min 25%	Passenger5d 891.000000 446.000000 257.153842 1.000000 223.500000	Survi 891.000 0.383 0.486 0.000	0000 838 692 0000 0000	891.000000 2.308642 0.836071 1.000000 2.000000	714.00000 29.699118 14.526497 0.420000 20.125000	891.000000 0.523008 1.162743 0.000000 0.000000	891,000000 0.381594 0.806057 0.000000 0.000000	1 891.0 1 32.2 1 49.6 1 0.0 1 7.9 1 14.4	00000 94208 93429 00000 110400						

	Passengerid	Survived	Pclass	Age	SibSp	Parch	Fare
Passengerid	1.000000	-0.005007	0.035144	0.036847	0.057527	-0.001652	0.012658
Survived	0.005007	1.000000	0.338481	-0.077221	0.035322	0.081629	0.257307
Poleus	-0.035144	-0.338481	1.0000000	-0.369226	0.083081	0.018443	-0.549500
Age	0.036847	-0.077221	-0.369226	1.000000	0.306247	-0.189119	0.096067
SibSp	-0.057527	-0.035322	0.083081	-0.308247	1.0000000	0.414838	0.159651
Parch	0.001652	0.081629	0.018443	0.189119	0.414838	1.000000	0.216225
Fore	0.012658	0.257307	0.549500	0.096067	0.159651	0.216225	1.000000
Passengerid Survived Pclass Namo Sex App SibSp Purch Ticket	False False False False False True False False False False						
ure ubin mbarked Nype: bool da['Age'	False True True	H.Dracda[	Age*].mean	ю»:			

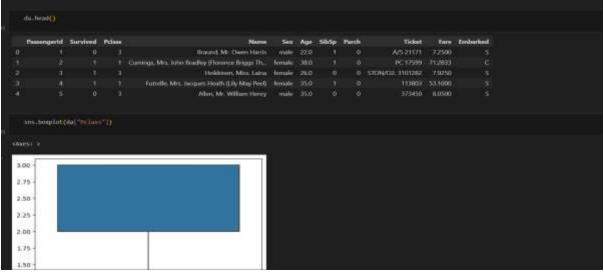
- 64	mongarld :	Survived	Pclass	Name	Sex	Age	SibSp	Parch	Yidet	Fare	Cabin	Embarked
				Bound, Mt. Owen Harris.	make	22.000000			A/5 21121	72500	NaN	
				Carrings, Mrs. Infon Bueffey (Florence Briggs Th.,	lensie	38.000000			DC 17599	71,2933	CHS	
				Hekkiran, Mrs. Laina	female	26,000000			STON/C2 3101282	7.9250	NaM	
				Futrafile, Mrs. Jacques Hooth Silly May Port)	Temale	35,000000			113003	53,1000	C123	
				Allen, Mr. William Henry	male	35,000000			373450	8.0500	NaNi	
106	107			Montella, Rev. Asson	mole	27,000000			211536	13.0000	NaN-	
887	893			Graham, Miss. Margaret Editis	lemale	19.000000			112050	30,000	842	
886	809			Johnston, Miss. Catherine Helen "Carrie"	lenule	29.699118			W./C. 6607	21,4500	NaN	
889	890			Selv, Mr. Karl Howell	male	26.000000			111368	304000	C148	
890	891			Dooley, Mr. Patrick	rmile	17.0000000			370376	7.7500	NaN	
25.511/6	12 cohere											
dalla	instance)	-60[*****		TIIm(da['tokinvod'],mide()[0])								
dalla	instance)		ked J.	Name	Sex	Age	ShSp	Parth	Tidet	Fare		Embarked
dalla	instance)	-60[*****		Name Brazed, Mr. Overs Hams	Sex male	Age 22,00000	5955p	Parch 0	Tideet A/5.21171	Fare 7,2500	Nati	Embarked 5
dal ta	instance)	-fa[*fellar		Name		ALCOHOL: N	595p					
dal ta	instance)	-fa[*fellar		Name Brazed, Mr. Overs Hams	reals	22,000000	\$16.5p	0	A/S 21171 PC 17599	7.2500	Nati	
da (1) tila	instance)	-fa[*fellar	Polans	Name Brazed, Mr. Owen Hams Curnings, Mrs. John Bedley Florence Briggs, Rt.	reals terrols	22.000000 36.000000		0	A/S 21171 I/C 17599	7.2500 73.2833	NaN CIS	
da (1) tila	instance)	-fa[*fellar	Polans	Name Brazed, Mr. Oven Hams Carnege, Mrs. John Badley Florence Briggs, Ri. Helbiner, Mrs. Laina	make terrole terrole	22.000000 38.000000 26.000000	1 1 0	0	A/5 21171 PC 17599 STON/C2: 3101252	7,2500 71,2833 7,0250	NaN CES NaN	

