

# PIT 2022

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2022-09-25

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# 1 Percentages for discrete variables

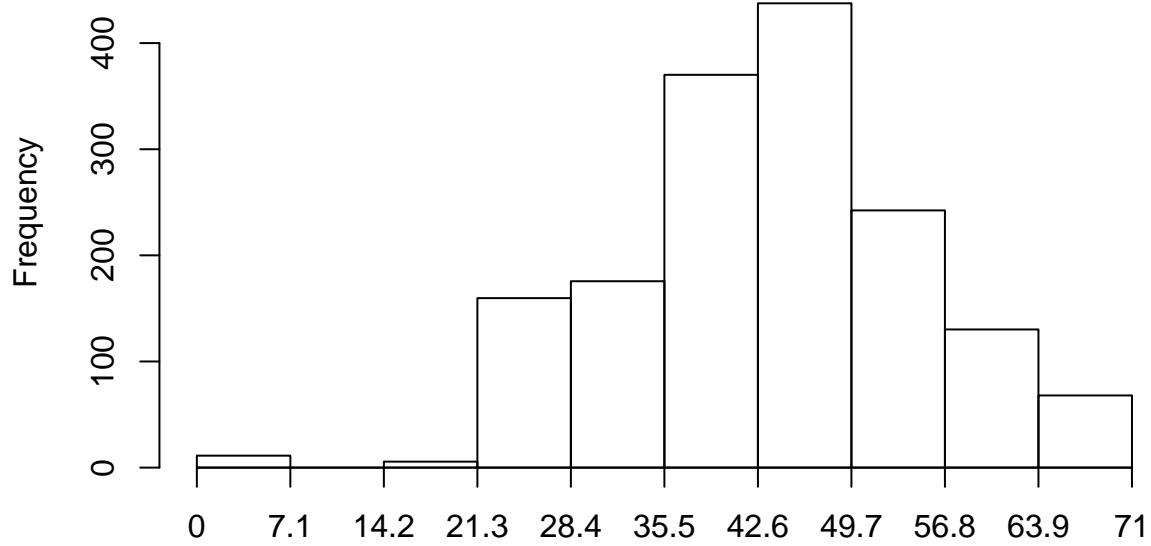
the observed percentage and the projected percentage over three years are from people who answered the question about duration of homelessness.

	Observed %	Projected %
Male	77.51479	77.68537
Race: African American	18.3432	10.33151
Race: White	69.82249	78.95643
Race: All other	7.100592	7.148882
Ethnicity: Hispanic/Latino	7.692308	8.040589
With any family or non-family members staying with you	21.19205	30.51325
With pet(s)	21.91781	27.53974
With either someone else or pets (this is union of last two)	32.87671	38.76672
First time homeless	0	0
Times homeless in last three years = 1	36.09467	28.95815
Times homeless = 2	20.11834	26.1614
Times homeless = 3	10.65089	8.967612
Times homeless = 4 or more	33.13609	35.91283
Stayed at any shelter	49.11243	58.54296
Had Covid	14.20118	15.66118
Physical disability	38.09524	32.26345
Serious mental illness	50	62.05989
Substance use disorder	39.88095	42.75506
HIV/AIDS	1.785714	1.24785
Any disability	79.28994	16.68854
Meets chronic definition	61.53846	51.10114
Homeless because of violence	13.09524	19.77401
SSI/SSDI income	19.64286	18.39802
Interested in housing if needs met	95.2381	97.56838
Military veteran	9.52381	5.12799

