


A decorative graphic on the left side of the slide consisting of two overlapping parallelograms. The front parallelogram is blue, and the back one is a light green. They are positioned diagonally, with the blue one in front of the green one.

Presentation for Junior Research and Development Analyst Post

The Data that I analysed

1	SECTOR	SHELTER	CAPACITY	SHELTER	FACILITY_NAME	SHELTER_NAME	OCCUPANCY	ORGANIZATION_NAME	SHELTER_ADDRESS	SHELTER_CITY	PROGRAM_NAME
2	Women	M5S 2P1	0	ON	COSTI - Radisson Hotel (Single)	COSTI Reception Centre	0	COSTI Immigrant Services	100 Lippincott Street	Toronto	COSTI - Radisson Hotel (Single Pregnant Women)
3	Families	M5S 2P1	560	ON	COSTI - Toronto Plaza Hotel(Fam	COSTI Reception Centre	545	COSTI Immigrant Services	100 Lippincott Street	Toronto	COSTI - Toronto Plaza Hotel (Refugees)
4	Families	M5S 2P1	888	ON	COSTI Radisson Hotel	COSTI Reception Centre	778	COSTI Immigrant Services	100 Lippincott Street	Toronto	COSTI Radisson Hotel Family Program.
5	Co-ed	M5S 2P1	16	ON	COSTI Reception Centre	COSTI Reception Centre	16	COSTI Immigrant Services	100 Lippincott Street	Toronto	COSTI Reception Ctr CITY Program
6	Women	M5S 2P1	2	ON	COSTI Toronto Plaza Hotel (Sin)	COSTI Reception Centre	2	COSTI Immigrant Services	100 Lippincott Street	Toronto	COSTI - Toronto Plaza Hotel (Single Pregnant Women)
7	Men	M6H 3Z5	82	ON	Christie Ossington Men's Hostel	Christie Ossington Men's Host	82	Christie Ossington Neighbourho	973 Lansdowne Avenue	Toronto	Christie Ossington Men's Hostel
8	Men	M6H 3Z5	42	ON	Christie Ossington South Hostel	Christie Ossington Men's Host	42	Christie Ossington Neighbourho	973 Lansdowne Avenue	Toronto	Christie Ossington Men's Hostel South
9	Families	M6G 3B1	76	ON	Christie Refugee Welcome Centr	Christie Refugee Welcome Cen	69	Christie Refugee Welcome Centre	43 Christie Street	Toronto	Christie Refugee Welcome Ctr - Settlement and Supp
10	Families	M1P 4V8	210	ON	Birkdale Residence	Birkdale Residence	205	City of Toronto	1229 Ellesmere Road	Toronto	Birkdale Residence - Bedded Program
11	Families	M1P 4V8	0	ON	Birkdale Residence Motel (Fam)	Birkdale Residence	0	City of Toronto	1229 Ellesmere Road	Toronto	Birkdale Residence - Toronto Plaza Hotel Program (R
12	Families	M1P 4V8	152	ON	Birkdale Residence Motel (Fam)	Birkdale Residence	113	City of Toronto	1229 Ellesmere Road	Toronto	Birkdale Residence - Toronto Plaza Hotel Program (No
13	Men	M3M 2X4	28	ON	Downsview Dells 1651 Sheppard	Downsview Dells	23	City of Toronto	1651 Sheppard Ave Wes	Toronto	Downsview Dells Bedded Program
14	Families	M1E 2M6	252	ON	Family Residence - LI Site	Family Residence	142	City of Toronto	4222 Kingston Road	Toronto	Family Residence - LI Site (Internal Referral Only)
15	Families	M1E 2M6	48	ON	Family Residence - MA Site	Family Residence	54	City of Toronto	4222 Kingston Road	Toronto	Family Residence - MA Site (Internal Referral Only)
16	Families	M1E 2M6	110	ON	Family Residence - Main Buildin	Family Residence	160	City of Toronto	4222 Kingston Road	Toronto	Family Residence - Main
17	Families	M1E 2M6	50	ON	Family Residence - Roycroft Site	Family Residence	46	City of Toronto	4222 Kingston Road	Toronto	Family Residence - Roycroft Site
18	Co-ed	M5V 3W3	34	ON	Fort York - Staybridge Suites	Fort York Residence	34	City of Toronto	38 Bathurst St	Toronto	Fort York - Staybridge Suites
19	Men	M5V 3W3	21	ON	Fort York Res 38 Bathurst St.	Fort York Residence	21	City of Toronto	38 Bathurst St	Toronto	Fort York Extreme Weather Program
20	Men	M5V 3W3	74	ON	Fort York Res 38 Bathurst St.	Fort York Residence	74	City of Toronto	38 Bathurst St	Toronto	Fort York Residence Bedded Program
21	Men	M5V 3W3	48	ON	Fort York Res 38 Bathurst St.	Fort York Residence	48	City of Toronto	38 Bathurst St	Toronto	Fort York SRO Units Program
22	Families	M5A 2R9	90	ON	Robertson House	Robertson House	110	City of Toronto	291 Sherbourne Street	Toronto	Robertson House - MAIN Program
23	Men	M1M 1P8	89	ON	3306 Kingston Road	Scarborough Village Residence	88	City of Toronto	3306 Kingston Road	Toronto	Scarborough Village Residence Main Program
24	Men	M5A-2N2	65	ON	Junction Place	Seaton House	65	City of Toronto	339 George Street	Toronto	Junction Place
25	Men	M5A-2N2	48	ON	Seaton House - 339 George Stree	Seaton House	46	City of Toronto	339 George Street	Toronto	Seaton House - Annex Harm Reduction & Managed Al



