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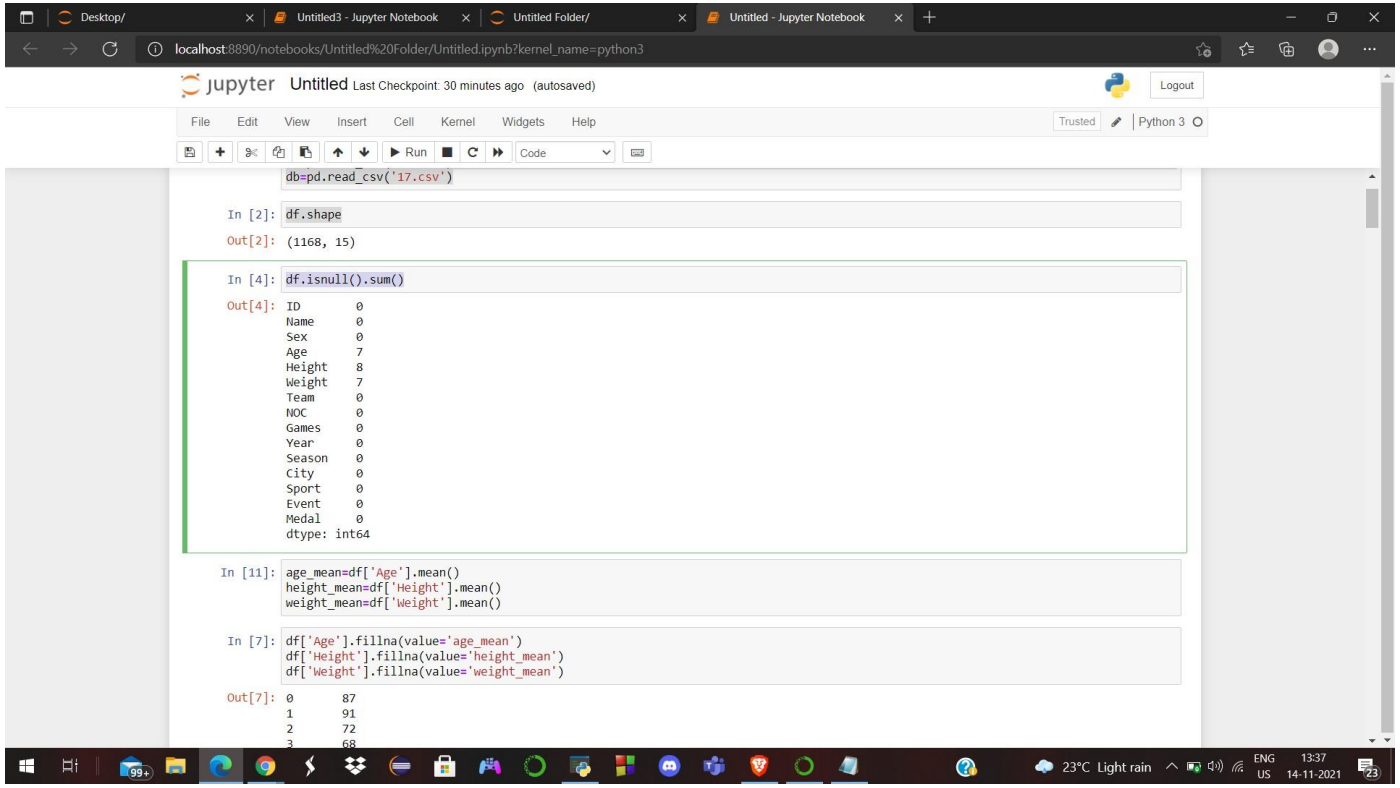
SRN:PES1UG20CS076
CLASS: B SECTION

GIVEN DATA SET: 14.CSV

INTRO

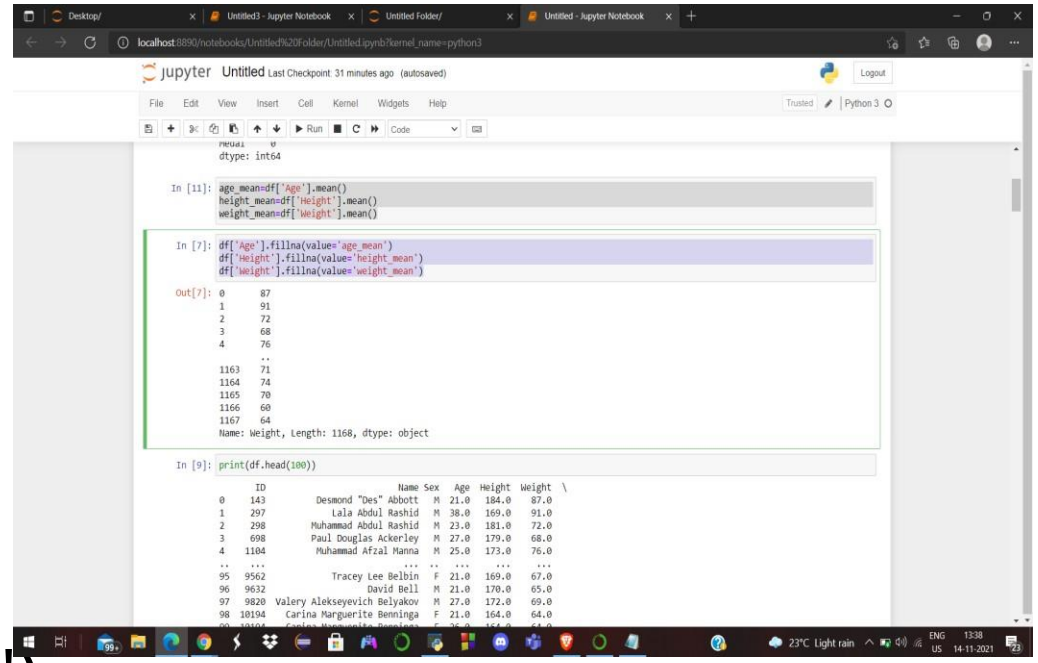
- import pandas as pd
- df=pd.read_csv('14.csv')
- da=pd.read_csv('14.csv')
- db=pd.read_csv('14.csv')
- df.isnull().sum()



