Topics Covered:

Functions:

Lambda Function

Map function

Filter Function

List Comprehension

String Formatting

Python list Iterables vs Iterators

	Categorical Plate: This helps us in doing the analysis
	sympton bara points
	· goxlofe.
	· Violinplat
	· Countplot
	· Boseplat
	Functions in Part in
	Functions in Lython
	# Positional argument and keyworld argument
	def thello (name , age = 29)
	print ("My name is {} and age is {} found (nou
	Here name is positional argument
	as use are not purdefined its value and age = 29 is
	keyword arguniant
*	why we need functions
	many neosons we there? -
	Code Reusabilety, Reodability etc.
	des helln (*anas ** kuranas):
	def hello (*args, ** kwargs):
	punt (mass)
	punt (Kiongs)
	range :- positional argument
	** hoorgs :- keyword argument
	Announced American and Brooking and no nowe
	Anonymous function of A function with no noise
- (def addition (a, b)
	Hetran a+b
	As the a single line operation. How we can use hands

211	addition = lambda a, b : a + b of How we connot write
11	even 1 = loughda a: a/2 == 0 loughda.
A CONTRACTOR OF THE PARTY OF TH	every 1(12)
	Twe souput
	-dad gast to
	Map Function in Python
	def even or odd (num): 12: even or odd (24)
	if num 1,2 == 0: cutput: Even.
	sidery "Even"
	else!
	netwy "Odd"
	Compared to the property of the second
世	For exemple we have to check list: 11,2,3,4,5,6,7,8]
107 THE 25T / 19 YE WILLIAM	we can apply map function
	list (map (even or odd, lat))
	Ist-parameta And
	fund- name reachles.
女	Filter function
CHRISTING CARREST	list (filter (even , let))
12	we will get those nambers which are frue for this
ex	list (fieter (lowbook num: num 1/2=0, 1st))
outpu	r. [2,4,6.8,0]
	The state of the s

	hist comprehension
	It provides a confeise way to create lists. It consist of brackets containing on expression followed by a for
	expulsion can be onything, meaning you can put in all kinds of object in.
	def 1st_square (1st): ex: 1st_square([1,2,3,4,5]
	For i in lst! output: [1,4,9,26,25] 1st1. append (iti) return lst1
#	convert same code in list computancion:
	li*i for i in 1st] I one line of code
43	oftung fournatung in Python def guenny (name): Hello []. Welcome to the community "? fremating placeholder
	det weterne email (nouse, age): your age is fage) found (
	In this cose found con hove parameters in any order as we have already assigned temporary variables
	then should be in order in format parameters
	for ex. Welcome Aniket. your age is 19. Welcome 19. your age is Aniket bit we don't assign and an mispaint.

	Python List Itenables vs Henatoers
	the List is Therable output? I fall values could let: [3,2,3,4,5,6,7] For i in (it: punt(i) f
) (m)	ther (let) The this list is stoud This list is stoud The this list is stoud The perturbation address How memory is not included for element in Tist.
4	1sts = (ter(1st) next inbult function next (1sts) After lost it will give error
	Suppose we have millione of element in list . How it
n	Pytouest - laxy - import of all Python Data Science libraries with the help of this all popular libraries are there when you need them. If you don't use a library it won't be imported when you are done with your script you can export the Python code for the import statement
	of = pd. mod_csv("") It will tun but we heren't imported pandes library
outhu	df. head () ! Lot will be susult: