Unit 3.1Graded Assignment

Instructions:

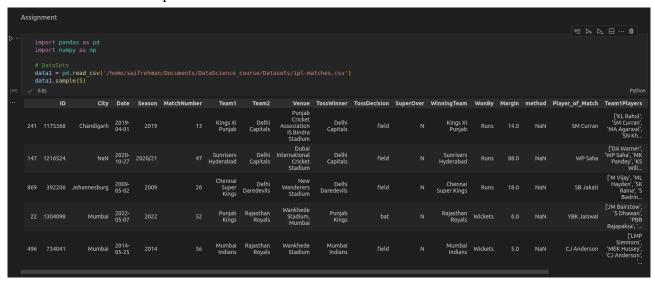
Implement a label encoder for categorical data using pure Python, Pandas and NumPy

Submitted by:

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Solution:

1. First we have import our dataset.



2. We have implemented function in two use cases if the run by default it will labelize all the object based column. In second case we will labialize in the desired column.

▷ ~ [82]		= labele .sample(5		r(data	al)															Python
		ID	City	Date	Season	MatchNumber	Team1	Team2	Venue	TossWinner	TossDecision	SuperOver	WinningTeam	WonBy	Margin	method	Player_of_Match	Team1Players	Team2Players	Umpire1
		1304111													3.0					С
	602	598022		465																41
	536	729309		420											6.0					39
		1304110																		7
		1304051		58											61.0					2
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		City	Date	Season	MatchNumber	Team1	Team2	Venue	TossWinner	TossDecision	SuperOver	WinningTeam	WonBy	Margin	method	Player_of_Match	Team1Players	Te
794	419146		2010- 04-09	2009/10		Kings XI Punjab	Mumbai Indians	Punjab Cricket Association Stadium, Mohali	Mumbai Indians	bat		Kings XI Punjab	Wickets	6.0	NaN	KC Sangakkara	['AB Barath', 'DPMD Jayawardene', 'KC Sangakka	
409	980947		2016- 04-28	2016		Mumbai Indians	Kolkata Knight Riders	Wankhede Stadium	Mumbai Indians	field		Mumbai Indians	Wickets		NaN	RG Sharma	['RG Sharma', 'PA Patel', 'AT Rayudu', 'KH Pan	
921	336009		2008- 05-08	2007/08		Delhi Daredevils	Chennai Super Kings	Feroz Shah Kotla	Chennai Super Kings	field		Chennai Super Kings	Wickets	4.0	NaN	MS Dhoni	['G Gambhir', 'V Sehwag', 'AB de Villiers', 'S	
	1304116		2022- 05-22	2022		Sunrisers Hyderabad	Punjab Kings	Wankhede Stadium, Mumbai	Sunrisers Hyderabad	bat		Punjab Kings	Wickets		NaN	Harpreet Brar	['PK Garg', 'Abhishek Sharma', 'RA Tripathi',	
	981019		2016- 05-29	2016	Final	Royal Challengers Bangalore	Sunrisers Hyderabad	M Chinnaswamy Stadium	Sunrisers Hyderabad	bat		Sunrisers Hyderabad	Runs	8.0	NaN	BCJ Cutting	['CH Gayle', 'V Kohli', 'AB de Villiers', 'KL	