I used Python Language for analysing the Data

```
import pandas as pd
```

```
import numpy as np
```

```
df=pd.read_csv("Daily shelter occupancy current .csv")
```

```
df.shape
```

```
(8560, 15)
```

```
df.head()
```

Locations of all the shelter home

```
: df.SECTOR.value_counts()
```

Men	2700
Women	2025
Co-ed	1425
Youth	1275
Families	1135

Name: SECTOR, dtype: int64

```
location=df.SHELTER_CITY.value_counts()
```

location

Toronto	7660
Scarborough	525
North York	225
Etobicoke	150

Name: SHELTER_CITY, dtype: int64



At first I analysed the data for the Women

```
sector=df[df.SECTOR=='Women']
```

```
sector
```

```
women_shelter_location=sector.SHELTER_CITY.value_counts()
```

```
women_shelter_location
```

```
Toronto      1875  
Scarborough   150  
Name: SHELTER_CITY, dtype: int64
```

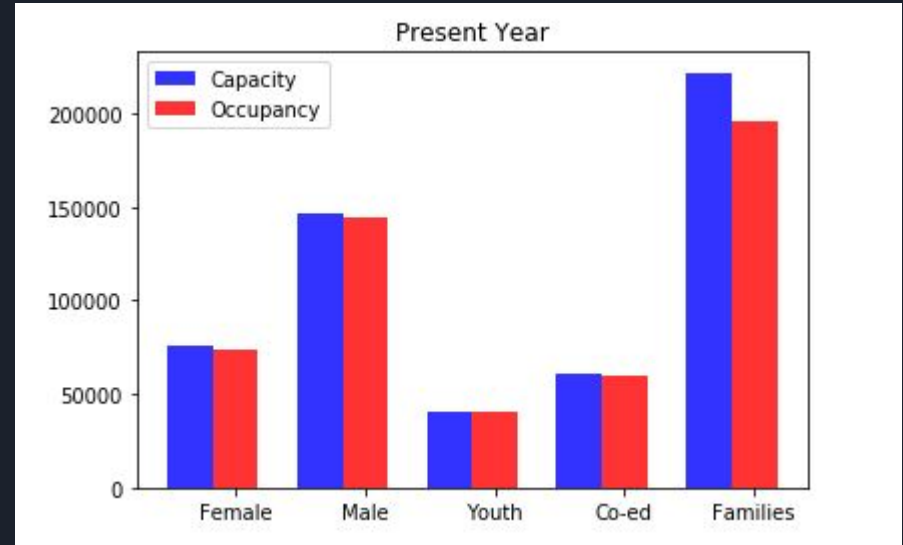
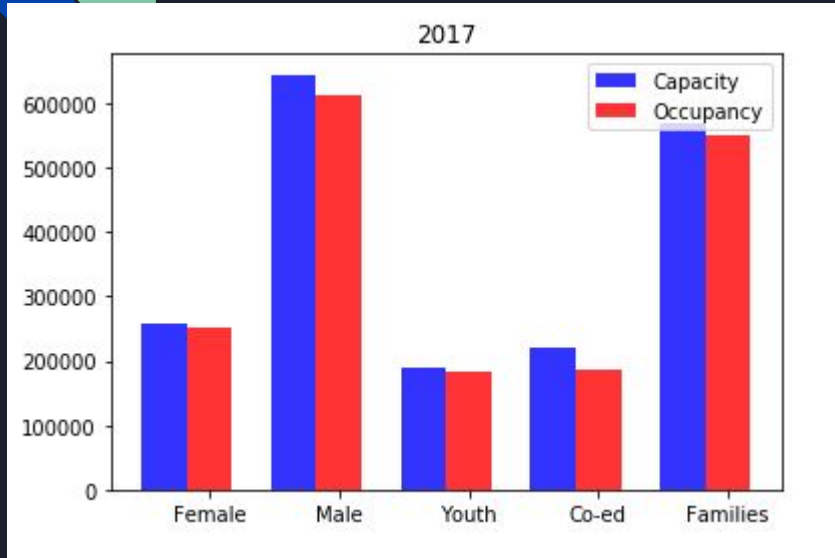
```
[16]: sector.OCCUPANCY.sum()
```

```
[16]: 73293
```

```
[17]: sector.CAPACITY.sum()
```

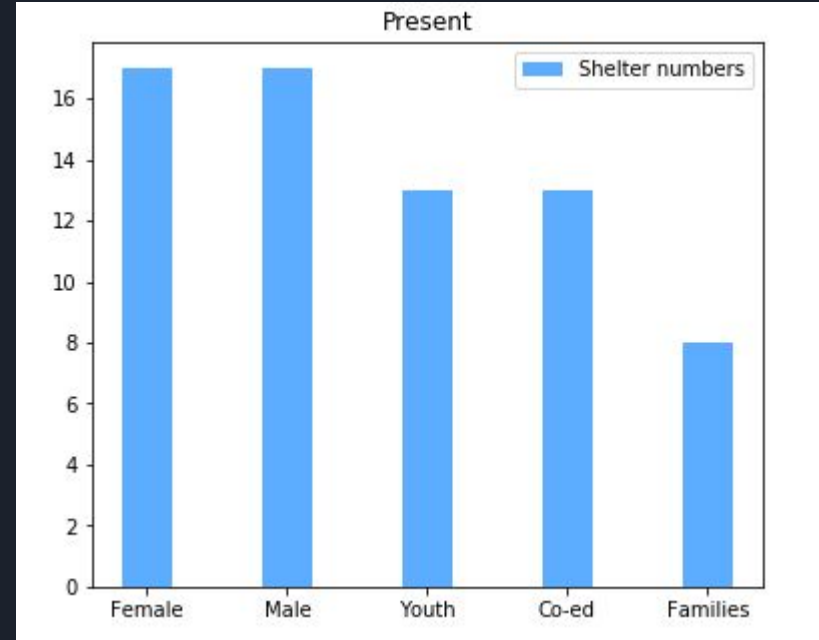
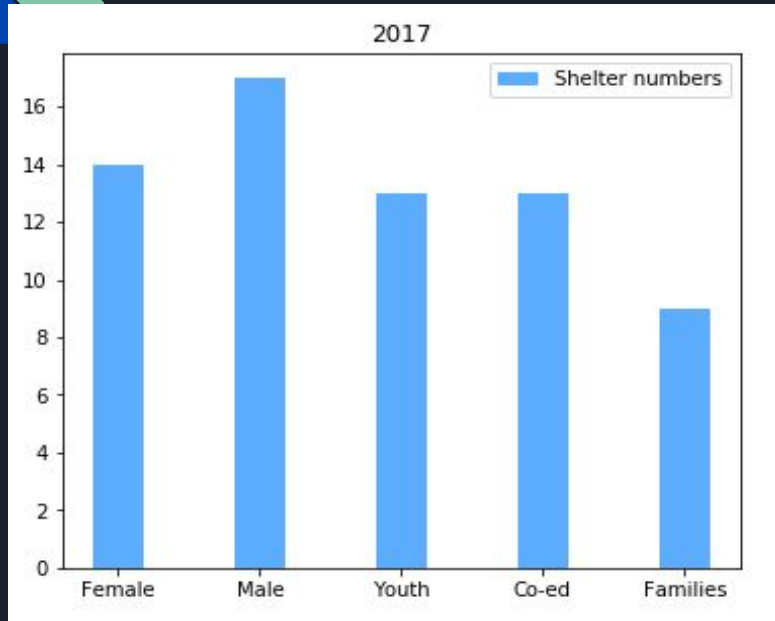
```
[17]: 75464
```

