

import libraries

```
import pandas as pd
import numpy as np
import matplotlib.pyplot as plt
import plotly.offline as py
from plotly import tools
py.init_notebook_mode(connected=True)
import urllib,sys,os as go
import seaborn as sns
%matplotlib inline
```

import datasets

```
comp = pd.read_csv("H:\Level 4 Information Systems\Plastikat\Plastikat Data\New data CSV\companies-data.csv")
dele = pd.read_csv("H:\Level 4 Information Systems\Plastikat\Plastikat Data\New data CSV\delegates-data.csv")
off = pd.read_csv("H:\Level 4 Information Systems\Plastikat\Plastikat Data\New data CSV\offers-data.csv")
comp.head()
```

```

comp.shape
#taking an overview of data
comp.sample(10)
#let's check if there are any missing values in our dataset
comp.isnull().sum()
#check if there is duplication in the data
print(comp.duplicated().sum())
#let's take a more analytical look at our dataset
comp.describe()

0

```

	number of delegates	number of offers	plastic quantity
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Data Preprocessing

```
dimensions of the data
comp.shape
#taking an overview of data
comp.sample(10)
#check if there are any missing values in our dataset
comp.isnull().sum()
#check if their is duplication in the data
print(comp.duplicated().sum())
#let's take a more analytical look at our dataset
comp.describe()
```

	number of delegates	number of offers	plastic_quantity
count	400.000000	400.000000	400.000000
mean	10.400000	14.995000	83.772500
std	5.870563	14.012525	60.128842
min	1.000000	0.000000	0.000000
25%	5.000000	0.000000	0.000000
50%	11.000000	14.000000	81.500000
75%	15.250000	23.000000	127.000000
max	20.000000	61.000000	360.000000

insights from company table

```
extract the number of delegates for each governorate
North_Sinai_Delegates = sum(comp.loc[comp['governorate'] == 'North Sinai','number_of_delegates'])
Cairo_Delegates = sum(comp.loc[comp['governorate'] == 'Cairo','number_of_delegates'])
Beni_Suef_Delegates = sum(comp.loc[comp['governorate'] == 'Beni Suef','number_of_delegates'])
Alexandria_Delegates = sum(comp.loc[comp['governorate'] == 'Alexandria','number_of_delegates'])
Minya_Delegates = sum(comp.loc[comp['governorate'] == 'Minya','number_of_delegates'])
Sharqia_Delegates = sum(comp.loc[comp['governorate'] == 'Sharqia','number_of_delegates'])
Ismailia_Delegates = sum(comp.loc[comp['governorate'] == 'Ismailia','number_of_delegates'])
Qena_Delegates = sum(comp.loc[comp['governorate'] == 'Qena','number_of_delegates'])
Gharbia_Delegates = sum(comp.loc[comp['governorate'] == 'Gharbia','number_of_delegates'])