TO FIND THE MEAN

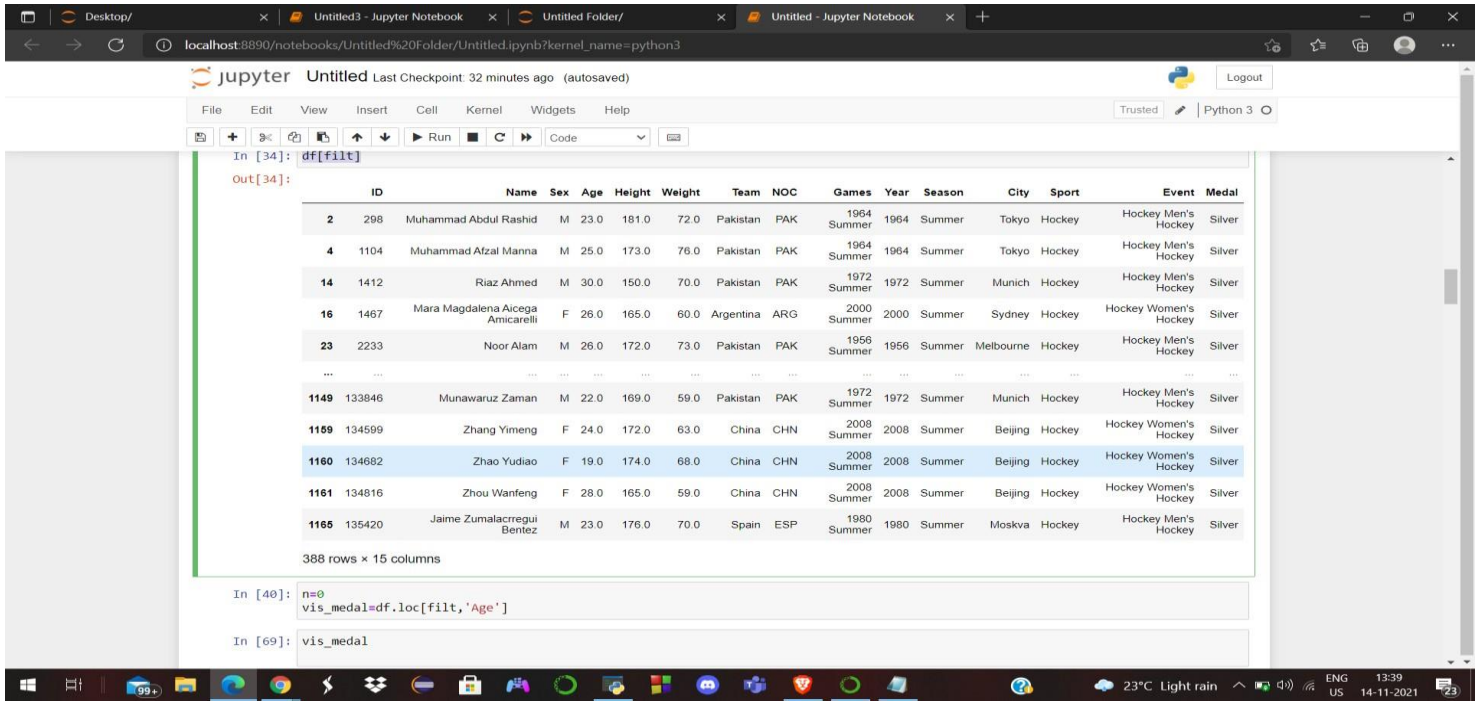
- age_mean=df['Age'].mean()
- height_mean=df['Height'].mean()
- weight_mean=df['Weight'].mean()

- df['Age'].fillna(value='age_mean')
- df['Height'].fillna(value='height_mean')
- df['Weight'].fillna(value='weight_mean')



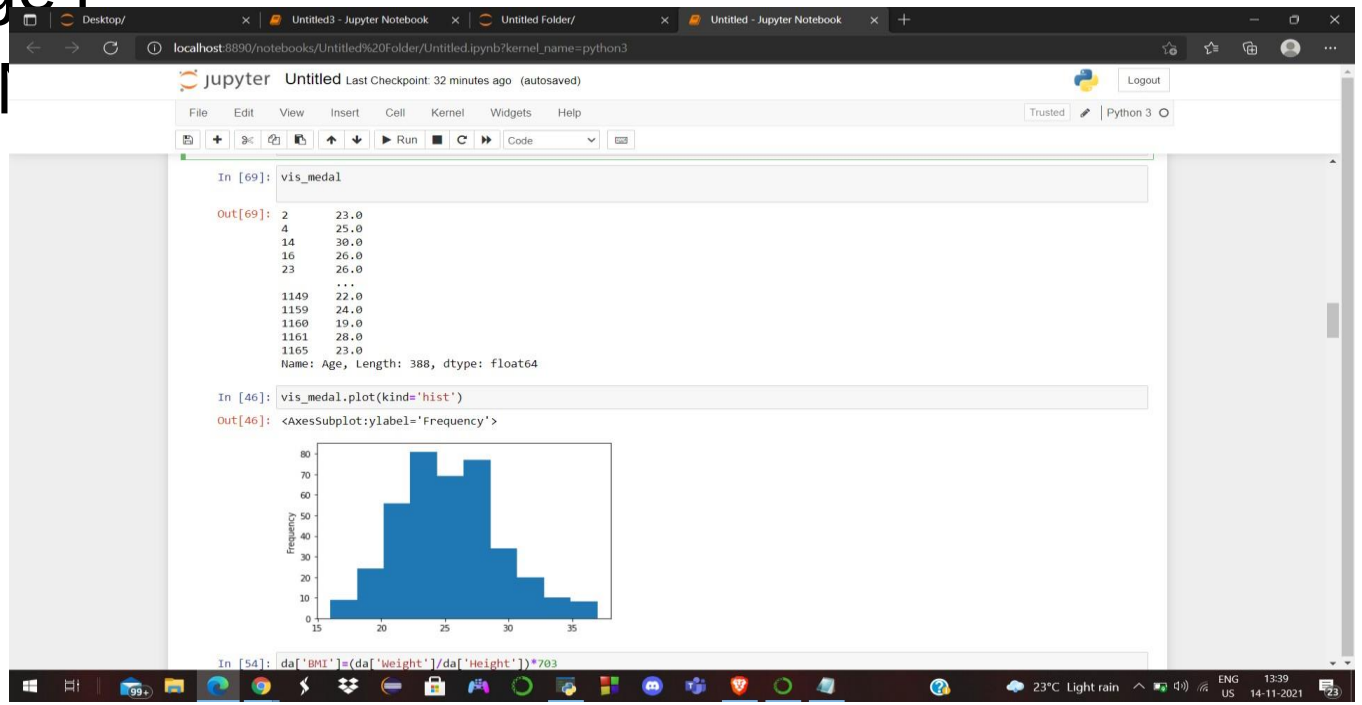
TO FILTER OUR THE SILVER MEDALS

- print(df['Age'].isnull().tail(1000))
- filt=(df['Medal']=='Silver')
- df[filt]



CONTINUED...