Occupancy and capacity



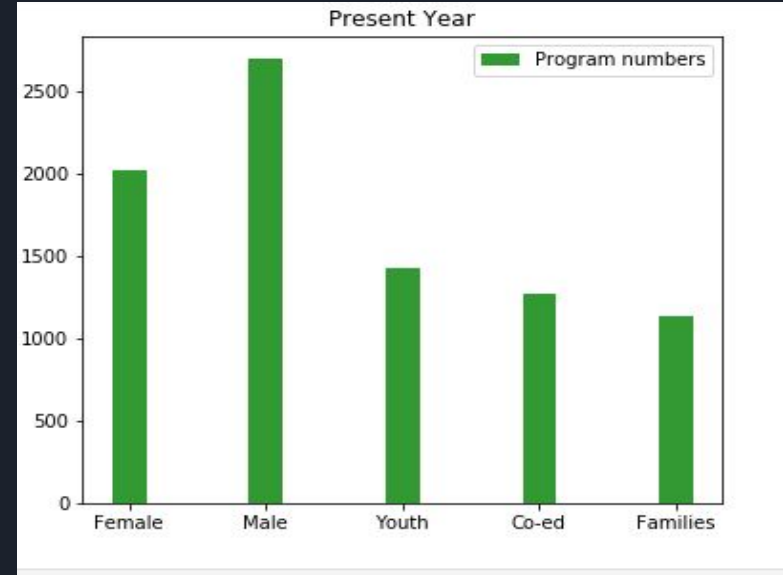
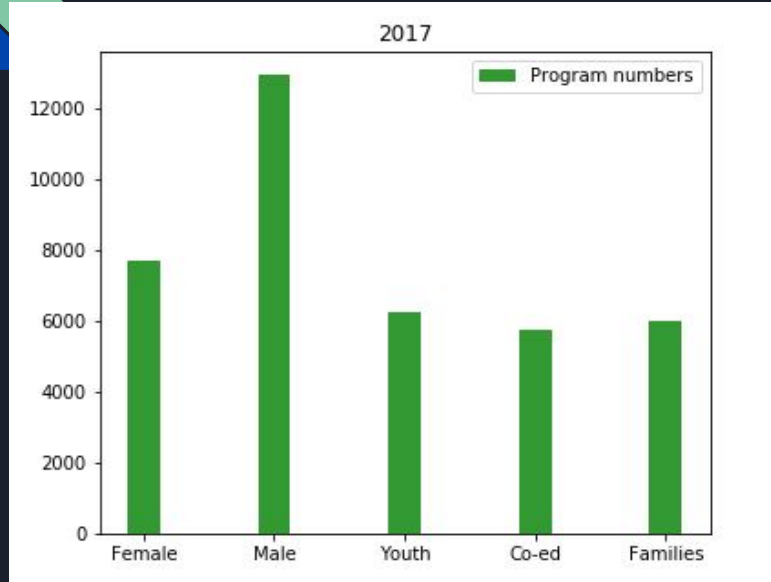
- The number of seats for families in 2017 was less than that of male
- At present the number of seats of families are more than that of males.
- Though overall seats for everyone has decreased in 3 years

