

tor

NULL

2024-01-25

## load data

```
library(ggplot2)
```

```
toronto_shelter_system_flow<-read.csv("toronto-shelter-system-flow.csv")  
library(tidyverse)
```

```
## -- Attaching core tidyverse packages ----- tidyverse 2.0.0 --  
## v dplyr      1.1.4      v readr      2.1.4  
## v forcats    1.0.0      v stringr    1.5.1  
## v lubridate  1.9.3      v tibble     3.2.1  
## v purrr      1.0.2      v tidyr      1.3.0  
## -- Conflicts ----- tidyverse_conflicts() --  
## x dplyr::filter() masks stats::filter()  
## x dplyr::lag()    masks stats::lag()  
## i Use the conflicted package (<http://conflicted.r-lib.org/>) to force all conflicts to become errors
```

Filter data

```
toronto_shelter_system_flow_dec_23<-toronto_shelter_system_flow%>%  
  filter(date.mmm.yy=='Dec-23')
```

```
toronto_shelter_system_flow_dec_23_type<-toronto_shelter_system_flow_dec_23[,c(2:9)]
```

```
toronto_shelter_system_flow_dec_23_age<-toronto_shelter_system_flow_dec_23[,c(2:3,10:14)]
```

```
toronto_shelter_system_flow_dec_23_gender<-toronto_shelter_system_flow_dec_23[,c(2:3,15:17)]
```

```
toronto_shelter_system_flow_dec_23_population_group_percentage<-toronto_shelter_system_flow_dec_23[,c(2:3,18:20)]
```

homeless type

```
knitr::kable(toronto_shelter_system_flow_dec_23_type)
```

date.mmm.yy.	population_group	returned_from_housing	shelter_identified_to_housing	inactivated_to_housing	actively_homeless		
Dec-23	All Population	53	266	886	617	447	10607
Dec-23	Chronic	4	64	634	504	155	5774
Dec-23	Refugees	10	24	621	399	148	5512
Dec-23	Families	14	6	312	309	32	2522
Dec-23	Youth	8	19	110	47	56	1079
Dec-23	Single Adult	31	241	464	261	359	7006
Dec-23	Non-refugees	43	242	265	218	299	5095
Dec-23	Indigenous	8	74	18	14	81	679

Age

```
knitr::kable(toronto_shelter_system_flow_dec_23_age)
```

date.mmm.yy.	population_group	ageunder16	age16.24	age25.44	age45.64	age65over
Dec-23	All Population	1264	1349	4873	2594	527
Dec-23	Chronic	687	631	2339	1703	414
Dec-23	Refugees	867	801	3059	750	35
Dec-23	Families	1258	269	779	203	13
Dec-23	Youth	0	1079	0	0	0
Dec-23	Single Adult	0	0	4094	2391	514
Dec-23	Non-refugees	397	548	1814	1844	492
Dec-23	Indigenous	9	64	340	234	32

Gender

```
knitr::kable(toronto_shelter_system_flow_dec_23_gender)
```

date.mmm.yy.	population_group	gender_male	gender_female	gender_transgender.non.binary_or_two_spirit
Dec-23	All Population	6376	4096	135
Dec-23	Chronic	3492	2196	86
Dec-23	Refugees	3108	2378	26
Dec-23	Families	1086	1434	2
Dec-23	Youth	623	411	45
Dec-23	Single Adult	4667	2251	88
Dec-23	Non-refugees	3268	1718	109
Dec-23	Indigenous	414	238	27

