



DATUM

09-16-2020

. ~~~~~ .

ACTUAL NUMPY FROM DATASET



Let's go!

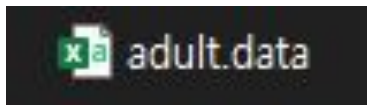


ANSWER THE QUESTIONS USING THE DATASET GIVEN
PLEASE SEND THE CODES TO EURYSOHN@GMAIL.COM
(GROUP WORK NOT INDIVIDUAL WORK)



<https://drive.google.com/file/d/1G8dEuX5Ca6NUWyMNhaXHCQsrSaX7kTUd/view?usp=sharing>

Lmao this link doesn't work so i'll
sure on the group chat



AutoSave adult-data

File Home Insert Page Layout Formulas Data Review View Help

Clipboard Font Alignment Number Styles

Normal Bad Good Neutral Calculation Check Cell

Insert Delete Format AutoSum Fill Sort & Filter Filter Select Clear

Cells Editing Ideas Sensitivity

POSSIBLE DATA LOSS: Some features might be lost if you save this workbook in the comma-separated (.csv) format. To preserve these features, save it in an Excel file format. Don't show again Save As...

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
1	39	State-gov	77516	Bachelors	13	Never-m	Adm-cler	Not-in-fa	White	Male	2174	0	40	United-St	<=50K											
2	50	Self-emp	83311	Bachelors	13	Married-c	Exec-mar	Husband	White	Male	0	0	13	United-St	<=50K											
3	38	Private	215646	HS-grad	9	Divorced	Handlers	Not-in-fa	White	Male	0	0	40	United-St	<=50K											
4	53	Private	234721	11th	7	Married-c	Handlers	Husband	Black	Male	0	0	40	United-St	<=50K											
5	28	Private	338409	Bachelors	13	Married-c	Prof-spec	Wife	Black	Female	0	0	40	Cuba	<=50K											
6	37	Private	284582	Masters	14	Married-c	Exec-mar	Wife	White	Female	0	0	40	United-St	<=50K											
7	49	Private	160187	9th	5	Married-c	Other-ser	Not-in-fa	Black	Female	0	0	16	Jamaica	<=50K											
8	52	Self-emp	209642	HS-grad	9	Married-c	Exec-mar	Husband	White	Male	0	0	45	United-St	>50K											
9	31	Private	45781	Masters	14	Never-ma	Prof-spec	Not-in-fa	White	Female	14884	0	50	United-St	>50K											
10	42	Private	159449	Bachelors	13	Married-c	Exec-mar	Husband	White	Male	5178	0	40	United-St	>50K											
11	37	Private	280464	Some-col	10	Married-c	Exec-mar	Husband	Black	Male	0	0	80	United-St	>50K											
12	30	State-gov	141297	Bachelors	13	Married-c	Prof-spec	Husband	Asian-Pac	Male	0	0	40	India	>50K											
13	23	Private	122272	Bachelors	13	Never-ma	Adm-cler	Own-chil	White	Female	0	0	30	United-St	<=50K											
14	32	Private	205919	Assoc-acc	12	Never-ma	Sales	Not-in-fa	Black	Male	0	0	50	United-St	<=50K											
15	40	Private	121772	Assoc-voc	11	Married-c	Craft-rep	Husband	Asian-Pac	Male	0	0	40	?	>50K											
16	34	Private	245487	7th-8th	4	Married-c	Transport	Husband	Amer-Ind	Male	0	0	45	Mexico	<=50K											
17	25	Self-emp	176756	HS-grad	9	Never-ma	Farming-l	Own-chil	White	Male	0	0	35	United-St	<=50K											
18	32	Private	186824	HS-grad	9	Never-ma	Machine	Unmarrie	White	Male	0	0	40	United-St	<=50K											
19	38	Private	28887	11th	7	Married-c	Sales	Husband	White	Male	0	0	50	United-St	<=50K											
20	43	Self-emp	292175	Masters	14	Divorced	Exec-mar	Unmarrie	White	Female	0	0	45	United-St	>50K											
21	40	Private	193524	Doctorate	16	Married-c	Prof-spec	Husband	White	Male	0	0	60	United-St	>50K											
22	54	Private	302146	HS-grad	9	Separate	Other-ser	Unmarrie	Black	Female	0	0	20	United-St	<=50K											
23	35	Federal-g	76845	9th	5	Married-c	Farming-l	Husband	Black	Male	0	0	40	United-St	<=50K											
24	43	Private	117037	11th	7	Married-c	Transport	Husband	White	Male	0	2042	40	United-St	<=50K											
25	59	Private	109015	HS-grad	9	Divorced	Tech-sup	Unmarrie	White	Female	0	0	40	United-St	<=50K											
26	56	Local-gov	216851	Bachelors	13	Married-c	Tech-sup	Husband	White	Male	0	0	40	United-St	>50K											
27	19	Private	168294	HS-grad	9	Never-ma	Craft-rep	Own-chil	White	Male	0	0	40	United-St	<=50K											
28	54	?	180211	Some-col	10	Married-c	?	Husband	Asian-Pac	Male	0	0	60	South	>50K											
29	39	Private	367260	HS-grad	9	Divorced	Exec-mar	Not-in-fa	White	Male	0	0	80	United-St	<=50K											
30	49	Private	193366	HS-grad	9	Married-c	Craft-rep	Husband	White	Male	0	0	40	United-St	<=50K											
31	23	Local-gov	190709	Assoc-acc	12	Never-ma	Protective	Not-in-fa	White	Male	0	0	52	United-St	<=50K											
32	20	Private	266015	Some-col	10	Never-ma	Sales	Own-chil	Black	Male	0	0	44	United-St	<=50K											
33	45	Private	386940	Bachelors	13	Divorced	Exec-mar	Own-chil	White	Male	0	1408	40	United-St	<=50K											

