Out[4]: 0 Mars 18-24 1.0 1 2.0 Galaxy 18-24 2 Dairy Milk 18-24 3.0 3 Snickers 18-24 4.0 4 Twix 18-24 5.0 5 Wispa 18-24 6.0 6 KitKat 18-24 7.0 7 Double Decker 18-24 8.0 8 Twirl 18-24 9.0 9 Crunchie 18-24 10.0 10 Boost 18-24 NaN 11 Bounty 18-24 NaN 12 Picnic 18-24 NaN 13 Mars 35-44 1.0 14 Galaxy 35-44 2.0 15 Snickers 35-44 3.0 Dairy Milk 16 35-44 4.0 17 Twix 35-44 5.0 18 Wispa 35-44 6.0 19 Double Decker 35-44 7.0 20 Boost 35-44 8.0 21 Twirl 9.0 35-44 22 KitKat 35-44 10.0 23 Bounty 35-44 NaN 24 Crunchie 35-44 NaN 25 Picnic 35-44 NaN 26 Mars 65+ 1.0 27 Galaxy 2.0 65+ 28 Snickers 65+ 3.0 29 Twix 4.0 65+ 30 KitKat 65+ 5.0 31 Crunchie 65+ 6.0 32 Bounty 65+ 7.0 33 Picnic 8.0 65+ 34 Twirl 9.0 35 Dairy Milk 65+ 10.0 36 **Boost** 65+ NaN 37 Double Decker 65+ NaN 38 Wispa 65+ NaN In [5]: df=pd.DataFrame(data) In [6]: print(data) Brand Age Group Rank Mars 18-24 1.0 18-24 2.0 1 Galaxy Dairy Milk 18-24 2 3.0 Snickers 18-24 4.0 Twix 18-24 5.0 5 Wispa 18-24 6.0 6 KitKat 18-24 7.0 Double Decker 18-24 8.0 8 Twirl 18-24 9.0 9 Crunchie 18-24 10.0 10 Boost 18-24 NaN 11 Bounty 18-24 NaN 12 Picnic 18-24 NaN 13 Mars 35-44 1.0 35-44 14 Galaxy 2.0 15 Snickers 35-44 3.0 16 Dairy Milk 35-44 4.0 17 Twix 35-44 5.0 18 35-44 Wispa 6.0 19 Double Decker 35-44 7.0 20 Boost 35-44 8.0 21 Twirl 35-44 9.0 22 KitKat 35-44 10.0 Bounty 23 35-44 NaN Crunchie 24 35-44 NaN 25 Picnic 35-44 NaN 26 65+ Mars 1.0 27 Galaxy 65+ 2.0 28 Snickers 65+ 3.0 29 Twix 65+ 4.0 30 KitKat 65+ 5.0 31 Crunchie 65+ 6.0 32 Bounty 65+ 7.0 33 Picnic 65+ 8.0 34 Twirl 65+ 9.0 35 Dairy Milk 65+ 10.0 Boost 65+ NaN 37 Double Decker 65+ NaN 38 Wispa 65+ NaN In [7]: sns.pairplot(data) Out[7]: <seaborn.axisgrid.PairGrid at 0x7f6817f4c690> 1.0 0.8 9.6 8 0.4 0.2 2.5 5.0 7.5 10.0 Rank In [9]: plt.hist('data', bins=25) 0., 0., 0., 0., 0., 0., 0., 0.]), array([-0.5 , -0.46, -0.42, -0.38, -0.34, -0.3 , -0.26, -0.22, -0.18,  $-0.14, \ -0.1 \ , \ -0.06, \ -0.02, \ 0.02, \ 0.06, \ 0.1 \ , \ 0.14, \ 0.18,$ 0.22, 0.26, 0.3, 0.34, 0.38, 0.42, 0.46, 0.5]), <a list of 25 Patch objects>) 1.0 0.8 0.6 0.4 0.2 0.0 In [10]: plt.hist('df.Age Group', bins=25) array([-0.5 , -0.46, -0.42, -0.38, -0.34, -0.3 , -0.26, -0.22, -0.18,  $-0.14, -0.1 \; , \; -0.06, \; -0.02, \; \; 0.02, \; \; 0.06, \; \; 0.1 \; , \; \; 0.14, \; \; 0.18,$ 0.22, 0.26, 0.3, 0.34, 0.38, 0.42, 0.46, 0.5]), <a list of 25 Patch objects>) 1.0 0.8 0.6 0.4 0.2 0.0 df.Age Group In [14]: fig, ax=plt.subplots() ax.scatter(df['Brand'],df['Age Group'],df['Rank']) plt.show() 35-44 MarsGalsDegiry ShilkkerswixWispatOtoKattle DeTokidTrunchBoosBountRicnic In [ ]:

In [1]:

In [2]:

In [3]:

In [4]:

data

pip install openpyxl

import pandas as pd import seaborn as sns

import matplotlib.pyplot as plt

Brand Age Group Rank

data=pd.read\_excel("Top 10 Chocolate Bars.xlsx")

Requirement already satisfied: openpyxl in /srv/conda/envs/notebook/lib/python3.7/site-packages (3.0.7)

Note: you may need to restart the kernel to use updated packages.

Requirement already satisfied: et-xmlfile in /srv/conda/envs/notebook/lib/python3.7/site-packages (from openpyxl) (1.1.0)