Qalyubia_Delegates = sum(comp.loc[comp['governorate'] == 'Qalyubia','number_of_delegates'])
Giza_Delegates = sum(comp.loc[comp['governorate'] == 'Giza','number_of_delegates'])
Port_Said_Delegates = sum(comp.loc[comp['governorate'] == 'Port Said','number_of_delegates'])
Red_Sea_Delegates = sum(comp.loc[comp['governorate'] == 'Red Sea','number_of_delegates'])
Behira_Delegates = sum(comp.loc[comp['governorate'] == 'Behira','number_of_delegates'])
Asyut_Delegates = sum(comp.loc[comp['governorate'] == 'Asyut','number_of_delegates'])
Faiyum_Delegates = sum(comp.loc[comp['governorate'] == 'Faiyum','number_of_delegates'])
Luxor_Delegates = sum(comp.loc[comp['governorate'] == 'Luxor','number_of_delegates'])
Aswan_Delegates = sum(comp.loc[comp['governorate'] == 'Aswan','number_of_delegates'])
Damiatta_Delegates = sum(comp.loc[comp['governorate'] == 'Damiatta','number_of_delegates'])
Matruh_Delegates = sum(comp.loc[comp['governorate'] == 'Matruh','number_of_delegates'])
Kafr_El_Sheikh_Delegates = sum(comp.loc[comp['governorate'] == 'Kafr El Sheikh','number_of_delegates'])
South_Sinai_Delegates = sum(comp.loc[comp['governorate'] == 'South Sinai','number_of_delegates'])
Monufia_Delegates = sum(comp.loc[comp['governorate'] == 'Monufia','number_of_delegates'])
Suez_Delegates = sum(comp.loc[comp['governorate'] == 'Suez','number_of_delegates'])
Dakahlia_Delegates = sum(comp.loc[comp['governorate'] == 'Dakahlia','number_of_delegates'])

extract the number of offers for each governorate
Cairo_offers = sum(comp.loc[comp['governorate'] == 'North Sinai','number_of_offers'])
Alexandria_offers = sum(comp.loc[comp['governorate'] == 'Cairo','number_of_offers'])
Alexandria_offers = sum(comp.loc[comp['governorate'] == 'Alexandria','number_of_offers'])
Minya_offers = sum(comp.loc[comp['governorate'] == 'Minya','number_of_offers'])
Sharqia_offers = sum(comp.loc[comp['governorate'] == 'Sharqia','number_of_offers'])
Ismailia_offers = sum(comp.loc[comp['governorate'] == 'Ismailia','number_of_offers'])
Qena_offers = sum(comp.loc[comp['governorate'] == 'Qena','number_of_offers'])
Gharbia_offers = sum(comp.loc[comp['governorate'] == 'Gharbia','number_of_offers'])
Qalyubia_offers = sum(comp.loc[comp['governorate'] == 'Qalyubia','number_of_offers'])
Giza_offers = sum(comp.loc[comp['governorate'] == 'Giza','number_of_offers'])
Port_Said_offers = sum(comp.loc[comp['governorate'] == 'Port Said','number_of_offers'])
Red_Sea_offers = sum(comp.loc[comp['governorate'] == 'Red Sea','number_of_offers'])