population group percentage

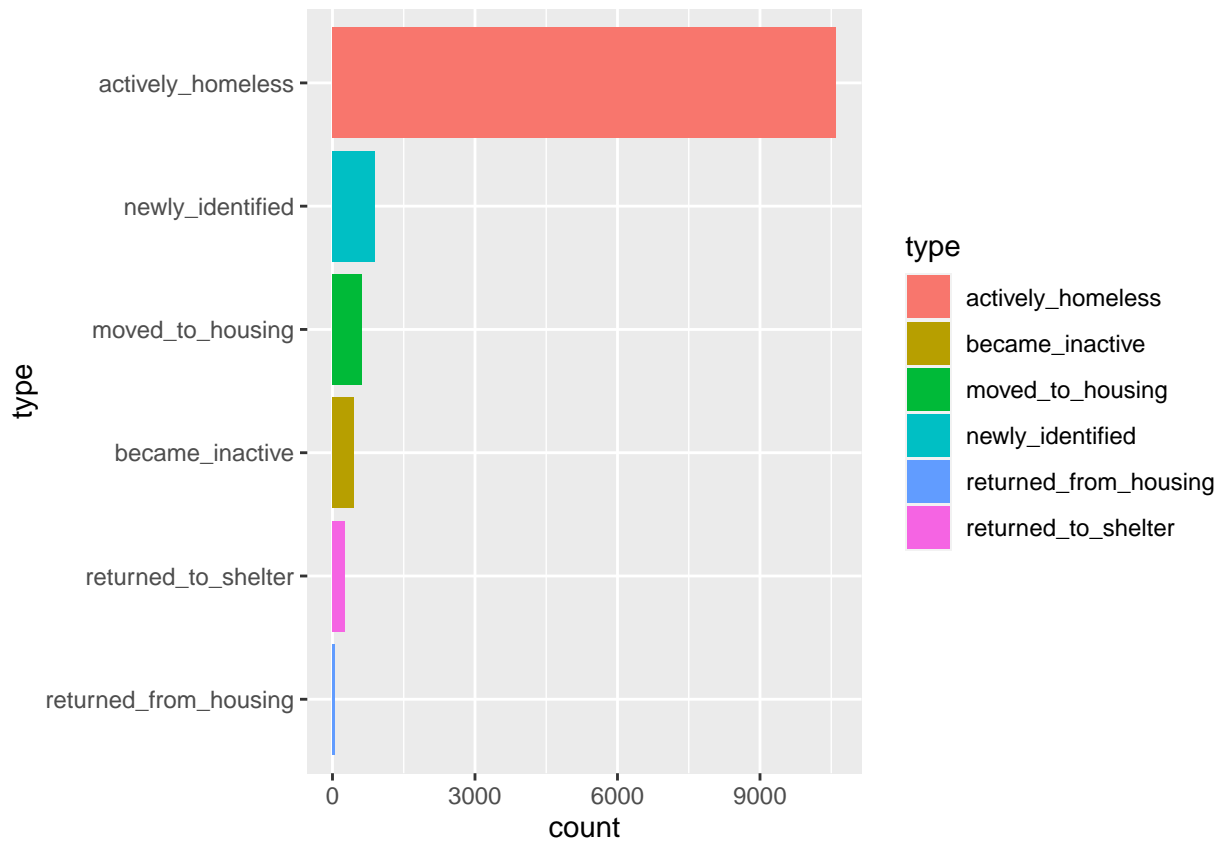
```
knitr::kable(toronto_shelter_system_flow_dec_23_population_group_percentage)
```

date.mmm.yy.	population_group	population_group_percentage
Dec-23	All Population	100.0%
Dec-23	Chronic	54.4%
Dec-23	Refugees	52.0%
Dec-23	Families	23.8%
Dec-23	Youth	10.2%
Dec-23	Single Adult	66.1%
Dec-23	Non-refugees	48.0%
Dec-23	Indigenous	6.4%

homeless type

```
toronto_shelter_system_flow_dec_23_type_1<-toronto_shelter_system_flow_dec_23_type[,c(2:8)] %>%
  pivot_longer(!population_group, names_to = "type", values_to = "count")

toronto_shelter_system_flow_dec_23_type_1%>%
  filter(population_group=='All Population')%>%
  ggplot(aes(x=reorder(type,count),y=count,fill=type))+
  geom_bar(stat = 'identity')+
  labs(x="type")+
  coord_flip()
```