- n=0
- vis_medal=df.loc[filt,'Age']
- DATA VISULALIZATIO
:



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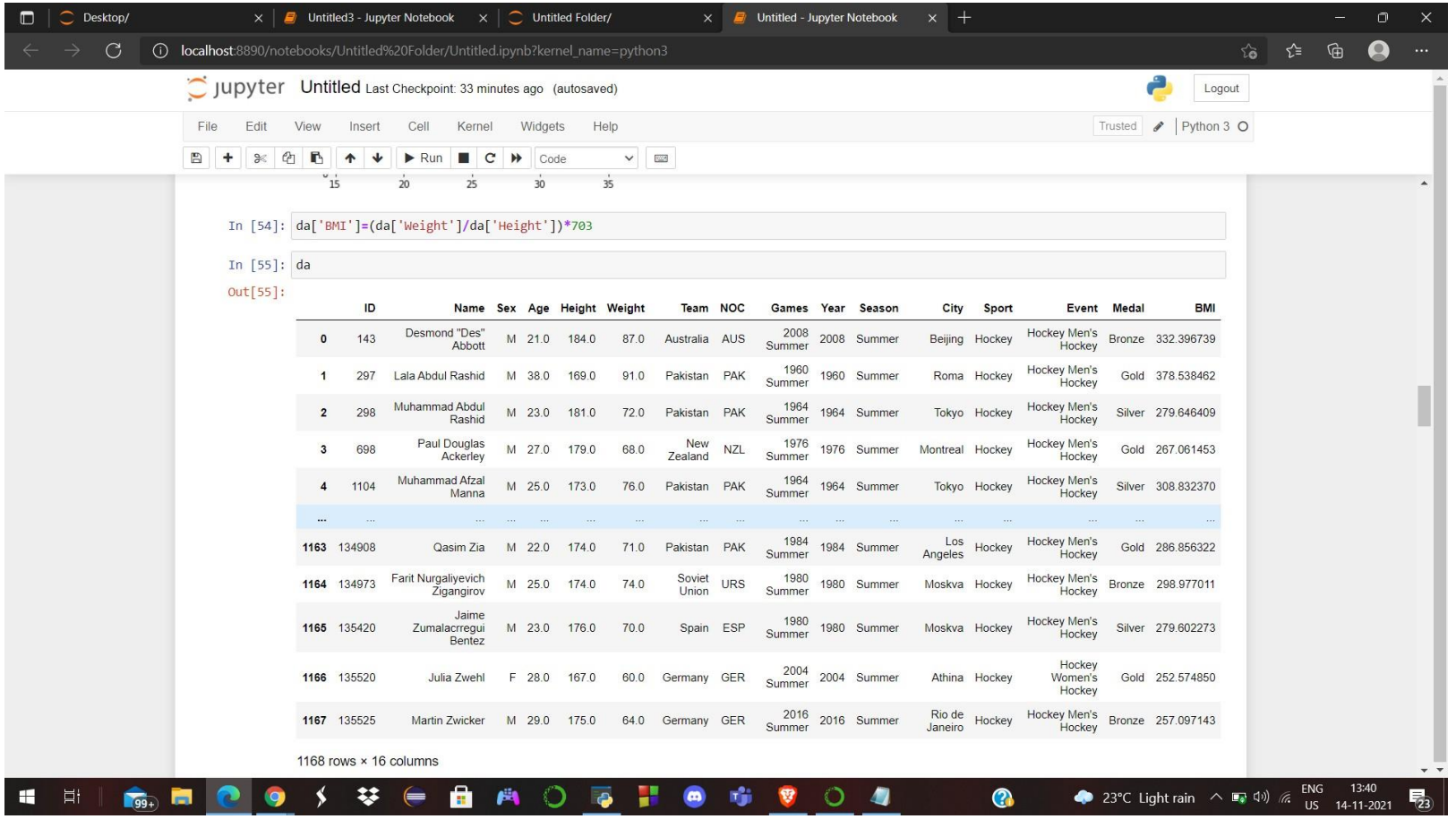
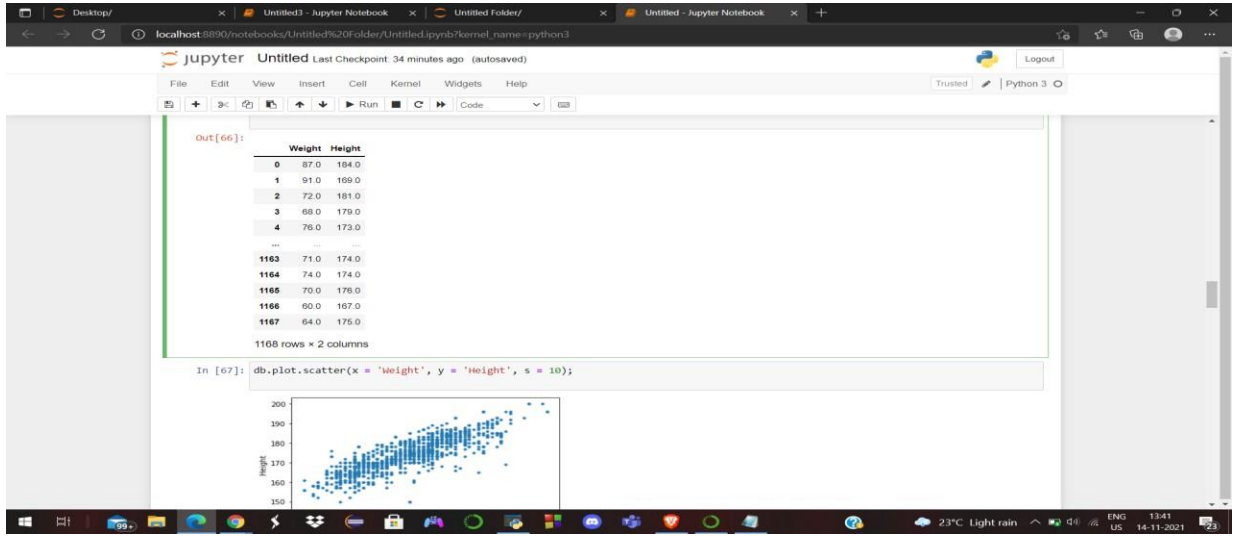