adult-data

검색하려면 여기에 입력하십시오.

18.42 16/09/2020

THE QUESTIONS

How many men and women are represented in the dataset?

What is the maximum number of hours a person works per week (hours-per-week feature)? How many people work such a number of hours and what is the percentage of those who earn a lot among them?

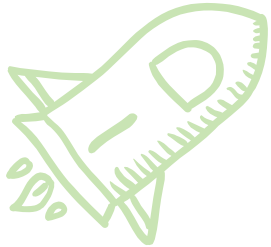
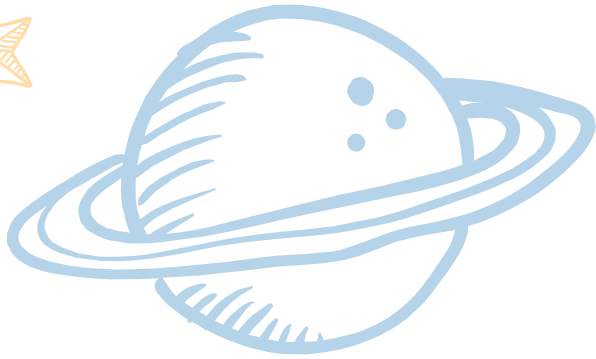
What is the average age of women?

Among whom is the proportion of those who earn a lot ($>50K$) greater: married or single men (marital-status feature)? Consider as married those who have a marital-status starting with Married (Married-civ-spouse, Married-spouse-absent or Married-AF-spouse), the rest are considered bachelors.

6

Count the average time of work (hours-per-week) those who earning a little and a lot (salary) for each country (native-country).

What are the mean and standard deviation of age for those who earn more than 50K per year and those who learn less than 50K for year?



PROJECT PITCH!

Next week, each group will pitch their own project ideas. Please prepare your ideas and what you need to fulfill your goals

YOUR PROJECT PITCH!

What it should include

- Where you will get the dataset (for data science)
- What kind of mechanic (for programming)
- What is your goal
- How you will split the parts
- Each step in the process

What it shouldn't include

- “We’ll use AI to make it work”
- “We’ll use big data to make it work”
- “We’ll use machine learning to make it work”
- We’ll just copy X from github”

동준's BOOTCAMP

If you feel like your Python is rusty or having difficulties with the activities in the Academia, please fill out the form to attend extra sessions to help with Python!

<https://forms.gle/hptJiRmaMteniNAKA>

동준's Bootcamp

If you feel like you need additional help with Python, please sign up with the sheet below :)
The sessions will be held by voting in everyone's available times!

Name

Your answer

Group

- ☐ programming
- ☐ data science

What do you feel like you have difficulties with?

Your answer