	MISSION NAME: Working with missing data
	column keepe as essentialism.
	Reading and counting null values in each column:
	import pardas as pd
	muc= pd. read -csv ("nypd-muc-2018.csv")
	null_count = mvcoisnull()sum ()
	1 more in
 	The technical name for filling in a missing value with a
	replacement value is called imputation.
)	Killed-cols = [cal for cal in myc.columns if "killed" in cal]
7	Killed = mvc[Killed-cols].copy()
-	killed - manual - sum = killed iloc (:, :3] . sum(axis=1)
	Killed-mask = Killed manual sum != Killed ["total-killed"]
	killed-non eg = killed [killed-mask]
	& Te and supposed with all paragraph has it &
5	Series mask (bool mask, val to replace)
- h	
349	* Replacing missing values and cleaning suspicious data:-
	injured - mys [[all for sol in man and a man in the man
1 110	injured = mvc [[col for col in mvc. columns if 'injured'in col]].
	injured-manual-sum=injured.iloc[;;3].sum(axis=1)
	injured ["total_injured"] = injured["total_injured"].mask(
	injured ["total_injured"].isnul(),
	injured-manual-sum!
	injured ["total-injured"] = injured ["total-injured"] mask (
	injured ["total-injured"][3
	(all beautiful street - finjured manual sum,
	np.nan)

	PAGE: DATE: / /
*	
	we can calculate the relationship between How sets of columns known as correlation.
	w correlation.
*	Correlation function: Data Frames : corre
#	np. triu (data france / matrix, R)
	Selects
	Selects Makes the upper triangle to and elements below kthe diagonal zero.
	diagonal zero.
7	np. ones-like (dataframe/matrix)
[] .	Makes a matrix of same shape as of dataframe with
1.7	all values 10 10
	at the state of th
*	To avoid removing nows with missing data, we can replace the null values with the values that appears now to
	the null values with the values that appears most commonly
.	C
	for that we can first bring the dataframe into a single
	sack () Method.
Opera 1 M	The same of the sa
	Then on the servier, applier Servies value - counts () method
1.1	to find the most common one.
100	Samuel Charles March March 17 March 12
	La ple - [Perfore and a property of the second of the sec
1	V-cols = [c for c in mvc.columns if c.startswith ("vehicle")]
= 1111	df = mvc[v-cols] df-1d=df.stack()
	top-10-vehicles = 4-1d. value_counts (). head(10)
C. C. L.	(constant
4	

	PAGE: / /
*	Replacing:-
	for vin range (1,6)!
	V_col = "vehide_{ } }", format(v)
8	c-col = "cause-vehicle-{3".format(v)
	5 (7 isoutky), must be self-net-multi
	v_missing-mark= mvc [v_col]. is nothall() & mvc [c_col]. is not not 1). c_missing-mark= mvc [vcol]. nothall() & mvc [c_col]. is not 1).
	mvc[v-col] = mvc[v-col]. mask(v-missing-mask, "Unspecified"), mvc[c-col] = mvc[c-col]. mask(c-missing-mask, "Unspecified"),
	mvc[c_col] = mvc[c_col]. mask (c_cod_mask, "Unspecified")