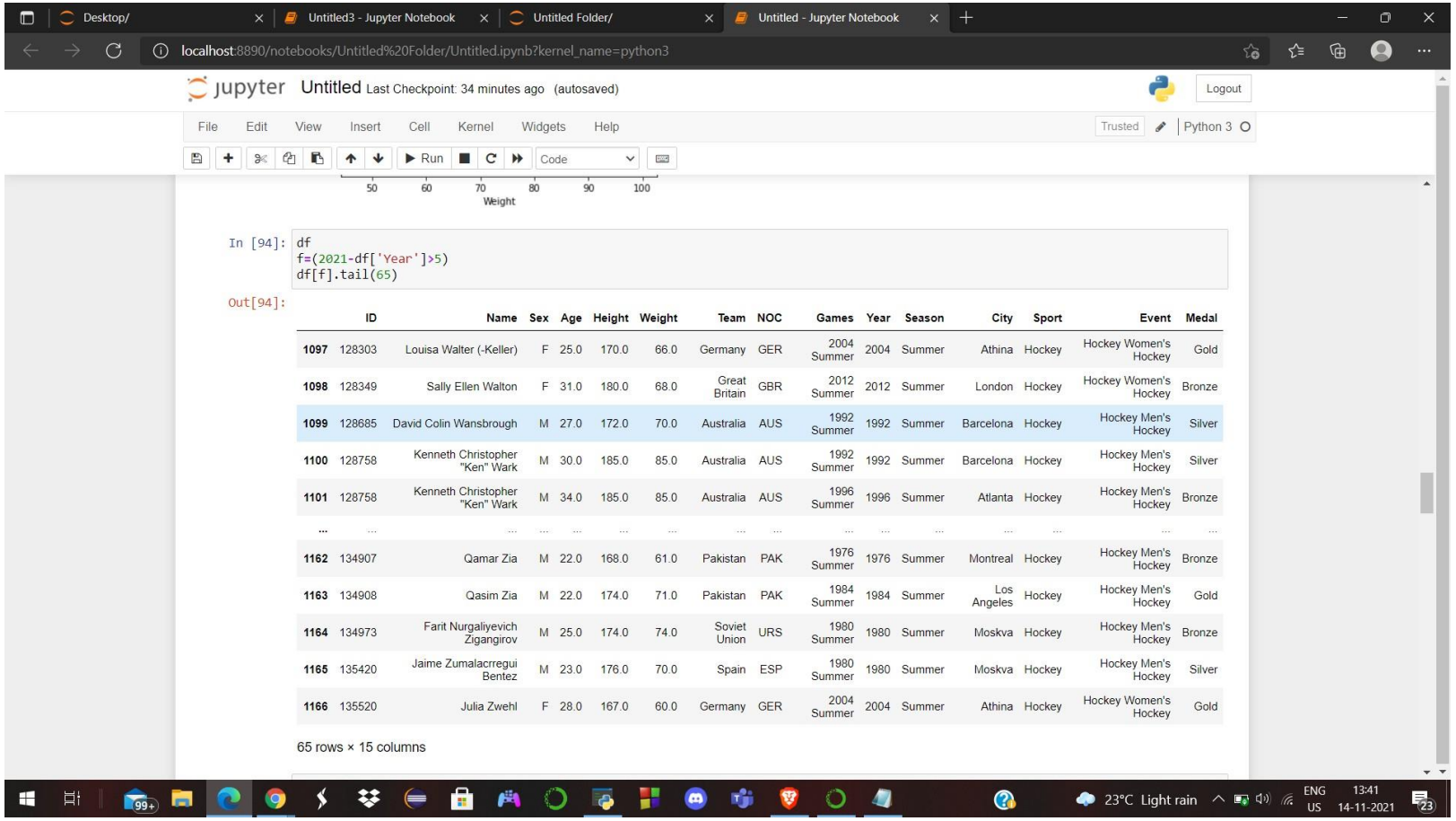
	ID	Name	Sex	Age	Height	Weight	Team	NOC	Games	Year	Season	City	Sport	Event	Medal	BMI
0	143	Desmond "Des" Abbott	M	21.0	184.0	87.0	Australia	AUS	2008 Summer	2008	Summer	Beijing	Hockey	Hockey Men's Hockey	Bronze	332.396739
1	297	Lala Abdul Rashid	M	38.0	169.0	91.0	Pakistan	PAK	1960 Summer	1960	Summer	Roma	Hockey	Hockey Men's Hockey	Gold	378.538462
2	298	Muhammad Abdul Rashid	M	23.0	181.0	72.0	Pakistan	PAK	1964 Summer	1964	Summer	Tokyo	Hockey	Hockey Men's Hockey	Silver	279.646409
3	698	Paul Douglas Ackerley	M	27.0	179.0	68.0	New Zealand	NZL	1976 Summer	1976	Summer	Montreal	Hockey	Hockey Men's Hockey	Gold	267.061453
4	1104	Muhammad Afzal Manna	M	25.0	173.0	76.0	Pakistan	PAK	1964 Summer	1964	Summer	Tokyo	Hockey	Hockey Men's Hockey	Silver	308.832370
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1163	134908	Qasim Zia	M	22.0	174.0	71.0	Pakistan	PAK	1984 Summer	1984	Summer	Los Angeles	Hockey	Hockey Men's Hockey	Gold	286.856322
1164	134973	Farit Nurgaliyevich Zigangirov	M	25.0	174.0	74.0	Soviet Union	URS	1980 Summer	1980	Summer	Moskva	Hockey	Hockey Men's Hockey	Bronze	298.977011
1165	135420	Jaime Zumalacrregui Bentez	M	23.0	176.0	70.0	Spain	ESP	1980 Summer	1980	Summer	Moskva	Hockey	Hockey Men's Hockey	Silver	279.602273
1166	135520	Julia Zwehl	F	28.0	167.0	60.0	Germany	GER	2004 Summer	2004	Summer	Athina	Hockey	Hockey Women's Hockey	Gold	252.574850
1167	135525	Martin Zwicker	M	29.0	175.0	64.0	Germany	GER	2016 Summer	2016	Summer	Rio de Janeiro	Hockey	Hockey Men's Hockey	Bronze	257.097143

