Alex Gibbons

March 21, 2024

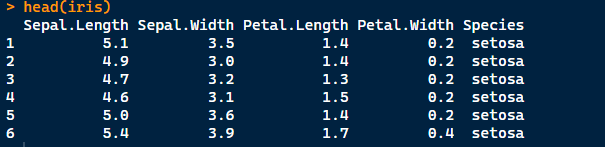
CMPT 363 – Data Mining

Dr. Ankur Agrawal

library("tidyverse")

library("datasets")

head(iris)



head(ChickWeight)

A screen shot of a number

Description automatically generated

# as tibble function

# converts passed argument to a tibble

irises <- as\_tibble(iris)

irises

A screen shot of a computer

Description automatically generated

chicken <- as\_tibble(ChickWeight)

chicken

A screen shot of a computer

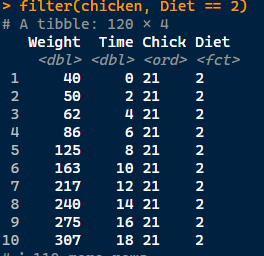
Description automatically generated

chicken <- rename(chicken, Weight = weight)

names(chicken)



filter(chicken, Diet == 2)

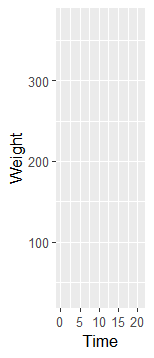


filter(irises, Sepal.Length > 5)