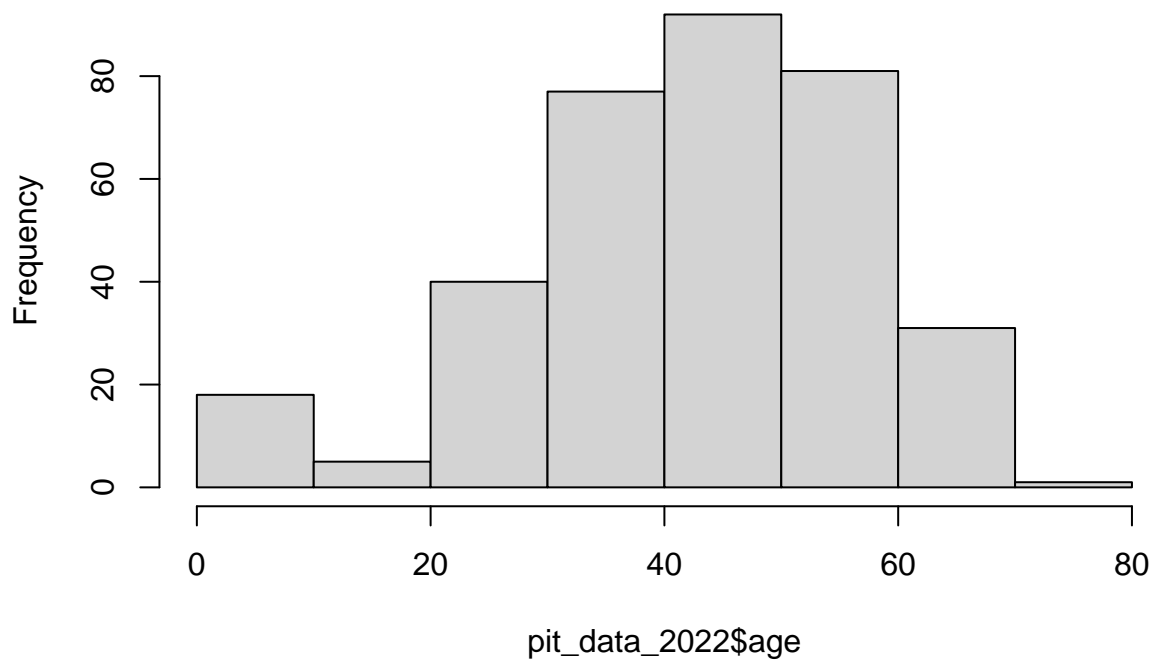


## 2 Distributions and Graphs for continuous variables

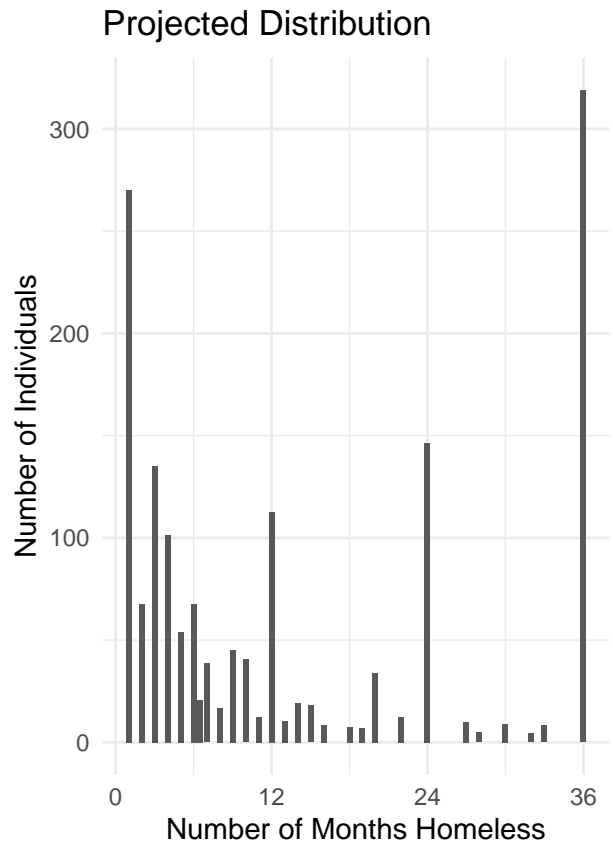
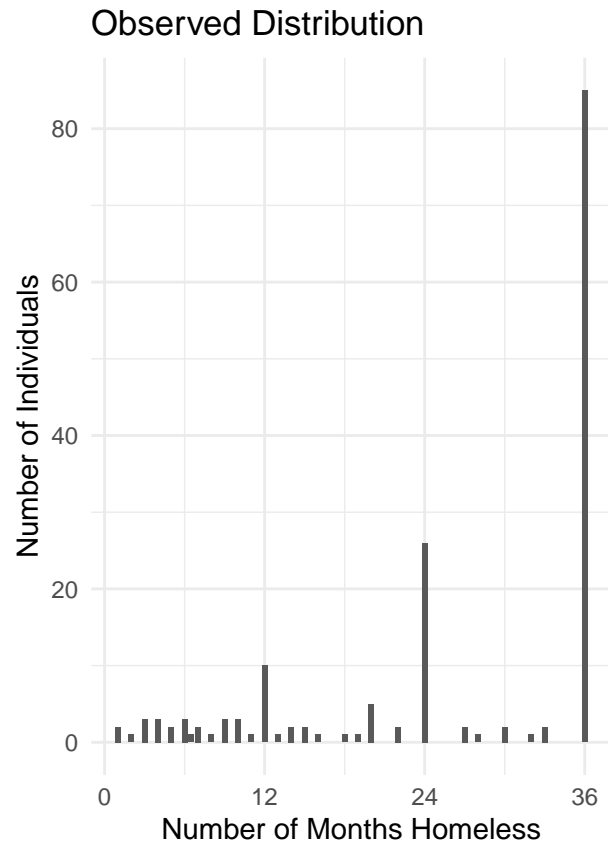
**Projected Distribution: Age**



**Observed Distribution: Age**



The paired graphs above have the same break for each bar.



