import pandas as pd import matplotlib.pyplot as plt import numpy as np

data = pd.read\_csv('adult.csv')

data

$\Rightarrow$		age	workclass	fnlwgt	education	education.num	marital.status	occupation	relationship	race	sex	capital.gain	capital.
	0	90	?	77053	HS-grad	9	Widowed	?	Not-in-family	White	Female	0	
	1	82	Private	132870	HS-grad	9	Widowed	Exec- managerial	Not-in-family	White	Female	0	2
	2	66	?	186061	Some- college	10	Widowed	?	Unmarried	Black	Female	0	2
	3	54	Private	140359	7th-8th	4	Divorced	Machine- op-inspct	Unmarried	White	Female	0	1
	4	41	Private	264663	Some- college	10	Separated	Prof- specialty	Own-child	White	Female	0	:
3	32556	22	Private	310152	Some- college	10	Never-married	Protective- serv	Not-in-family	White	Male	0	
3	32557	27	Private	257302	Assoc- acdm	12	Married-civ- spouse	Tech- support	Wife	White	Female	0	
3	32558	40	Private	154374	HS-grad	9	Married-civ- spouse	Machine- op-inspct	Husband	White	Male	0	
3	32559	58	Private	151910	HS-grad	9	Widowed	Adm- clerical	Unmarried	White	Female	0	
3	32560	22	Private	201490	HS-grad	9	Never-married	Adm- clerical	Own-child	White	Male	0	
32	2561 rd	ows ×	15 columns										

Next steps: Generate code with data View recommended plots

data.head(4)

	age	workclass	fnlwgt	education	education.num	marital.status	occupation	relationship	race	sex	capital.gain	capital.loss
0	90	?	77053	HS-grad	9	Widowed	?	Not-in-family	White	Female	0	4356
1	82	Private	132870	HS-grad	9	Widowed	Exec- managerial	Not-in-family	White	Female	0	4356
2	66	?	186061	Some- college	10	Widowed	?	Unmarried	Black	Female	0	4356
3	54	Private	140359	7th-8th	4	Divorced	Machine- op-inspct	Unmarried	White	Female	0	3900

Next steps: Generate code with data View recommended plots

df = pd.DataFrame(data)

	age	workclass	fnlwgt	education	education.num	marital.status	occupation	relationship	race	sex	capital.gain	capital.
0	90	?	77053	HS-grad	9	Widowed	?	Not-in-family	White	Female	0	4
1	82	Private	132870	HS-grad	9	Widowed	Exec- managerial	Not-in-family	White	Female	0	۷
2	66	?	186061	Some- college	10	Widowed	?	Unmarried	Black	Female	0	2
3	54	Private	140359	7th-8th	4	Divorced	Machine- op-inspct	Unmarried	White	Female	0	:
4	41	Private	264663	Some- college	10	Separated	Prof- specialty	Own-child	White	Female	0	:
32556	22	Private	310152	Some- college	10	Never-married	Protective- serv	Not-in-family	White	Male	0	
32557	27	Private	257302	Assoc- acdm	12	Married-civ- spouse	Tech- support	Wife	White	Female	0	
32558	40	Private	154374	HS-grad	9	Married-civ- spouse	Machine- op-inspct	Husband	White	Male	0	
32559	58	Private	151910	HS-grad	9	Widowed	Adm- clerical	Unmarried	White	Female	0	
32560	22	Private	201490	HS-grad	9	Never-married	Adm- clerical	Own-child	White	Male	0	
32561 ro	ws ×	15 columns										

Next steps: Generate code with df View recommended plots

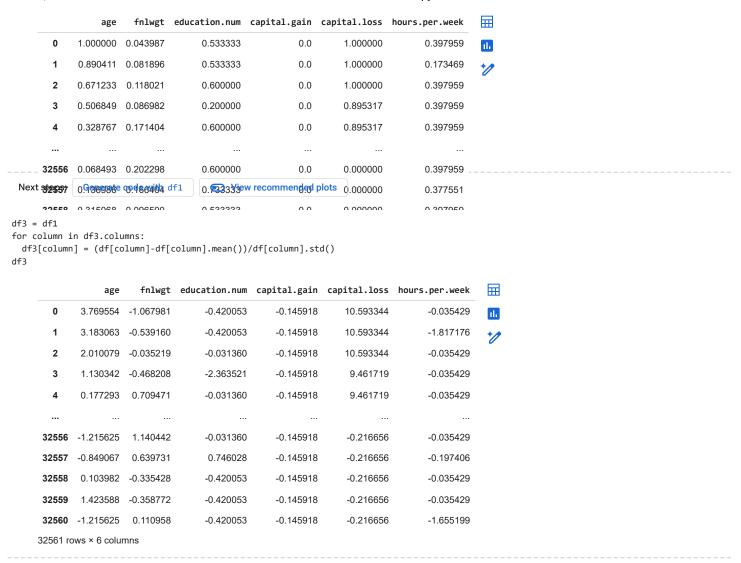
df1 = df[['age','fnlwgt','education.num','capital.gain','capital.loss','hours.per.week']].copy()
df1

	age	fnlwgt	education.num	capital.gain	capital.loss	hours.per.week
0	90	77053	9	0	4356	40
1	82	132870	9	0	4356	18
2	66	186061	10	0	4356	40
3	54	140359	4	0	3900	40
4	41	264663	10	0	3900	40
32556	22	310152	10	0	0	40
32557	27	257302	12	0	0	38
32558	40	154374	9	0	0	40
32559	58	151910	9	0	0	40
32560	22	201490	9	0	0	20

df2 = df1

for column in df2.columns:

df2[column] = (df2[column]-df2[column].min())/(df2[column].max()-df2[column].min())
df2



Start coding or generate with AI.

Generate code with df1

Next steps:

View recommended plots