TO FILTER OUT THE WEIGHT AND HEIGHT

- db[['Weight','Height']]



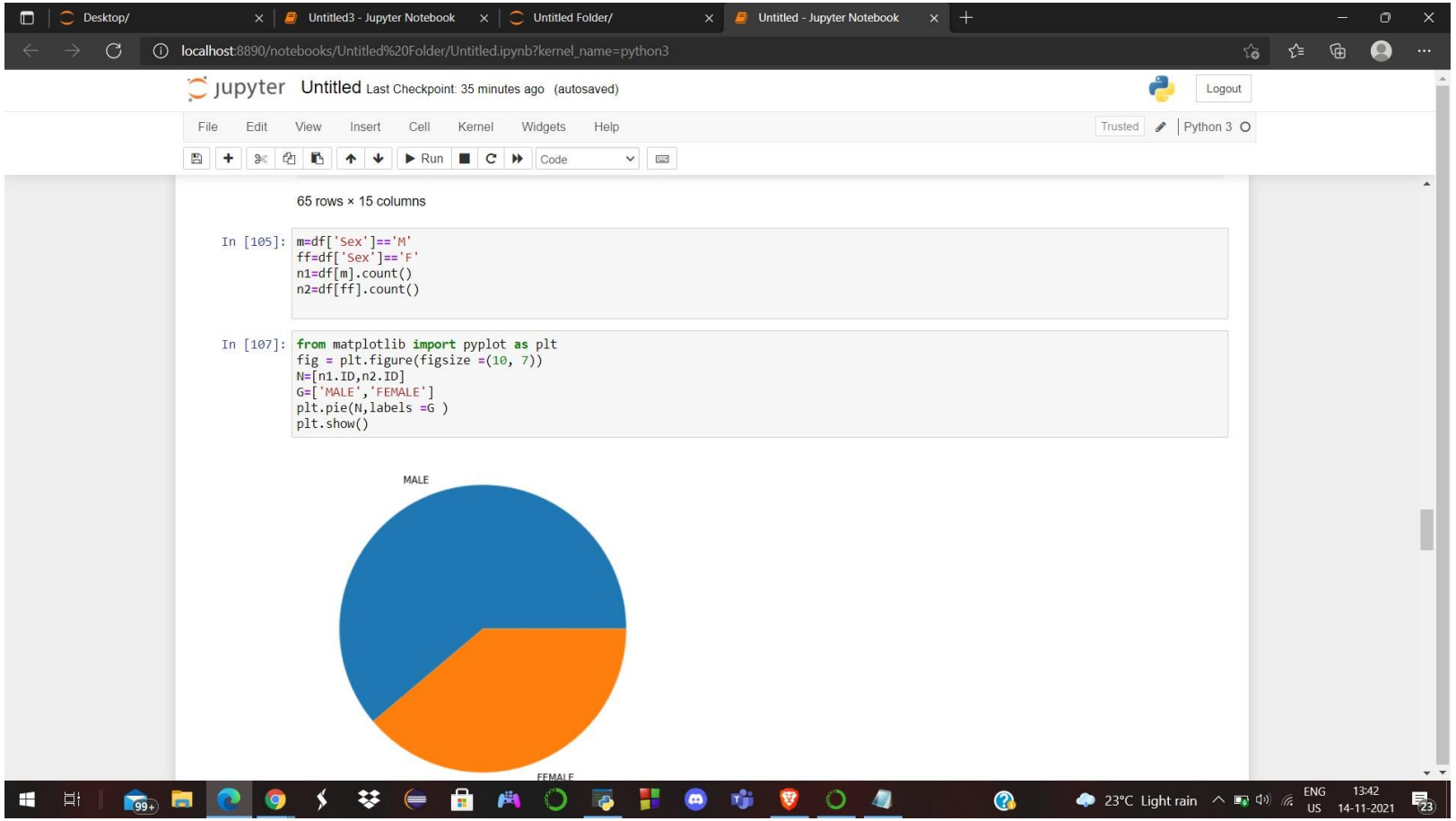
TO GET YEAR BELOW 2016



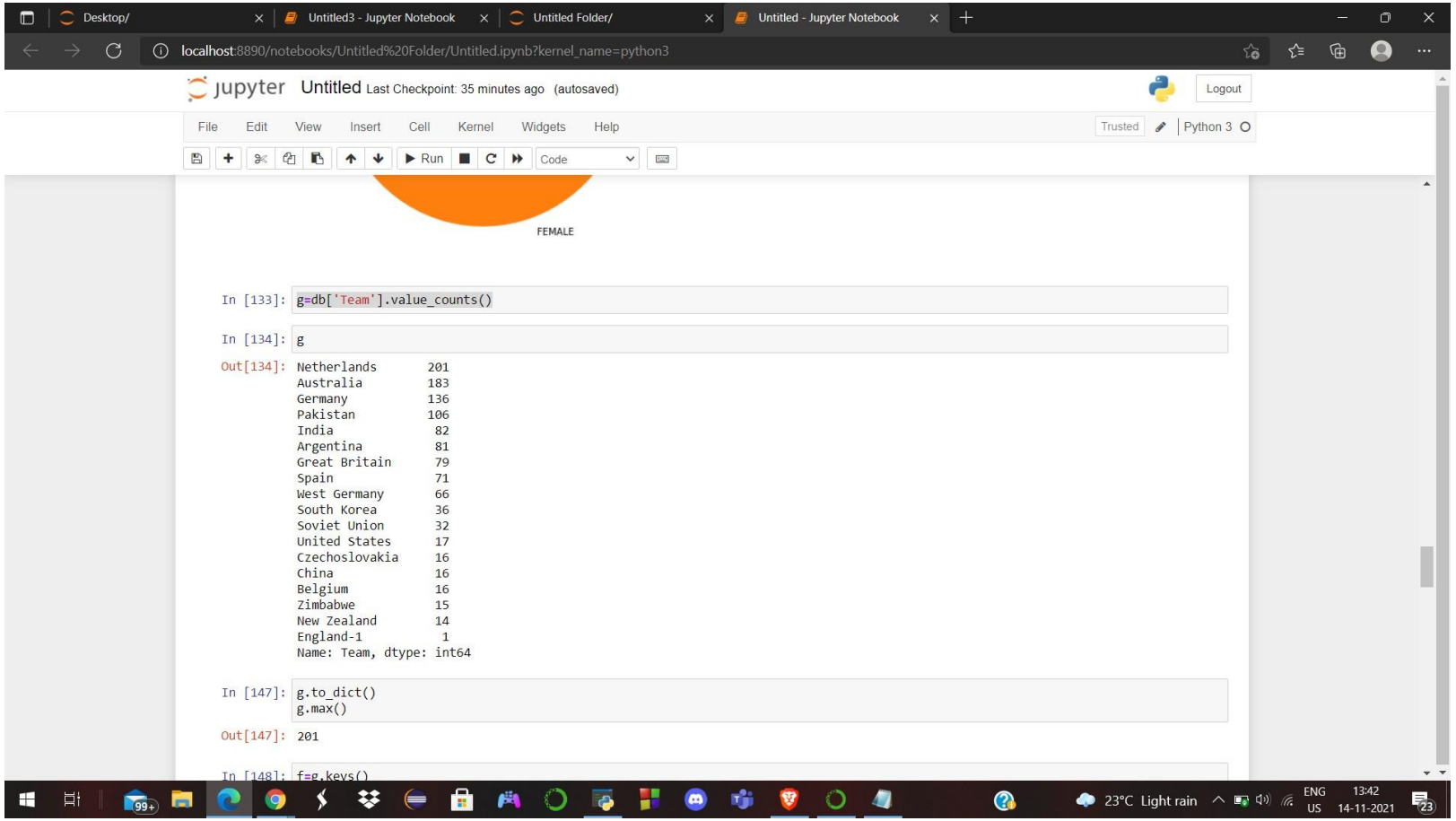
	ID	Name	Sex	Age	Height	Weight	Team	NOC	Games	Year	Season	City	Sport	Event	Medal
1097	128303	Louisa Walter (-Keller)	F	25.0	170.0	66.0	Germany	GER	2004 Summer	2004	Summer	Athina	Hockey	Hockey Women's Hockey	Gold
1098	128349	Sally Ellen Walton	F	31.0	180.0	68.0	Great Britain	GBR	2012 Summer	2012	Summer	London	Hockey	Hockey Women's Hockey	Bronze
1099	128685	David Colin Wansbrough	M	27.0	172.0	70.0	Australia	AUS	1992 Summer	1992	Summer	Barcelona	Hockey	Hockey Men's Hockey	Silver
1100	128758	Kenneth Christopher "Ken" Wark	M	30.0	185.0	85.0	Australia	AUS	1992 Summer	1992	Summer	Barcelona	Hockey	Hockey Men's Hockey	Silver
1101	128758	Kenneth Christopher "Ken" Wark	M	34.0	185.0	85.0	Australia	AUS	1996 Summer	1996	Summer	Atlanta	Hockey	Hockey Men's Hockey	Bronze
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1162	134907	Qamar Zia	M	22.0	168.0	61.0	Pakistan	PAK	1976 Summer	1976	Summer	Montreal	Hockey	Hockey Men's Hockey	Bronze
1163	134908	Qasim Zia	M	22.0	174.0	71.0	Pakistan	PAK	1984 Summer	1984	Summer	Los Angeles	Hockey	Hockey Men's Hockey	Gold
1164	134973	Farit Nurgaliyevich Zigangirov	M	25.0	174.0	74.0	Soviet Union	URS	1980 Summer	1980	Summer	Moskva	Hockey	Hockey Men's Hockey	Bronze
1165	135420	Jaime Zumalacrregui Bentez	M	23.0	176.0	70.0	Spain	ESP	1980 Summer	1980	Summer	Moskva	Hockey	Hockey Men's Hockey	Silver
1166	135520	Julia Zwehl	F	28.0	167.0	60.0	Germany	GER	2004 Summer	2004	Summer	Athina	Hockey	Hockey Women's Hockey	Gold