Behira_offers = sum(comp.loc[comp['governorate'] == 'Behira','number_of_offers'])
Asyut_offers = sum(comp.loc[comp['governorate'] == 'Asyut','number_of_offers'])
Faiyum_offers = sum(comp.loc[comp['governorate'] == 'Faiyum','number_of_offers'])
Luxor_offers = sum(comp.loc[comp['governorate'] == 'Luxor','number_of_offers'])
Aswan_offers = sum(comp.loc[comp['governorate'] == 'Aswan','number_of_offers'])
Damiatta_offers = sum(comp.loc[comp['governorate'] == 'Damiatta','number_of_offers'])
Matruh_offers = sum(comp.loc[comp['governorate'] == 'Matruh','number_of_offers'])
Kafr_El_Sheikh_offers = sum(comp.loc[comp['governorate'] == 'Kafr El Sheikh','number_of_offers'])
South_Sinai_offers = sum(comp.loc[comp['governorate'] == 'South Sinai','number_of_offers'])
Monufia_offers = sum(comp.loc[comp['governorate'] == 'Monufia','number_of_offers'])
Suez_offers = sum(comp.loc[comp['governorate'] == 'Suez','number_of_offers'])
Dakahlia_offers = sum(comp.loc[comp['governorate'] == 'Dakahlia','number_of_offers'])

extract the plastics quantity for each governorate
North_Sinai_plastic = sum(comp.loc[comp['governorate'] == 'North Sinai','plastic_quantity'])
Cairo_plastic = sum(comp.loc[comp['governorate'] == 'Cairo','plastic_quantity'])
Beni_Suef_plastic = sum(comp.loc[comp['governorate'] == 'Beni Suef','plastic_quantity'])
Alexandria_plastic = sum(comp.loc[comp['governorate'] == 'Alexandria','plastic_quantity'])
Minya_plastic = sum(comp.loc[comp['governorate'] == 'Minya','plastic_quantity'])
Sharqia_plastic = sum(comp.loc[comp['governorate'] == 'Sharqia','plastic_quantity'])
Ismailia_plastic = sum(comp.loc[comp['governorate'] == 'Ismailia','plastic_quantity'])
Qena_plastic = sum(comp.loc[comp['governorate'] == 'Qena','plastic_quantity'])
Gharbia_plastic = sum(comp.loc[comp['governorate'] == 'Gharbia','plastic_quantity'])
Qalyubia_plastic = sum(comp.loc[comp['governorate'] == 'Qalyubia','plastic_quantity'])
Giza_plastic = sum(comp.loc[comp['governorate'] == 'Giza','plastic_quantity'])
Port_Said_plastic = sum(comp.loc[comp['governorate'] == 'Port Said','plastic_quantity'])
Red_Sea_plastic = sum(comp.loc[comp['governorate'] == 'Red Sea','plastic_quantity'])
Behira_plastic = sum(comp.loc[comp['governorate'] == 'Behira','plastic_quantity'])
Asyut_plastic = sum(comp.loc[comp['governorate'] == 'Asyut','plastic_quantity'])
Faiyum_plastic = sum(comp.loc[comp['governorate'] == 'Faiyum','plastic_quantity'])
Luxor_plastic = sum(comp.loc[comp['governorate'] == 'Luxor','plastic_quantity'])
Aswan_plastic = sum(comp.loc[comp['governorate'] == 'Aswan','plastic_quantity'])
