Assignment1

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### DATA 607: Assignment1 – Loading Data into a Data Frame - Mushroom Data

#### See raw date under “<https://github.com/igukusamuel/DATA-607-Assignment-1/blob/master/Mushroom%20Data.csv>”

### Load data into a data frame named MD directly from the original url.

MD<- read.table(“<https://archive.ics.uci.edu/ml/machine-learning-databases/mushroom/agaricus-lepiota.data>”, header = F, sep = “,”)

### Review the column titles.

names(MD)

### Review the data frame structure as well as a summary of the data items.

summary(MD)

### Review first 5 rows of the data frame

head(MD, 5)

### Review last 5 rows in the data frame to confirm that the data has loaded correctly.

tail(MD, 5)

### Rename the columns (note the default naming of columns is V1, V2,….., V23)

names(MD) <- c(“classes”, “cap-shape”, “cap-surface”, “cap-color”, “bruises?”, “odor”, “gill-attachment”, “gill-spacing”, “gill-size”, “gill-color”, “stalk-shape”, “stalk-root”, “stalk-surface-above-ring”, “stalk-surface-below-ring”, “stalk-color-above-ring”, “stalk-color-below-ring”, “veil-type”, “veil-color”, “ring-number”, “ring-type”, “spore-print-color”, “population”, “habitat”)

### Confirm name change

names(MD)

### Replace abbreviations used in column named classes

levels(MDclasses)==“p”] <- “poisonous” levels(MDclasses)==“e”] <- “edible”