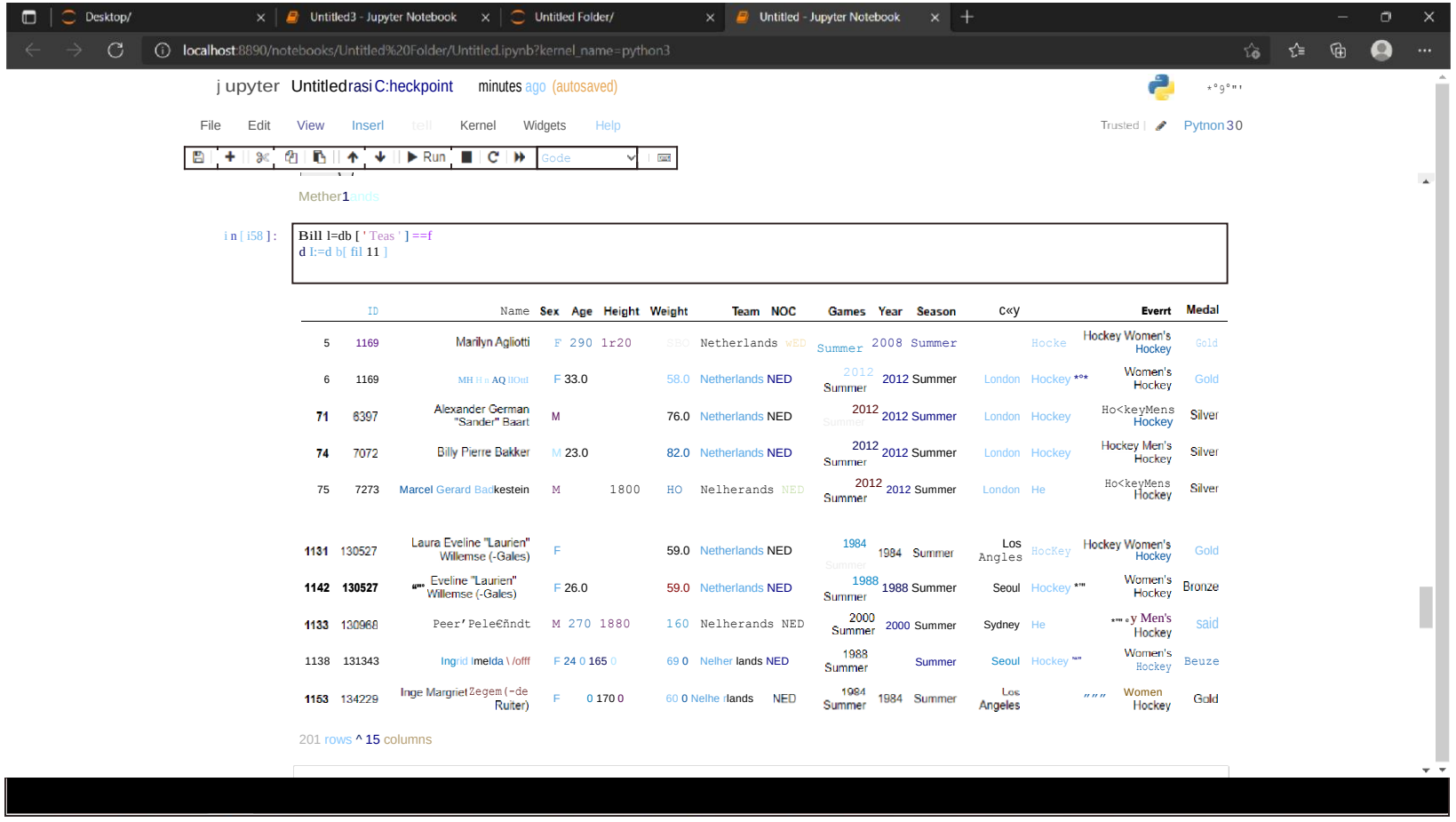
65 rows × 15 columns

DATA VISULASITION



FREQUENSY OF THE TOTAL MEDAL

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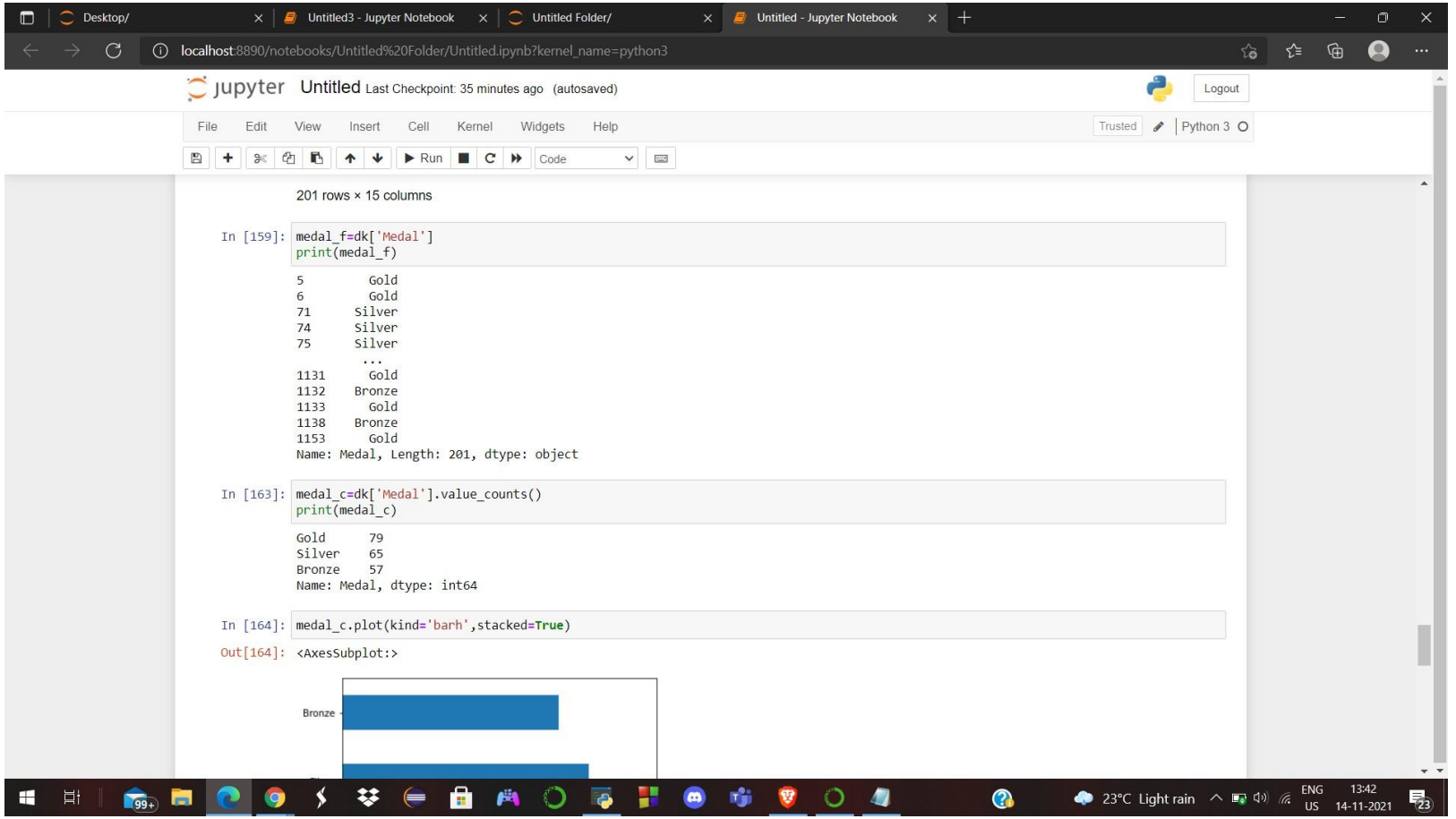
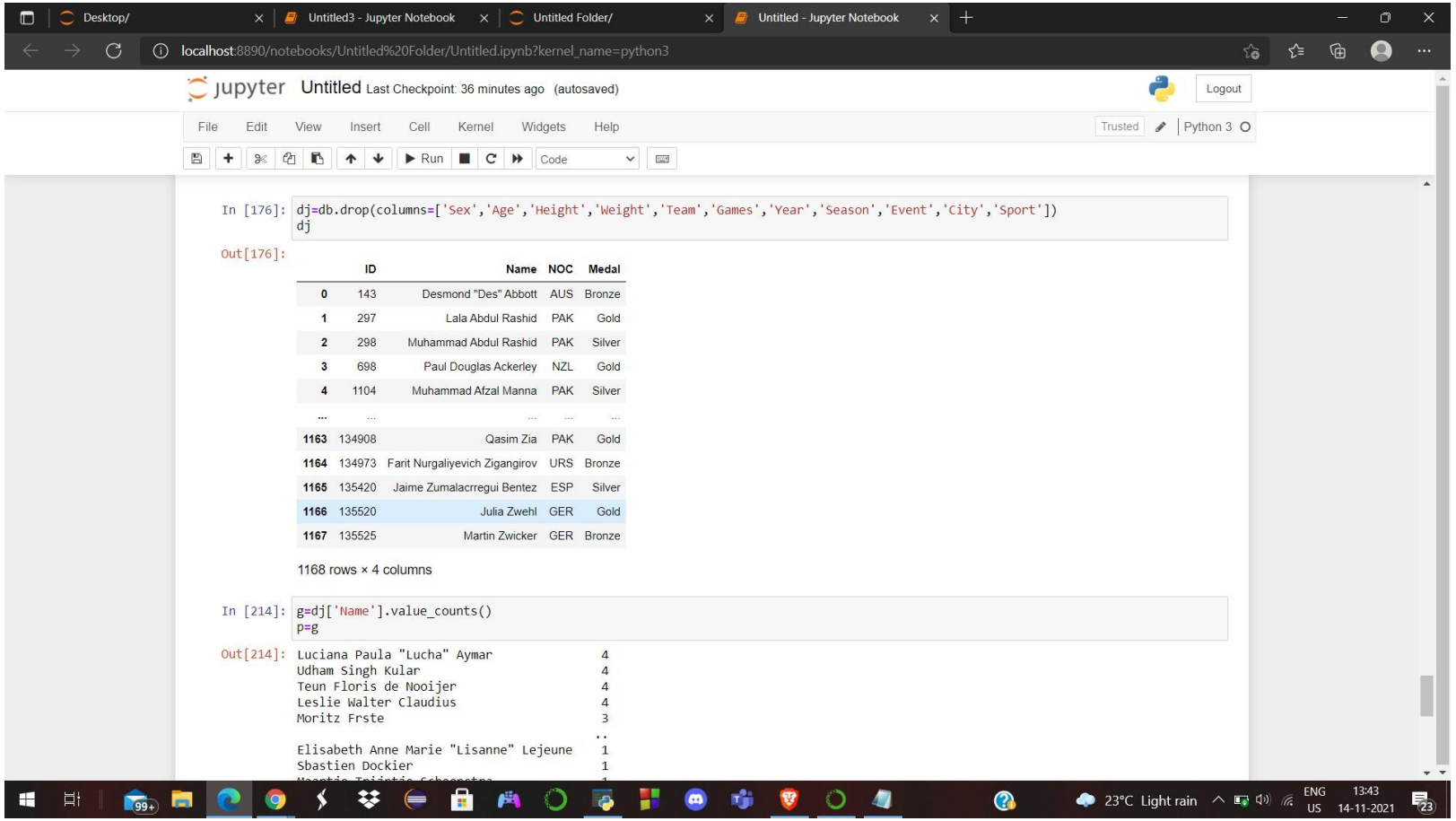
Run
Code
Mether1ands
i n [i58] :
Bill l=db [' Teas '] ==f
d l:=d b[fil 11]
ID Name Sex Age Height Weight Team NOC Games Year Season C«y Everrt Medal
5 1169 Marilyn Agliotti F 290 1r20 Netherlands Summer 2008 Summer Hocke Hockey Women's Hockey Gold
6 1169 F 33.0 58.0 Netherlands NED 2012 Summer 2012 Summer London Hockey Women's Hockey Gold
71 6397 Alexander German "Sander" Baart M 76.0 Netherlands NED 2012 2012 Summer London Hockey Ho<keyMens Hockey Silver
74 7072 Billy Pierre Bakker M 23.0 82.0 Netherlands NED 2012 Summer 2012 Summer London Hockey Hockey Men's Hockey Silver