### 3 Number of people observed and projected

Observed Estimate	Count with Complete Data	Projected Total Estimate
634	169	1600



## 4 Crosstables for the observed data

For the crosstables, I used the original data (including all participants, answering or not answering the questions)

### 4.1 Stayed at any shelter by with someone

```
##
##
##   Cell Contents
## |-----|
## |                      N |
## |      N / Table Total |
## |-----|
##
##
## Total Observations in Table:  313
##
##
##               | pit_data_2022$hoh_tonight
## pit_data_2022$shelter |      Self |      Other |      Missing | Row Total |
## -----|-----|-----|-----|-----|
##           No Use |      124 |       37 |          0 |      161 |
##           |      0.396 |      0.118 |      0.000 |           |
## -----|-----|-----|-----|-----|
##           Use |      120 |       19 |          0 |      139 |
##           |      0.383 |      0.061 |      0.000 |           |
## -----|-----|-----|-----|-----|
##           Missing |        6 |         3 |          4 |       13 |
##           |      0.019 |      0.010 |      0.013 |           |
## -----|-----|-----|-----|-----|
##           Column Total |      250 |       59 |          4 |      313 |
## -----|-----|-----|-----|-----|
##
##
## Statistics for All Table Factors
##
##
## Pearson's Chi-squared test
```

```
## -----  
## Chi^2 = 98.60866      d.f. = 4      p = 1.945396e-20  
##  
##  
##
```

## 4.2 Stayed at any shelter by with someone or with a pet

```
##
##
##   Cell Contents
## |-----|
## |                      N |
## |          N / Table Total |
## |-----|
##
##
## Total Observations in Table:  301
##
##
##                               | pit_data_2022$with_others
## pit_data_2022$shelter |                Self | With someone/pet(s) |                Row Total |
## -----|-----|-----|-----|
##           No Use |                100 |                55 |                155 |
##           |                0.332 |                0.183 |                |
## -----|-----|-----|-----|
##           Use |                101 |                32 |                133 |
##           |                0.336 |                0.106 |                |
## -----|-----|-----|-----|
##           Missing |                10 |                3 |                13 |
##           |                0.033 |                0.010 |                |
## -----|-----|-----|-----|
##           Column Total |                211 |                90 |                301 |
## -----|-----|-----|-----|
##
##
## Statistics for All Table Factors
##
##
## Pearson's Chi-squared test
## -----
## Chi^2 =  4.758513      d.f. =  2      p =  0.09261943
##
##
##
```

### 4.3 Stayed at any shelter by meets chronic definition

```
##
##
##   Cell Contents
## |-----|
## |                      N |
## | Chi-square contribution |
## |      N / Row Total |
## |      N / Col Total |
## |      N / Table Total |
## |-----|
##
##
## Total Observations in Table:  345
##
##
##                               | pit_data_2022$CHRONIC
## pit_data_2022$shelter |          No | CHRONIC HOMELESSNESS |          Row Total |
## -----|-----|-----|-----|
##           No Use |          88 |          93 |          181 |
##           |          0.024 |          0.022 |          |
##           |          0.486 |          0.514 |          0.525 |
##           |          0.533 |          0.517 |          |
##           |          0.255 |          0.270 |          |
## -----|-----|-----|-----|
##           Use |          60 |          87 |          147 |
##           |          1.510 |          1.384 |          |
##           |          0.408 |          0.592 |          0.426 |
##           |          0.364 |          0.483 |          |
##           |          0.174 |          0.252 |          |
## -----|-----|-----|-----|
##           Missing |          17 |           0 |          17 |
##           |          9.676 |          8.870 |          |
##           |          1.000 |          0.000 |          0.049 |
##           |          0.103 |          0.000 |          |
##           |          0.049 |          0.000 |          |
## -----|-----|-----|-----|
##           Column Total |          165 |          180 |          345 |
##           |          0.478 |          0.522 |          |
```