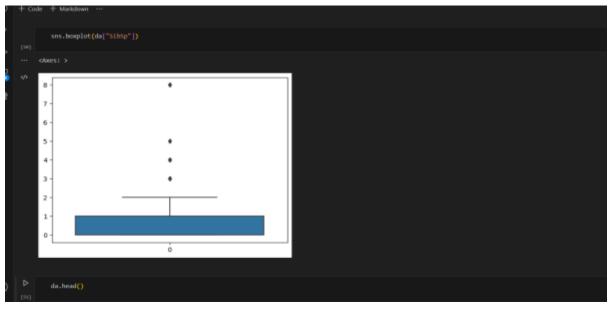






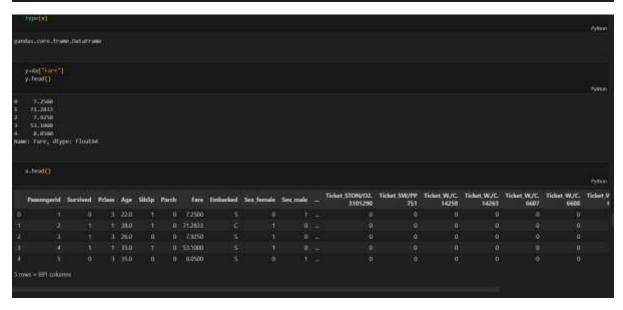






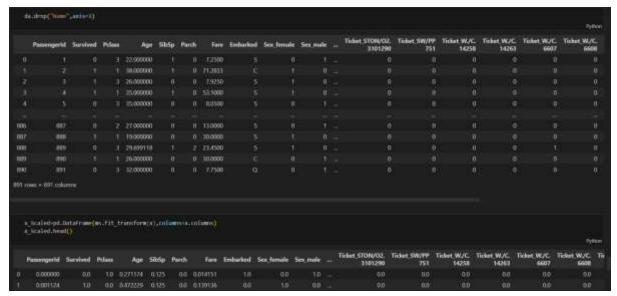
Passengertd	Survived	Polass					Nan	te Sex	Age	1250	Parch	71	cket	Fare	Embarked			
						Hound	Mr. Dwen Han	is male	22.0			A/5 2	1171	7.2500				
			Carri	ngs, Mrs.	John Do	adey (Fig	erce Biggs II	lemale	100		0		2599 2	12600				
						Holida	ioen Miss Lair	sa female.	26.0		. 0	5TON/02.310	1282	7.9250				
				Fubelle,	Mrs. fan	ques this	fi daly May Po	d) female			. 0		1803 S	3.1000				
						Allen, M	t: William Hen	ry mole	35.0				1850	E.0500				
.hesd()		Pclass	Age	SibSp	Parch	Fare	Embarked	See female	Sex	male	Tel		Ticket S		Ticket W./C.	Tichet W./C. 14263	Ticket W/C	
.hesd()				SibSp t		Fare 7.2500	Embarked 5	Sex female			. 19	int STON/OZ. 2101290	Ticket S	5W/PP 751	Ticket W./C. 14258	Ticket, W./C. 14263	Ticket W./C. 6607	Ticket_W/C. 6608
hesd()	Survived		Age	SibSp			Embarked					3101290	Ticket S	751	14258	14263	6607	6608
.hesd()	Survived		<b>Age</b> 22.0	S705p		7.2500	Embarked 5 C 5					3101290 0	Ticket S	751	14258 0	14263 0	6607 0 U	6608 0 0
.head() Sameogerid	Survived		Age 22.0 38.0	ţ		7.2500 71.2833		10				3101290 0 0	Tichet S	751 0 0	14258 0 0	14263 0 0	6607 0 U	6688 0 0 0
ida, drop (no .hmd())  Passengetd  1  7  3  4  5	Survived		Age 22:0 30:0 26:0	ţ		7.2500 71.2833 7.9250 53.1000		10				2101290 0 0	Tichet S	751 0 0	14258 0 0 0	14263 0 0 0	6607 0 0 0	6608 0 0 0
Savingetd  1  3 4	Survived 0 1 1 1		Age 2211 3831 2631 2531	1 1		7.2500 71.2833 7.9250 53.1000		No.				2101290 0 0 0 0	Ticket S	751 0 0 0	14258 0 0 0 0	14263 0 6 0	6607 0 0 0	6608 0 0 0