75 7273 Marcel Gerard Badkestein M 1800 HO Nelherands NED 2012 Summer 2012 Summer London He Ho<keyMens Hockey Silver
1131 130527 Laura Eveline "Laurien" Willemse (-Gales) F 59.0 Netherlands NED 1984 1984 Summer Los Angles HocKey Hockey Women's Hockey Gold
1142 130527 Eveline "Laurien" Willemse (-Gales) F 26.0 59.0 Netherlands NED 1988 Summer 1988 Summer Seoul Hockey Women's Hockey Bronze
1133 130968 Peer' Pele€ñndt M 270 1880 160 Nelherands NED 2000 Summer 2000 Summer Sydney He y Men's Hockey said
1138 131343 Ingrid Imelda \ /offf F 24 0 165 0 69 0 Nelher lands NED 1988 Summer Summer Seoul Hockey Women's Hockey Beuze
1153 134229 Inge Margriet Zegem (-de Ruiter) F 0 170 0 60 0 Nelhe rlands NED 1984 Summer 1984 Summer Los Angeles Women Hockey Gold
201 rows ^ 15 columns

GRAPH TO SHOW THE MEDAL FREQUECY OF THE HIGHEST MEDAL COUNTRY



TO CREATE NEW CSV FILE



THE FREQUESY OF THE PLAYER ACCORDING THE GOT MEDALS