Damiatta_plastic = sum(comp.loc[comp['governorate'] == 'Damiatta','plastic_quantity'])
Matruh_plastic = sum(comp.loc[comp['governorate'] == 'Matruh','plastic_quantity'])
Kafr_El_Sheikh_plastic = sum(comp.loc[comp['governorate'] == 'Kafr El Sheikh','plastic_quantity'])
South_Sinai_plastic = sum(comp.loc[comp['governorate'] == 'South Sinai','plastic_quantity'])
Monufia_plastic = sum(comp.loc[comp['governorate'] == 'Monufia','plastic_quantity'])
Suez_plastic = sum(comp.loc[comp['governorate'] == 'Suez','plastic_quantity'])
Dakahlia_plastic = sum(comp.loc[comp['governorate'] == 'Dakahlia','plastic_quantity'])

North_Sinai_status = sum(comp.loc[comp['governorate'] == 'North Sinai','status'])
North_Sinai_APPROVED = sum(comp.loc[comp['governorate'] == 'North Sinai' and status=='IN APPROVAL']).shape[0]
North_Sinai_SUSPENDED = sum(comp.loc[comp['governorate'] == 'North Sinai' and status=='SUSPENDED']).shape[0]
Cairo_APPROVED = sum(comp.loc[comp['governorate'] == 'Cairo' and status=='IN APPROVAL']).shape[0]
Cairo_SUSPENDED = sum(comp.loc[comp['governorate'] == 'Cairo' and status=='SUSPENDED']).shape[0]
Beni_Suef_APPROVED = sum(comp.loc[comp['governorate'] == 'Beni Suef' and status=='IN APPROVAL']).shape[0]
Beni_Suef_SUSPENDED = sum(comp.loc[comp['governorate'] == 'Beni Suef' and status=='SUSPENDED']).shape[0]
Alexandria_APPROVED = sum(comp.loc[comp['governorate'] == 'Alexandria' and status=='IN APPROVAL']).shape[0]
Alexandria_SUSPENDED = sum(comp.loc[comp['governorate'] == 'Alexandria' and status=='SUSPENDED']).shape[0]
Minya_APPROVED = sum(comp.loc[comp['governorate'] == 'Minya' and status=='IN APPROVAL']).shape[0]
Minya_SUSPENDED = sum(comp.loc[comp['governorate'] == 'Minya' and status=='SUSPENDED']).shape[0]
Sharqia_APPROVED = sum(comp.loc[comp['governorate'] == 'Sharqia' and status=='IN APPROVAL']).shape[0]
Sharqia_SUSPENDED = sum(comp.loc[comp['governorate'] == 'Sharqia' and status=='SUSPENDED']).shape[0]
Ismailia_APPROVED = sum(comp.loc[comp['governorate'] == 'Ismailia' and status=='IN APPROVAL']).shape[0]
Ismailia_SUSPENDED = sum(comp.loc[comp['governorate'] == 'Ismailia' and status=='SUSPENDED']).shape[0]
Qena_APPROVED = sum(comp.loc[comp['governorate'] == 'Qena' and status=='IN APPROVAL']).shape[0]
Qena_SUSPENDED = sum(comp.loc[comp['governorate'] == 'Qena' and status=='SUSPENDED']).shape[0]
Gharbia_APPROVED = sum(comp.loc[comp['governorate'] == 'Gharbia' and status=='IN APPROVAL']).shape[0]
Gharbia_SUSPENDED = sum(comp.loc[comp['governorate'] == 'Gharbia' and status=='SUSPENDED']).shape[0]