						Python
Ticket_W./C. 14263	Ticket_W./C. 6607	Ticket_W./C. 6608	Ticket_W./C. 6609	Ticket_W.E.P. 5734	Ticket_W/C 14208	Ticket_WE/P 5735
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0



						Python
cket_W./C. 14263	Ticket_W./C. 6607	Ticket_W./C. 6608	Ticket_W./C. 6609	Ticket_W.E.P. 5734	Ticket_W/C 14208	Ticket_WE/P 5735
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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- (9																		1970
0	from sklasm.proprocessing import Mintsotcalor mi-nurmaes.color() Typhon																	
	Parlian da																	
												Tide	- strikens	Ticket SW/PP	Ticket W./C.	Ticket W./C	Ticket W./C.	Fighten Ticket WJC
			Survived		Name Broad	Age	Slitsp	Parrill			Sex female	-11/1/	3101290	151	14258	14263	6607	COM
1					Harris Garnings	72,000000			12500					8 8		g		
					Mrs. infer Brudley (Flammer Briggs Ds	10.000000			71,2833									
				w	eriotean felklisen													
2				3.	Mes. Leans	M.000000												
-3					futtelle. Mrs. necques Heath (Lly May Feel)	35.000000			53.1000									
24					Allers Mr.	15,000000			8.11500									
Mis		<b>!!!</b> !			Moreylis, Fire: lucess	27.000000			13,0000				Ü					
867		ann			Graham. Miss Marssort Edith	19.000000			30.0000									
800		100			lohinition. Miss. Catherine : Helen "Carrie"	29.699118			23.4500				o					
1800		2940			Beloc Ma	26.000000			10.0000									
850		191			Deadiny, Mr. Patrick	32.000000			7,7500						P.)			
001 ros	ns + 6/3	2 columns																



																,
	PassengerM	Survived	Poless	Age	ShSp	Parrit	Fare	Emburked	Sex female	Sex male	Tidat STON/02. 3101290	Ticket SW/PP IST	Ticket W./C. 14258	Ticket W/C 14263	Ticket W/C. 6607	Ticket W./C.
	0.0000000	6.0		6271174	0.125	do	0.014151	1.0	0.0		88		0.0	0.0	0.0	0.0
	0.001124			0.872029			0.139176					0.0		0.0	0.0	0.0
	0.002547			0.321438	0100		0.015469			80				0.0	0.0	-0.0
	6.003371		0.0	0434531		8.0	11703644		10		0.0	80		0.0	80	
	0.004494			8.434511	0.000		0.015713		0.0					8.0	8.0	0.0
	rom skleare train,a të							t steems.	randon stati	Sag 1						
P	clatics_teal	n.shape;x	test.9	lage <sub>s</sub> y <sub>s</sub> tro	iin shag	e,y_1ai	Eurhape)									

et_W./C. 14263	Ticket_W./C. 6607	Ticket_W./C. 6608	Ticket_W./C. 6609	Ticket_W.E.P. 5734	Ticket_W/C 14208	Ticket_WE/P 5735
0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0