Number of Shelter Homes



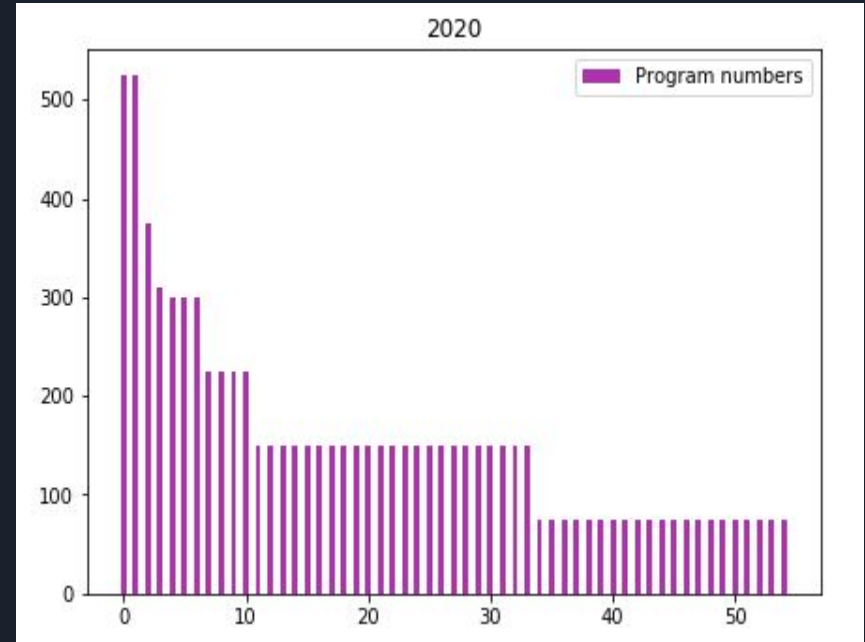
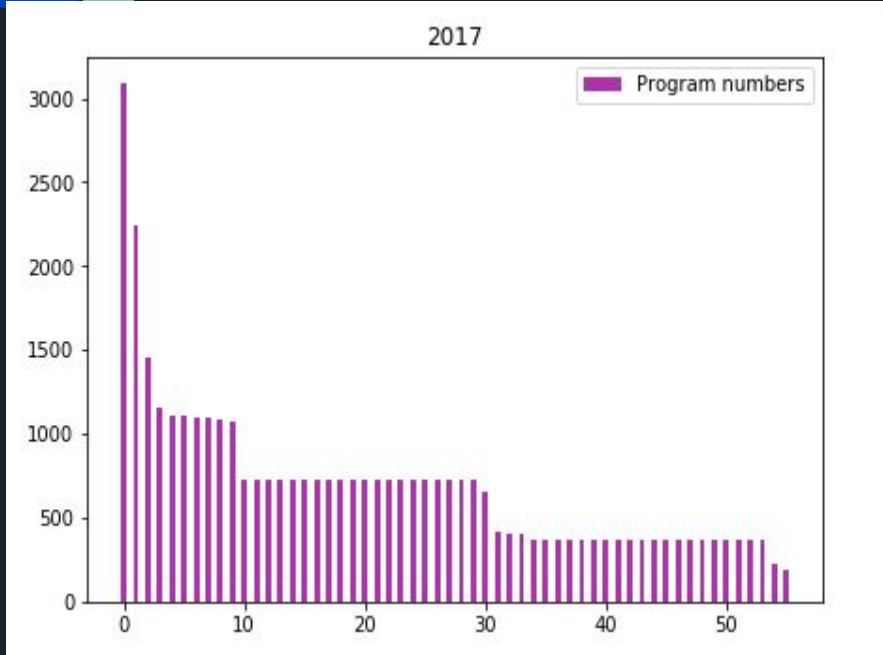
- The number of Shelter homes have changed by just 2.
- Shelter Homes for different sector is also same except for Female and Families.
- There are 7 shelter homes for 25000 families and 17 shelter homes for 15000 males

