

Sadguru Balumama Shikshan Prasarak Mandal's K.P.PATIL INSTITUTE OF TECHNOLOGY

(DTE CODE: 6814) (MSBTE Code: 1661)
Approved by AICTE, DTE Mumbai &Govt. of Maharashtra, Affiliated to MSBTE Mumbai

Week No: 4	ternships Daily Diary (2025-26) Day: Friday	Date: 27-6-25
Tod	ay, I learned	about
Data proces	ssing or Data p	reprocessing
In machin	e learning. Data	preprocessing
	ess of preparing	
ta & ma	king suitable for	a machine
11	steps for it the	it are :-
	the dataset	
7.71	ting librarles	
	ting dataset	
	missing data	
1) Director	g categorical dat	
1 1	g dataset into	training of
vii) test s		
	re scaling	1 . 1.
	lso learned about	
1 0 1	it integorical do	
rical format	go algorithms	in ML can pro
cess it. The	ere are three to	upes of encodin
i) babel e	ncoding	
told and (ii	encodina	
DNE-FIEL	11	
iii) Ordinal e	ncoding 2025/07/01 20:16	
	DE No. 02324-244303 Email: kp	patilpolytechnic@gmail.com

Week No: 4 Day: Thursday Date: 26-6-15
Jaday, T salved tasks on FDA which is stands for Explorationy Date Analysis. In this task first I import libraries which support to may code the seaborn. Then I import dataset using read (). After importing dataset I sum some basic functions like info (), head (), tail () then I start to handle data column by column. In this task I use count plot, histogram plot, box plot bar plot, violin plot, heatmap plot of scatter plot. I also learn how to give interpretation on Jupyter notebook.

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Internships Daily Diary (2025-26) Week No: Day: Wednesday Date: 25-6-25 Solved task 1 cleaning cleaning , pandas, mat plot lib



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Plots in EDA that's are violin plot it made by Box plot t KDE plot, scatter plot it use to shows intercon ction between two variables, prin plot It shows relationship between all fear in dataset, Heatmap plot used for correlation visualization & or finding co relation between numerical variables, p plot it's a part to whole relationsh swarm plot it is categorical scatter plo stop plot, Joint plot & last one i Rug plot It used to show density wir data points. I also learned about color bands	Week No: 4	Day: Tuesday	Date: 24-6-25
relation between numerical variables, p plot it's a parst - to-whole relationsh swarm plot it is categorical scatter plo stolp plot, Joint plot of last one i Rug plot it used to show density wir data points. I also learned about color bands	it made by scatter plot ction between It shows in dataset,	Box plot + KDE it use to show two variables, relationship between Heatmap plot	iolin plot plot, pair plot een all featur used for
stop plot. Joint plot of last one in Rug plot it used to show density with data points. I also learned about color bands	plot it's a	part - to-whole	relationship
Rug plot it used to show density wire data points. I also learned about color bands	stop plot, Jo	pint plot & 10	ast one is
I also learned about color bands	Rug plot 1+	used to show	density with
the coolwarm, Diverging, cyclic, categor 4 sequential.	ke coolwarr	learned about	colorsbands clic, categori

2025/07/01 20:15



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Week No: 4	Day: Monday	Date: 23-6-35
Data and understand of discover data are riate analy ate analy plots in a plots in a plots in a of, Count Hist plot	EDA Stands for alysis. It's main feature how different part connected. It typesis, Bivariate analysis sis. Her theory part I plot, Histogram past I plot, Histogram past I show plot I show the it's example of the notebook.	studied some plot, kDF plot tudied these



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Internships Daily Diary(2025-26) Department of Computer Engineering

Program Code

Name of the Student

: Rajeshumri Uttam Kumbhar

Name of the Mentor (Faculty): Miss. S.V. Mativade
Name of the Mentor (Industry): Mr. Abbijit P. Gatade
Enrollment Number : 23213500243

			3300.743	
Week	Day & Date	Discussion Topics/Activity	Details of Work Allotted Till Next Session /Corrections Suggested/Faculty Remarks	Signature of Industry Mentor
	Mon, Date 43-6-25 Tue,	* EDA * Types of EDA * Plots * Plots	EDA using matp- lotlib & sea born libraries, Types of visualization in EDA, line, Bar, count et plat Violin, Scatter, pair, heatmap, Pie, sua- Tm, strip, Toint,	
Week 4 Da 25 The Dat 2.6		*task 1 * task 2 on deaning data	cleaning data using different functions &	
	Thu,	* task 3 on EDA	data cleaning usi- ng EDA, Liffer- ent types of plots	
	Fri,	* Data processing in machine lear rning * encoding Types	defination of data Processing fencoding ng, label encoding one Hot, ordinal encodi	