## -----|-----|-----|-----|  
##  
##

#### 4.4 Stayed at any shelter by race (white non-hispanic vs. all other)

```
##
##
##   Cell Contents
## |-----|
## |                      N |
## |      N / Table Total |
## |-----|
##
##
## Total Observations in Table:  345
##
##
##                               | pit_data_2022$white_nonhispanic
## pit_data_2022$shelter |                No | White and Non-His/Lat |                Row Total |
## -----|-----|-----|-----|
##           No Use |                52 |                129 |                181 |
##           |                0.151 |                0.374 |                |
## -----|-----|-----|-----|
##           Use |                61 |                86 |                147 |
##           |                0.177 |                0.249 |                |
## -----|-----|-----|-----|
##           Missing |                14 |                 3 |                17 |
##           |                0.041 |                0.009 |                |
## -----|-----|-----|-----|
##           Column Total |                127 |                218 |                345 |
## -----|-----|-----|-----|
##
##
## Statistics for All Table Factors
##
##
## Pearson's Chi-squared test
## -----
## Chi^2 =  21.6281      d.f. =  2      p =  2.011489e-05
##
##
##
```

#### 4.5 Stayed at any shelter by homeless due to violence

```
##
##
##   Cell Contents
## |-----|
## |                      N |
## |          N / Table Total |
## |-----|
##
##
## Total Observations in Table:  327
##
##
##                               | pit_data_2022$violence
## pit_data_2022$shelter |          No |          Yes |          DK |          Missing | Row Total |
## -----|-----|-----|-----|-----|-----|
##           No Use |          158 |           18 |           1 |           2 |          179 |
##           |          0.483 |          0.055 |          0.003 |          0.006 |           |
## -----|-----|-----|-----|-----|-----|
##           Use |          125 |           20 |           1 |           0 |          146 |
##           |          0.382 |          0.061 |          0.003 |          0.000 |           |
## -----|-----|-----|-----|-----|-----|
##           Missing |           0 |           1 |           0 |           1 |           2 |
##           |          0.000 |          0.003 |          0.000 |          0.003 |           |
## -----|-----|-----|-----|-----|-----|
##           Column Total |          283 |           39 |           2 |           3 |          327 |
## -----|-----|-----|-----|-----|-----|
##
##
## Statistics for All Table Factors
##
##
## Pearson's Chi-squared test
## -----
## Chi^2 =  59.11638      d.f. =  6      p =  6.803494e-11
##
##
##
```

#### 4.6 Homeless due to violence by gender (use all the categories)

```
##
##
##   Cell Contents
## |-----|
## |                      N |
## |      N / Table Total |
## |-----|
##
##
## Total Observations in Table:  327
##
##
##                               | pit_data_2022$GENDER
## pit_data_2022$violence |      Data Not Collected |      Female |
## -----|-----|-----|-----|
##           No |           1 |           0 |           67 |
##           |           0.003 |           0.000 |           0.205 |
## -----|-----|-----|-----|
##           Yes |           0 |           0 |           24 |
##           |           0.000 |           0.000 |           0.073 |
## -----|-----|-----|-----|
##           DK |           0 |           0 |           0 |
##           |           0.000 |           0.000 |           0.000 |
## -----|-----|-----|-----|
##           Missing |           0 |           1 |           0 |
##           |           0.000 |           0.003 |           0.000 |
## -----|-----|-----|-----|
##           Column Total |           1 |           1 |           91 |
## -----|-----|-----|-----|
##
##
```



## 4.7 Homeless due to violence by gender dichotomy (male vs. all others)

```
##
##
##   Cell Contents
## |-----|
## |                      N |
## |      N / Table Total |
## |-----|
##
##
## Total Observations in Table:  327
##
##
##                               | pit_data_2022$male
## pit_data_2022$violence |      Male |   Not Male | Row Total |
## -----|-----|-----|-----|
##                No |        69 |        214 |        283 |
##                |    0.211 |    0.654 |          |
## -----|-----|-----|-----|
##                Yes |        24 |         15 |         39 |
##                |    0.073 |    0.046 |          |
## -----|-----|-----|-----|
##                DK |         0 |          2 |          2 |
##                |    0.000 |    0.006 |          |
## -----|-----|-----|-----|
##                Missing |         1 |          2 |          3 |
##                |    0.003 |    0.006 |          |
## -----|-----|-----|-----|
##                Column Total |        94 |        233 |        327 |
## -----|-----|-----|-----|
##
##
## Statistics for All Table Factors
##
##
## Pearson's Chi-squared test
## -----
## Chi^2 =  23.94444      d.f. =  3      p =  2.565617e-05
##
```

##  
##