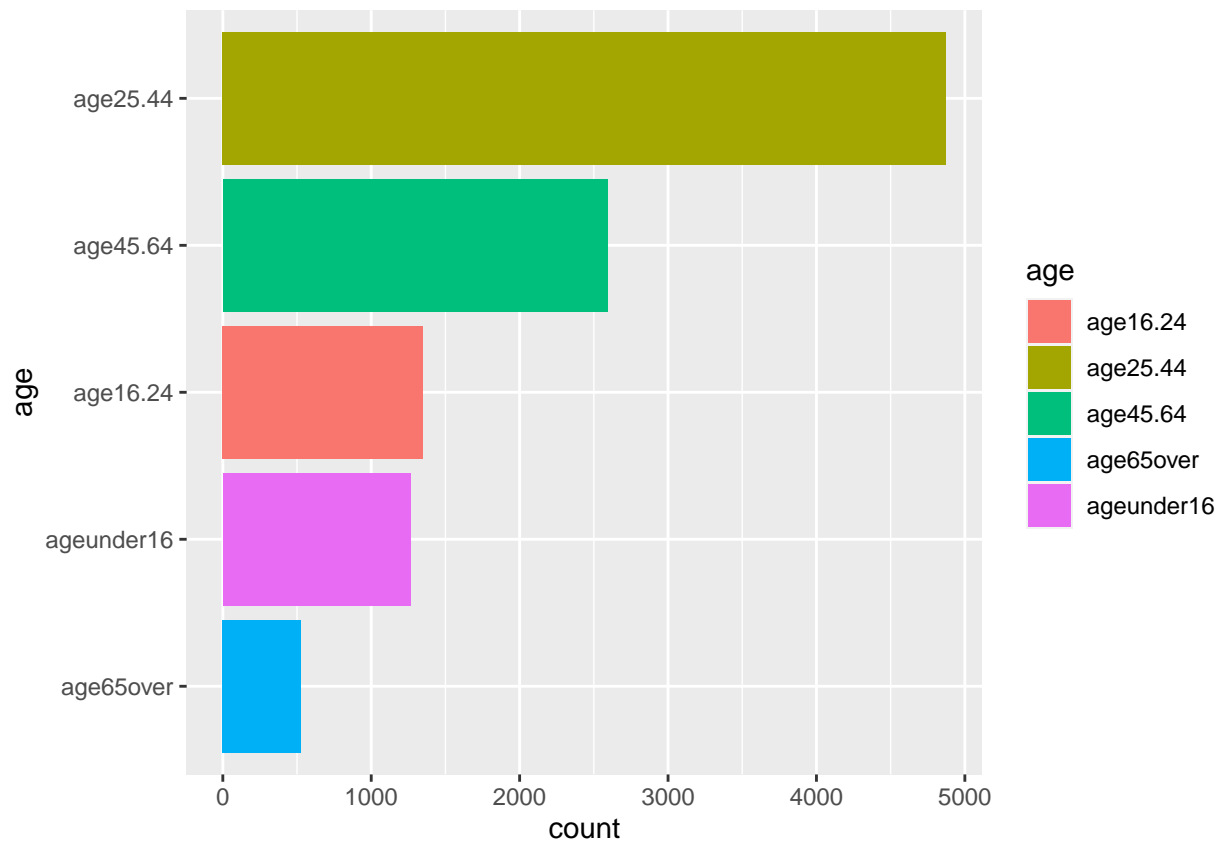
Age

```

toronto_shelter_system_flow_dec_23_age_1<-toronto_shelter_system_flow_dec_23_age[,c(2:7)] %>%
  pivot_longer(!population_group, names_to = "age", values_to = "count")

toronto_shelter_system_flow_dec_23_age_1%>%
  filter(population_group=='All Population')%>%
  ggplot(aes(x=reorder(age,count),y=count,fill=age))+
  geom_bar(stat = 'identity')+
  labs(x="age")+
  coord_flip()