Programs for groups to get shelter



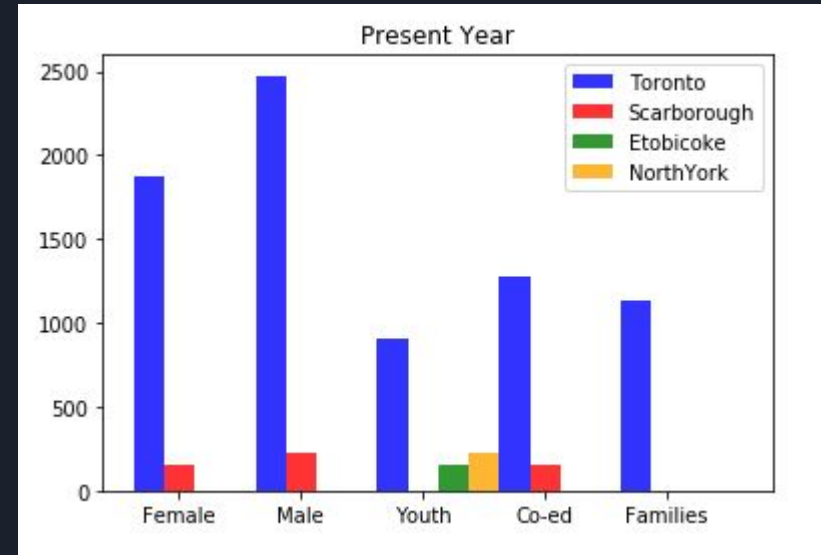
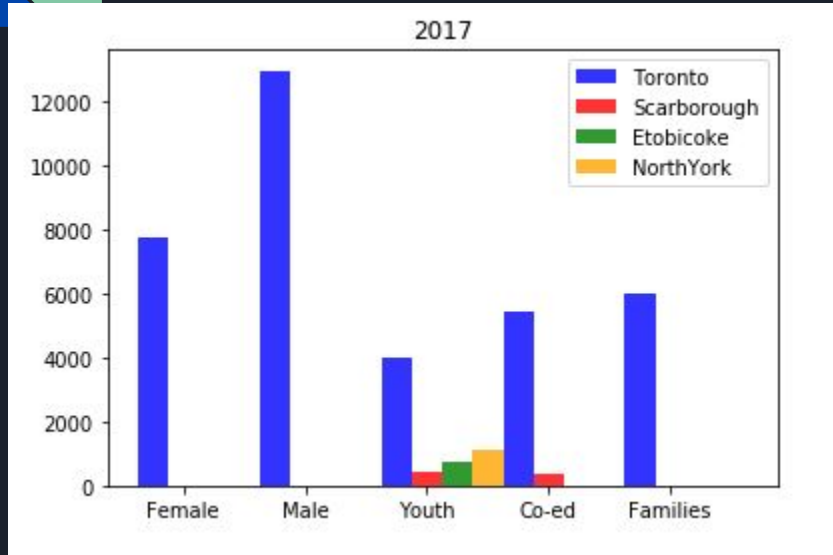
- The pattern of the graph hasn't changed much in 3 years but the numbers of programs for specific groups has decreased
- So we can see that in present year the programs for families less but the seats in them are quite high.
- Number of programs for every sector decreased by 78% on average

Total programs in shelter homes



The number of programs for shelter homes have decreased by 78%

Area based analysis



- There was no shelter home for female and male in Scarborough. Now we have few for both male and female.
- There were a few for youths in 2017 now there is none.
- For families there was never a shelter home in Scarborough.



Insights

- The number of Programs in shelter homes for specific groups have decreased by 78% .
- The number of seats for specific groups has decreased by 71%
- The number of Shelter homes have changed very slightly
- The number of shelter homes in Toronto has been more compared to other three areas



Any Questions?