Sohag_APPROVED = sum(comp.loc[comp['governorate'] == 'Sohag' and status=='IN APPROVAL']).shape[0]
Sohag_SUSPENDED = sum(comp.loc[comp['governorate'] == 'Sohag' and status=='SUSPENDED']).shape[0]
Qalyubia_APPROVED = sum(comp.loc[comp['governorate'] == 'Qalyubia' and status=='IN APPROVAL']).shape[0]
Qalyubia_SUSPENDED = sum(comp.loc[comp['governorate'] == 'Qalyubia' and status=='SUSPENDED']).shape[0]
Giza_APPROVED = sum(comp.loc[comp['governorate'] == 'Giza' and status=='IN APPROVAL']).shape[0]
Giza_SUSPENDED = sum(comp.loc[comp['governorate'] == 'Giza' and status=='SUSPENDED']).shape[0]
Port_Said_APPROVED = sum(comp.loc[comp['governorate'] == 'Port Said' and status=='IN APPROVAL']).shape[0]
Port_Said_SUSPENDED = sum(comp.loc[comp['governorate'] == 'Port Said' and status=='SUSPENDED']).shape[0]
Red_Sea_APPROVED = sum(comp.loc[comp['governorate'] == 'Red Sea' and status=='IN APPROVAL']).shape[0]
Red_Sea_SUSPENDED = sum(comp.loc[comp['governorate'] == 'Red Sea' and status=='SUSPENDED']).shape[0]
Behira_APPROVED = sum(comp.loc[comp['governorate'] == 'Behira' and status=='IN APPROVAL']).shape[0]
Behira_SUSPENDED = sum(comp.loc[comp['governorate'] == 'Behira' and status=='SUSPENDED']).shape[0]
Asyut_APPROVED = sum(comp.loc[comp['governorate'] == 'Asyut' and status=='IN APPROVAL']).shape[0]
Asyut_SUSPENDED = sum(comp.loc[comp['governorate'] == 'Asyut' and status=='SUSPENDED']).shape[0]
Faiyum_APPROVED = sum(comp.loc[comp['governorate'] == 'Faiyum' and status=='IN APPROVAL']).shape[0]
Faiyum_SUSPENDED = sum(comp.loc[comp['governorate'] == 'Faiyum' and status=='SUSPENDED']).shape[0]
Luxor_APPROVED = sum(comp.loc[comp['governorate'] == 'Luxor' and status=='IN APPROVAL']).shape[0]
Luxor_SUSPENDED = sum(comp.loc[comp['governorate'] == 'Luxor' and status=='SUSPENDED']).shape[0]
Aswan_APPROVED = sum(comp.loc[comp['governorate'] == 'Aswan' and status=='IN APPROVAL']).shape[0]
Aswan_SUSPENDED = sum(comp.loc[comp['governorate'] == 'Aswan' and status=='SUSPENDED']).shape[0]
Damiatta_APPROVED = sum(comp.loc[comp['governorate'] == 'Damiatta' and status=='IN APPROVAL']).shape[0]
Damiatta_SUSPENDED = sum(comp.loc[comp['governorate'] == 'Damiatta' and status=='SUSPENDED']).shape[0]
Matruh_APPROVED = sum(comp.loc[comp['governorate'] == 'Matruh' and status=='IN APPROVAL']).shape[0]
Matruh_SUSPENDED = sum(comp.loc[comp['governorate'] == 'Matruh' and status=='SUSPENDED']).shape[0]
Kafr_El_Sheikh_APPROVED = sum(comp.loc[comp['governorate'] == 'Kafr El Sheikh' and status=='IN APPROVAL']).shape[0]
