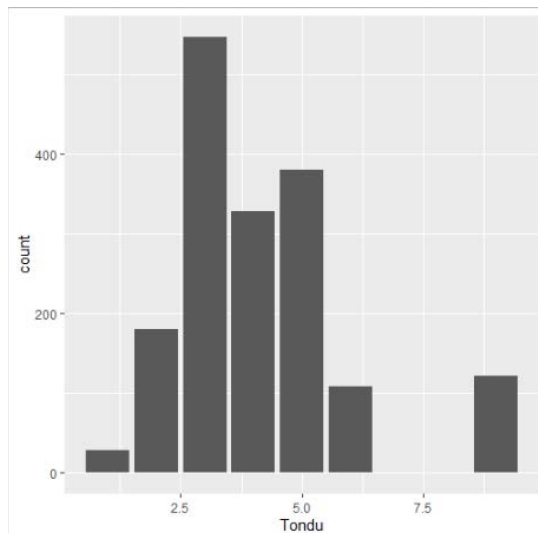


```

> install.packages('epiDisplay') #Glen added 02252022
> library(haven)
> library(tidyverse) #Glen added 02252022
> library(plyr) #Glen added 02252022
> library(epiDisplay)
>
> # Read Data
> TEDS_2016 <-
+   read_stata("https://github.com/datageneration/home/blob/master/DataProgramming/data/T
+
> # Assign variables names in TEDS_2016 data frame
> TEDS_2016$Tondu<- as.numeric(TEDS_2016$Tondu,
+   labels=c("Unification now", "Status quo, unif. in future",
+   "Status quo, decide later", "Status quo forever",
+   "Status quo, indep. in future", "Independence now",
+   "No response"))
>
> # Generate frequency table of Tondu Variable
> count(TEDS_2016, 'Tondu')
  Tondu freq
1      1   27
2      2  180
3      3  546
4      4  328
5      5  380
6      6  108
7      9  121
>
>
> # Create Bar Charts of Tondu Variable
> #By Count
> ggplot(data = TEDS_2016) +
+   geom_bar(mapping = aes(x = Tondu))

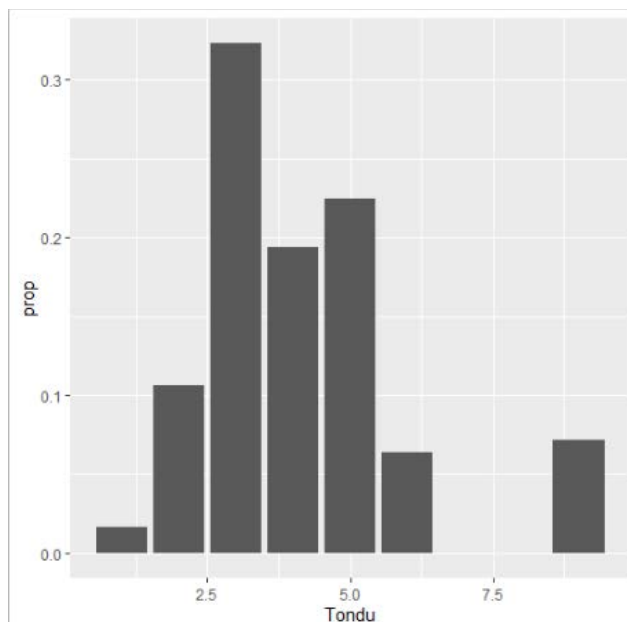
```



```

> #By proportion
> ggplot(data = TEDS_2016) +
+   geom_bar(mapping = aes(x = Tondu, y = stat(prop), group = 1))

```

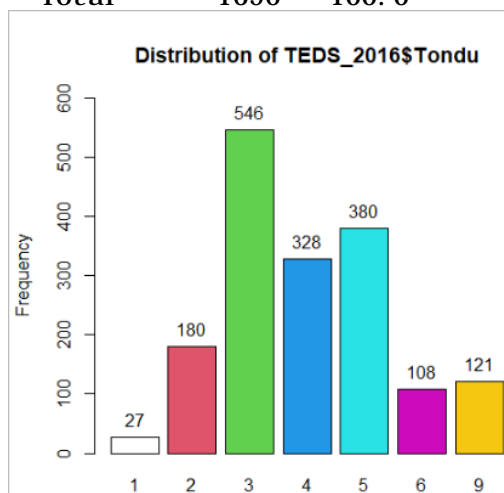


> #Note the problem that this bar chart has a gap because there are no values
 > #between 6 and 9

> # Combination of frequency table and Bar Chart of Tondu Variable
 > tab1(TEDS_2016\$Tondu, sort.group = "desc", cum.percent = TRUE)

TEDS_2016\$Tondu :

	Frequency	Percent	Cum. percent
1	27	1.6	1.6
2	180	10.7	12.2
3	546	32.3	44.6
4	328	19.4	64.0
5	380	22.5	86.4
6	108	6.4	92.8
9	121	7.2	100.0
Total	1690	100.0	100.0



> #Note that this output corrects for the missing values and produces a neater
 > #frequency table

```
> # Exploring the relationship between Todu and the other variables created multiple
> # difficulties. Including missing data, non-categorical data, etc. This made it
> # challenging given the coding examples used so far available. In order to analyze
> # these variables they would have to be reclassified into categorical variables and
> # then tables and barcharts developed using categorical variables.
```

```
>
```