

## Professor Notes About the “Univariate EDA - Cat” Homework

- In the last question I noted what I considered to be the major characteristics of the results. Your major characteristics may differ somewhat from mine. However, you should NOT just relist all of the information in the tables.
- Note how each table and figure is labeled and referred to in the answers.
- You should use no more than one decimal place for percentages (or three decimals for proportions).

## Chemical Waste Disposal

Most respondents thought that the Environmental Protection Agency was the agency that disposed of chemical wastes followed by the Occupational Safety and Health Administration (Table 1, Figure 1). Relatively few people thought the Department of Transportation or National Institutes of Health disposed of chemical wastes.

Table 1. Percentages table for perceived choice of agency that disposes of chemical waste. Abbreviations are: d=Department of Transportation, e=Environmental Protection Agency, n=National Institutes of Health, o=Occupational Safety and Health Administration, and u=unanswered.

agency				
d	e	n	o	u
10.2	47.7	12.5	28.4	1.1

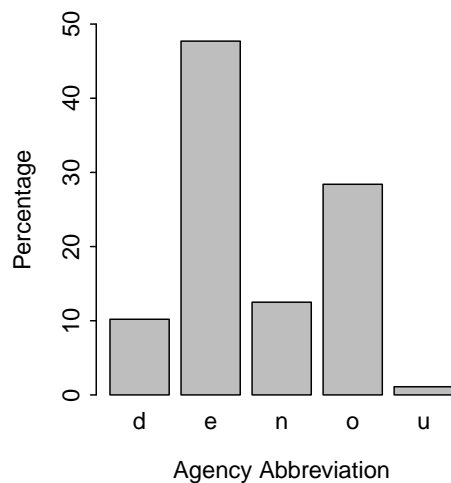


Figure 1. Bar chart of percentages by perceived choice of agency that disposes of chemical waste. Abbreviations are in Table 1.

## R Appendix.

```
library(NCStats)
setwd('C:/aaaWork/Books/IntroStats/HW/')
d <- read.csv("Agency.csv")
str(d2)
( a.tbl <- xtabs(~agency,data=d) )
( p.tbl <- percTable(a.tbl) )
barplot(p.tbl,xlab="Agency Abbreviation",ylab="Percentage",ylim=c(0,50))
```