Kafr_El_Sheikh_SUSPENDED = sum(comp.loc[comp['governorate'] == 'Kafr El Sheikh' and status=='SUSPENDED']).shape[0]
South_Sinai_APPROVED = sum(comp.loc[comp['governorate'] == 'South Sinai' and status=='IN APPROVAL']).shape[0]
South_Sinai_SUSPENDED = sum(comp.loc[comp['governorate'] == 'South Sinai' and status=='SUSPENDED']).shape[0]
Monufia_APPROVED = sum(comp.loc[comp['governorate'] == 'Monufia' and status=='IN APPROVAL']).shape[0]
Monufia_SUSPENDED = sum(comp.loc[comp['governorate'] == 'Monufia' and status=='SUSPENDED']).shape[0]
Suez_APPROVED = sum(comp.loc[comp['governorate'] == 'Suez' and status=='IN APPROVAL']).shape[0]
Suez_SUSPENDED = sum(comp.loc[comp['governorate'] == 'Suez' and status=='SUSPENDED']).shape[0]
Dakahlia_APPROVED = sum(comp.loc[comp['governorate'] == 'Dakahlia' and status=='IN APPROVAL']).shape[0]
Dakahlia_SUSPENDED = sum(comp.loc[comp['governorate'] == 'Dakahlia' and status=='SUSPENDED']).shape[0]
```

```
governorates_IN_APPROVAL = (North_Sinai_APPROVED, Cairo_APPROVED, Beni_Suef_APPROVED, Alexandria_APPROVED, Minya_APPROVED, Sharqia_APPROVED, Ismailia_APPROVED, Qena_APPROVED,
Gharbia_APPROVED, Sohag_APPROVED, Qalyubia_APPROVED, Giza_APPROVED, Port_Said_APPROVED, Red_Sea_APPROVED, Behira_APPROVED,
Sohag_APPROVED, Faiyum_APPROVED, Luxor_APPROVED, Aswan_APPROVED, Damiatta_APPROVED, Matruh_APPROVED,
Kafr_El_Sheikh_APPROVED, South_Sinai_APPROVED, Monufia_APPROVED, Suez_APPROVED, Dakahlia_APPROVED)

governorates_APPROVED = (North_Sinai_APPROVED, Cairo_APPROVED, Beni_Suef_APPROVED, Alexandria_APPROVED, Minya_APPROVED, Sharqia_APPROVED, Ismailia_APPROVED, Qena_APPROVED,
Gharbia_APPROVED, Sohag_APPROVED, Qalyubia_APPROVED, Giza_APPROVED, Port_Said_APPROVED, Red_Sea_APPROVED, Behira_APPROVED,
Sohag_APPROVED, Faiyum_APPROVED, Luxor_APPROVED, Aswan_APPROVED, Damiatta_APPROVED, Matruh_APPROVED,
Kafr_El_Sheikh_APPROVED, South_Sinai_APPROVED, Monufia_APPROVED, Suez_APPROVED, Dakahlia_APPROVED)

governorates_SUSPENDED = (North_Sinai_SUSPENDED, Cairo_SUSPENDED, Beni_Suef_SUSPENDED, Alexandria_SUSPENDED, Minya_SUSPENDED, Sharqia_SUSPENDED, Ismailia_SUSPENDED, Qena_SUSPENDED,
Gharbia_SUSPENDED, Sohag_SUSPENDED, Qalyubia_SUSPENDED, Giza_SUSPENDED, Port_Said_SUSPENDED, Red_Sea_SUSPENDED, Behira_SUSPENDED,
Sohag_SUSPENDED, Faiyum_SUSPENDED, Luxor_SUSPENDED, Aswan_SUSPENDED, Damiatta_SUSPENDED, Matruh_SUSPENDED,
Kafr_El_Sheikh_SUSPENDED, South_Sinai_SUSPENDED, Monufia_SUSPENDED, Suez_SUSPENDED, Dakahlia_SUSPENDED)

governorates = ['North_Sinai', 'Cairo', 'Beni_Suef', 'Alexandria', 'Minya',