```



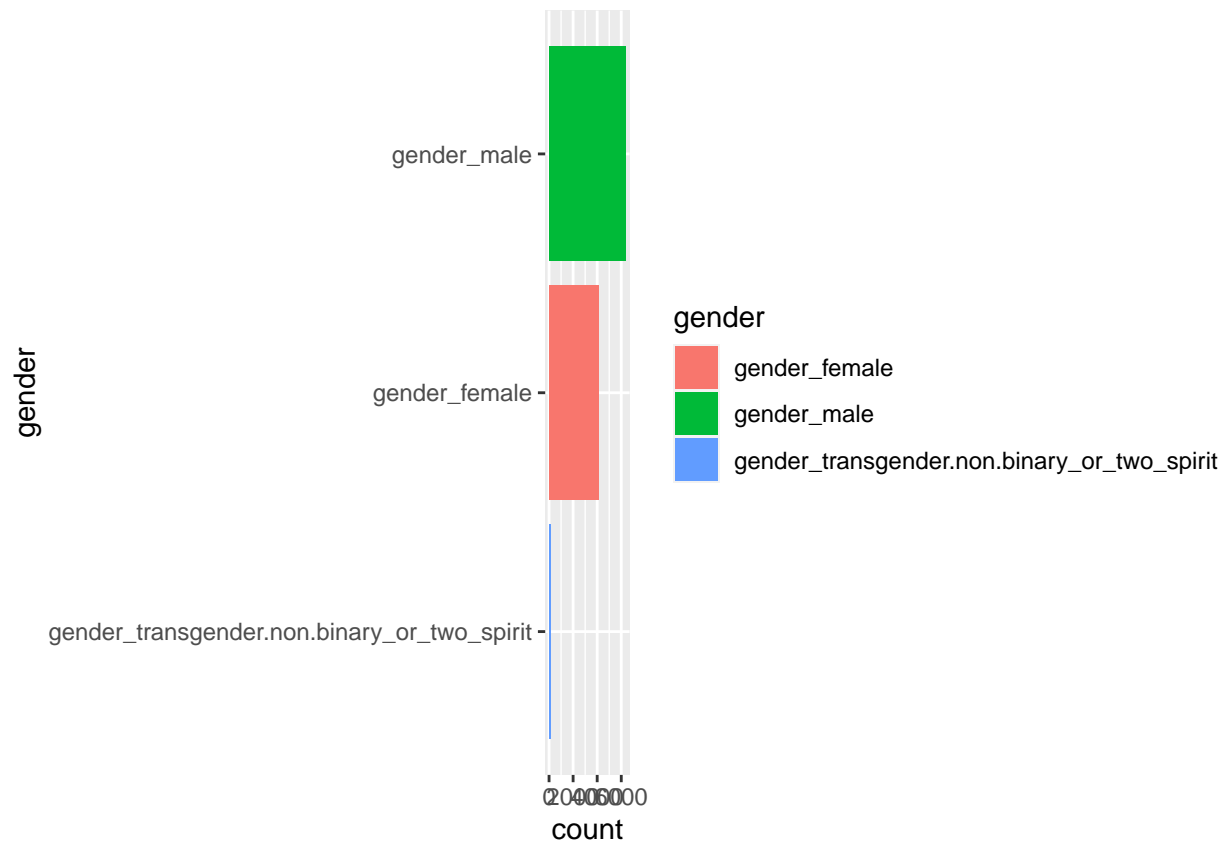
Gender

```

toronto_shelter_system_flow_dec_23_gender_1<-toronto_shelter_system_flow_dec_23_gender[,c(2:5)] %>%
  pivot_longer(!population_group, names_to = "gender", values_to = "count")

toronto_shelter_system_flow_dec_23_gender_1%>%
  filter(population_group=='All Population')%>%
  ggplot(aes(x=reorder(gender,count),y=count,fill=gender))+
  geom_bar(stat = 'identity')+
  labs(x="gender")+
  coord_flip()

```



population\_group\_percentage

```
toronto_shelter_system_flow_dec_23_population_group_percentage$population_group_percentage<-gsub("%", "")
toronto_shelter_system_flow_dec_23_population_group_percentage$population_group_percentage<-as.numeric(
```

```
toronto_shelter_system_flow_dec_23_population_group_percentage%>%
  filter(population_group!='All Population')%>%
  ggplot(aes(x=population_group,y=population_group_percentage))+
  geom_bar(stat = 'identity',fill="steelblue")
```