                'Sharqia', 'Ismailia', 'Qena', 'Gharbia', 'Sohag',
                'Qalyubia', 'Giza', 'Port_Said', 'Red_Sea', 'Behira',
                'Asyut', 'Faiyum', 'Luxor', 'Aswan', 'Damiatta',
                'Matruh', 'Kafr_El_Sheikh', 'South_Sinai', 'Monufia', 'Suez',
                'Dakahlia']

governorates_Delegates = (North_Sinai_Delegates, Cairo_Delegates, Beni_Suef_Delegates, Alexandria_Delegates, Minya_Delegates,
                          Gharbia_Delegates, Sharqia_Delegates, Ismailia_Delegates, Qena_Delegates,
                          Gharbia_Delegates, Sohag_Delegates, Qalyubia_Delegates, Giza_Delegates, Port_Said_Delegates, Red_Sea_Delegates, Behira_Delegates,
                          Asyut_Delegates, Faiyum_Delegates, Luxor_Delegates, Aswan_Delegates, Damiatta_Delegates,
                          Matruh_Delegates, Kafr_El_Sheikh_Delegates, South_Sinai_Delegates, Monufia_Delegates, Suez_Delegates,
                          Dakahlia_Delegates)

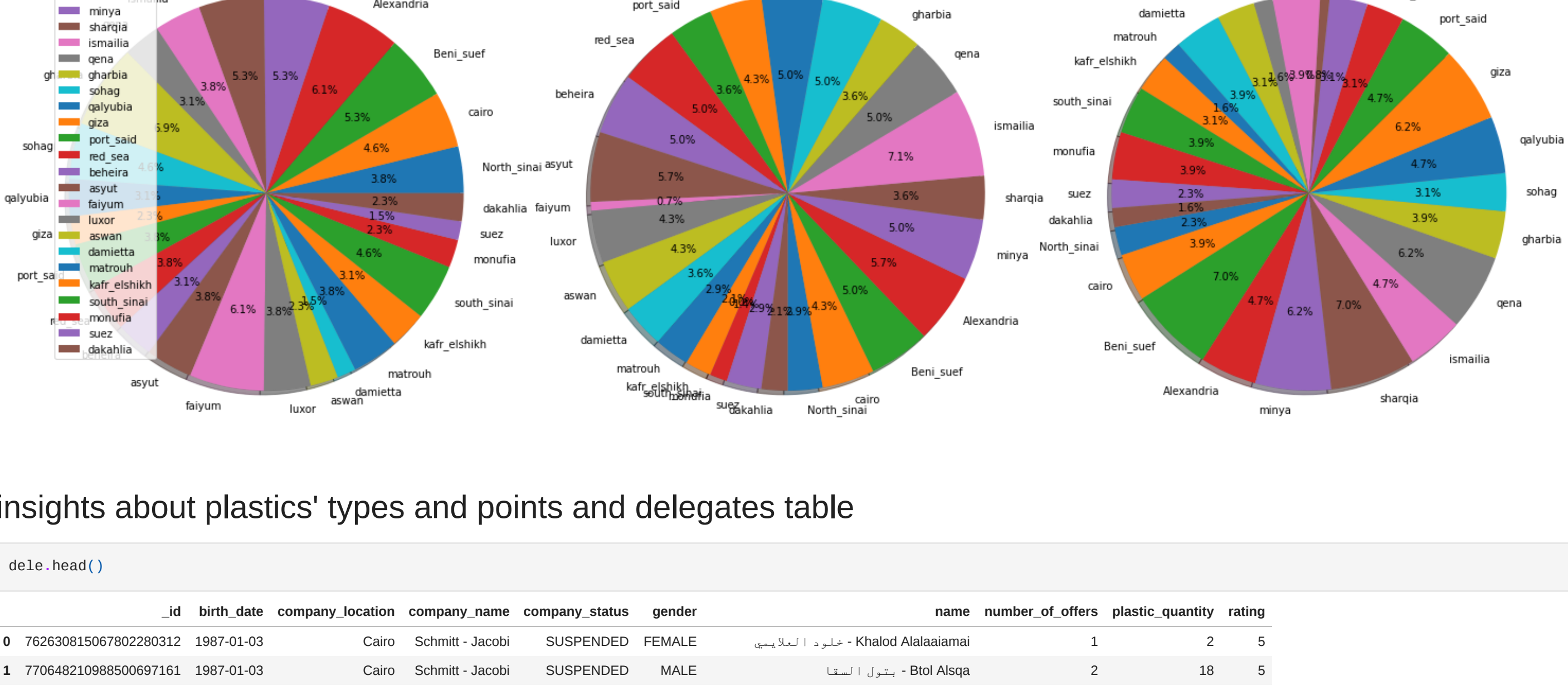
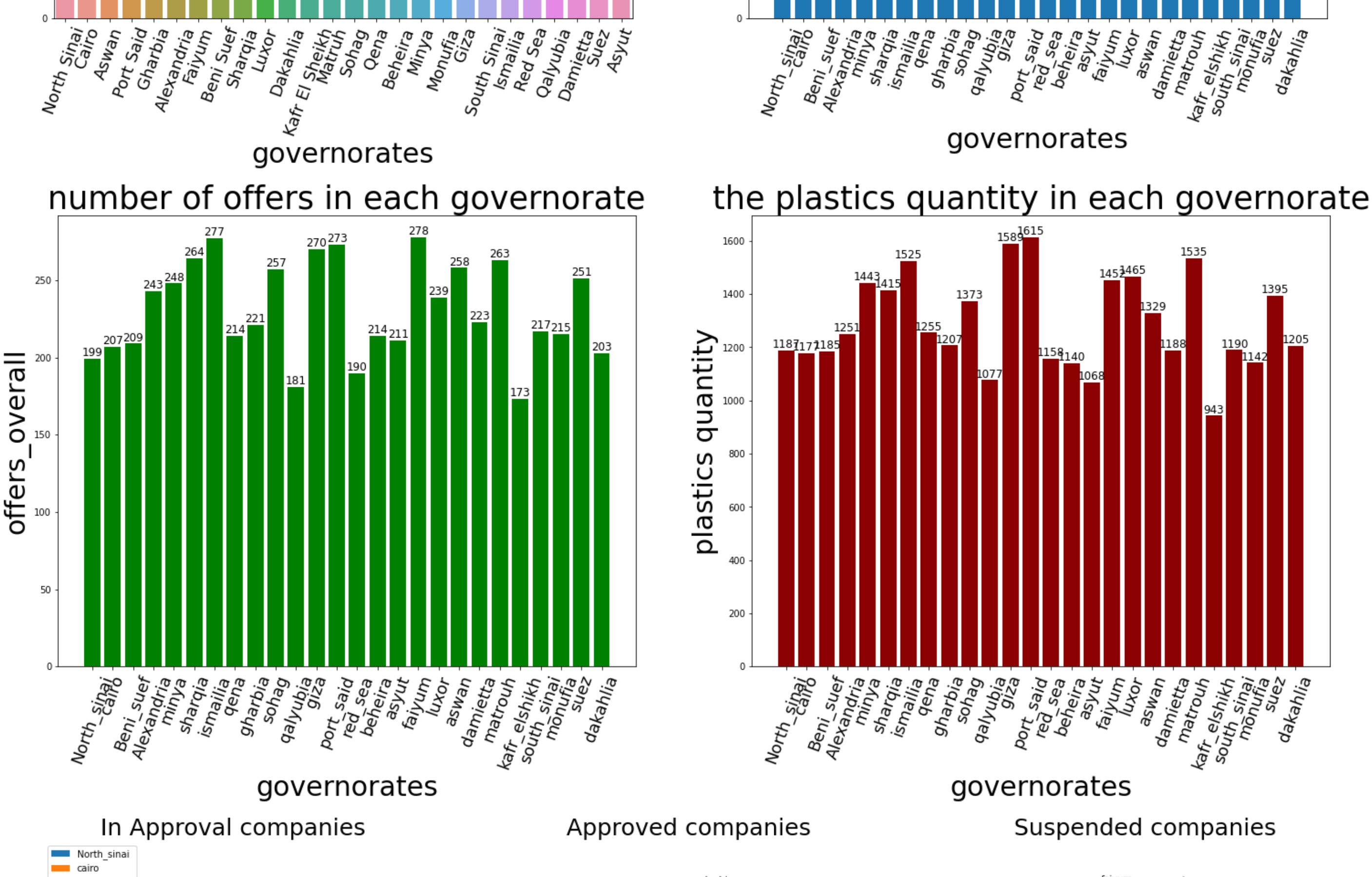
governorates_offers = (North_Sinai_offers, Cairo_offers, Beni_Suef_offers, Alexandria_offers, Minya_offers,
                      Gharbia_offers, Sharqia_offers, Ismailia_offers, Qena_offers,
                      Gharbia_offers, Sohag_offers, Qalyubia_offers, Giza_offers, Port_Said_offers, Red_Sea_offers, Behira_offers,
                      Asyut_offers, Faiyum_offers, Luxor_offers, Aswan_offers, Damiatta_offers,
                      Matruh_offers, Kafr_El_Sheikh_offers, South_Sinai_offers, Monufia_offers, Suez_offers,
                      Dakahlia_offers)

governorates_plastics = (North_Sinai_plastic, Cairo_plastic, Beni_Suef_plastic, Alexandria_plastic, Minya_plastic,
                        Gharbia_plastic, Sharqia_plastic, Ismailia_plastic, Qena_plastic, Gharbia_plastic, Sohag_plastic,
                        Qalyubia_plastic, Giza_plastic, Port_Said_plastic, Red_Sea_plastic, Behira_plastic,
                        Asyut_plastic, Faiyum_plastic, Luxor_plastic, Aswan_plastic, Damiatta_plastic,
                        Matruh_plastic, Kafr_El_Sheikh_plastic, South_Sinai_plastic, Monufia_plastic, Suez_plastic,
                        Dakahlia_plastic)
```



c:\users\i\appdata\local\programs\python\python38\lib\site-packages\seaborn\decorators.py:36: FutureWarning:
Pass the following variable as a keyword arg: x. From version 0.12, the only valid positional argument will be 'data', and passing other arguments without an explicit keyword will result in an error or misinterpretation.

number of companies in each governorate number of delegates in each governorate



insights about plastics' types and points and delegates table

```
item = pd.crosstab(items['name'], items['type'], values=items['points'],aggfunc=sum)
item = ['Alain','Aqualina','Arwa','Dasani','Evan','Hayat','Hestie','Hestie Pure Life']

#Analytical view on Plastics
data = [
    go.Bar(
        x=item,
        y=item['LARGE_BOTTLE'],
        name='LARGE_BOTTLE'
    ),
    go.Bar(
        x=item,
        y=item,
```

In [5]:

```
item = pd.crosstab([item['name'], item['type']], values=item['points'], aggfunc=sum)
item = ['Alain', 'Aquafina', 'Arwa', 'Basani', 'Evian', 'Hayat', 'Nestle', 'Nestle Pure Life']

Analytical view on Plastics
data = {}

go.Bar(
    x=item,
    y=item['LARGE_BOTTLE'],
    name='LARGE_BOTTLE',
)
go.Bar(
    x=item,
    y=item['MEDIUM_BOTTLE'],
    name='MEDIUM_BOTTLE',
)
go.Bar(
    x=item,
    y=item['SMALL_BOTTLE'],
    name='SMALL_BOTTLE',
)

layout.go.setLayout(
    barnode='stack',
    title='Distribution of Plastics points and types'
)

fig = go.Figure(data=data, layout=layout)
py.plot(fig)
```

Ratio of Males and Females

```
fig = {
    "data": [
        {
            "values": [1072,1082],
            "labels": [
                "Males",
                "Females",
            ],
            "domain": "Males",
            "name": "Ratio of Delegates Males and Females",
            "hoverinfo": "label+percent+name",
            "label": "Males",
            "type": "pie"
        },
        {
            "values": [
                {
                    "label": "Ratio of Delegates Males and Females",
                    "title": "Ratio of Delegates Males and Females",
                    "x": "Males",
                    "y": "Ratio of Delegates Males and Females",
                    "text": "Ratio of Delegates Males and Females",
                    "font": {
                        "size": 36
                    },
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                    "fontSize": 36,
                    "color": "black",
                    "angle": 0,
                    "align": "center",
                    "baseline": "middle",
                    "dx": 0,
                    "dy": 0,
                    "fontStyle": "italic",
                    "fontWeight": "bold",
                    "fontSize": 36,
                    "color": "black",
                    "angle": 0,
                    "align": "center",
                    "baseline": "middle",
                    "dx": 0,
                    "dy": 0,
                    "fontStyle": "italic",
                    "fontWeight": "bold",
                    "fontSize": 36,
                    "color": "black",
                    "angle": 0,
                    "align": "center",
                    "baseline": "middle",
                    "dx": 0,
                    "dy": 0,
                    "fontStyle": "italic",
                    "fontWeight": "bold",
                    "fontSize": 36,
                    "color": "black",
                    "angle": 0,
                    "align": "center",
                    "baseline": "middle",
                    "dx": 0,
                    "dy": 0,
                    "fontStyle": "italic",
                    "fontWeight": "bold",
                    "fontSize": 36,
                    "color": "black",
                    "angle": 0,
                    "align": "center",
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