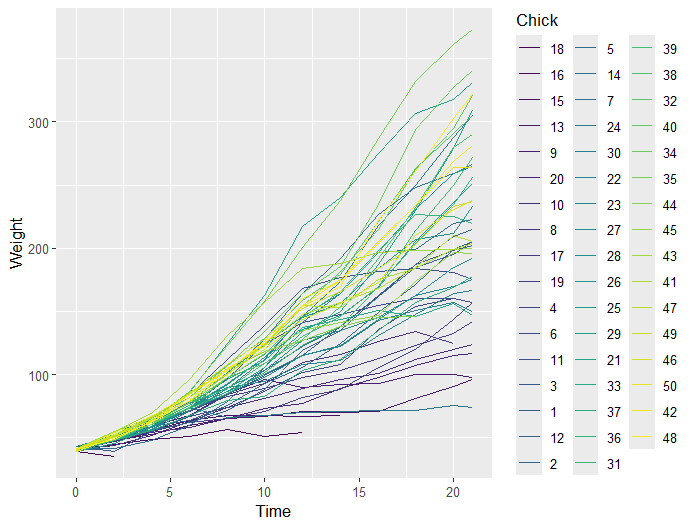
A screenshot of a computer program

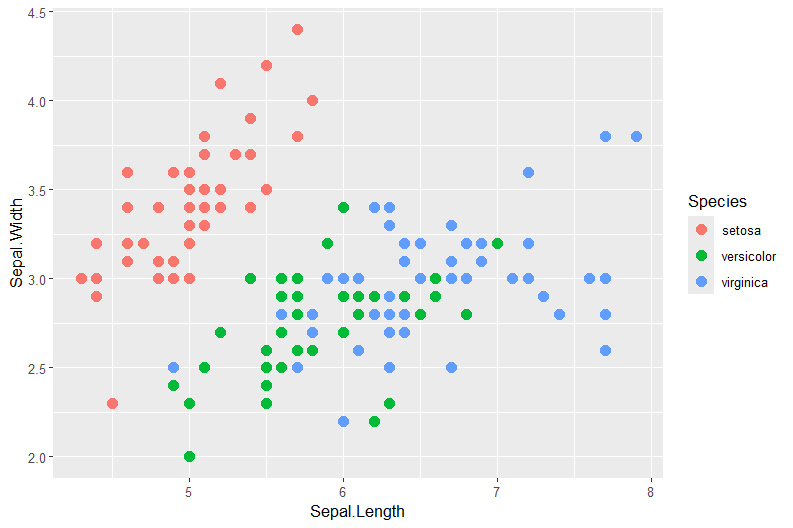
Description automatically generated

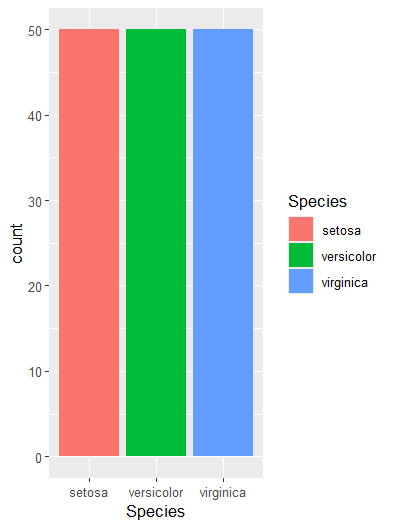
ggplot(data = chicken, mapping = aes(x = Time, y = Weight, color = Chick))

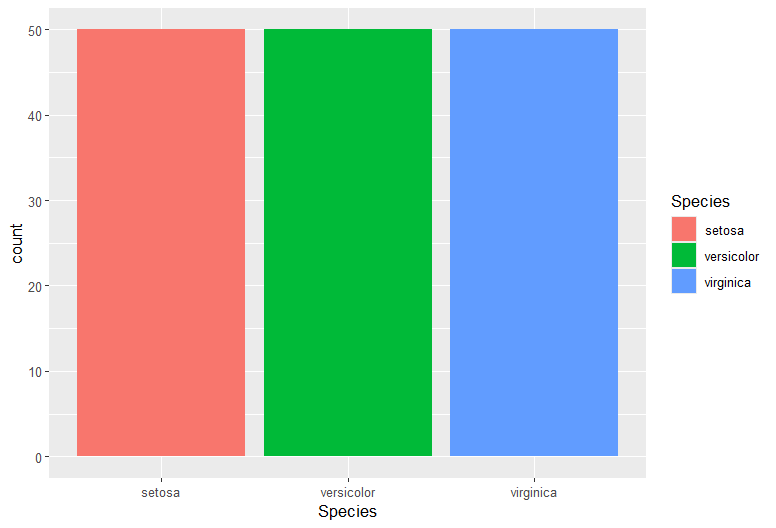


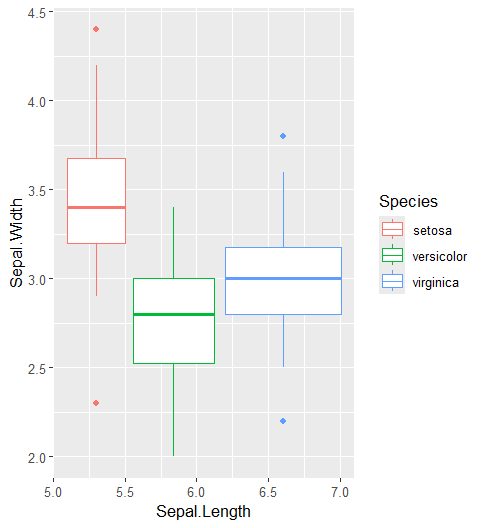
ggplot(chicken, aes(x = Time, y = Weight, color = Chick)) + geom\_line()

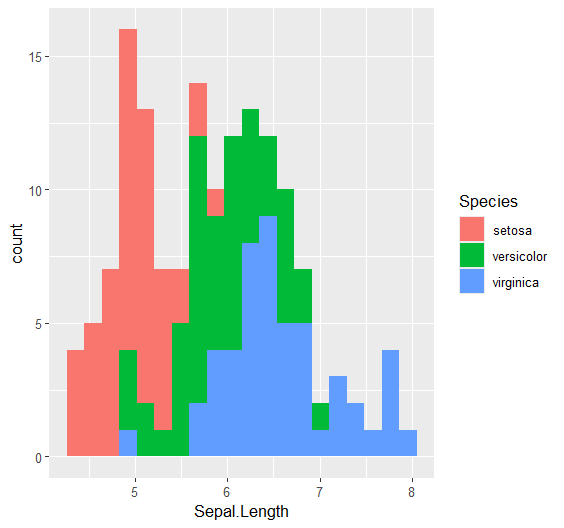


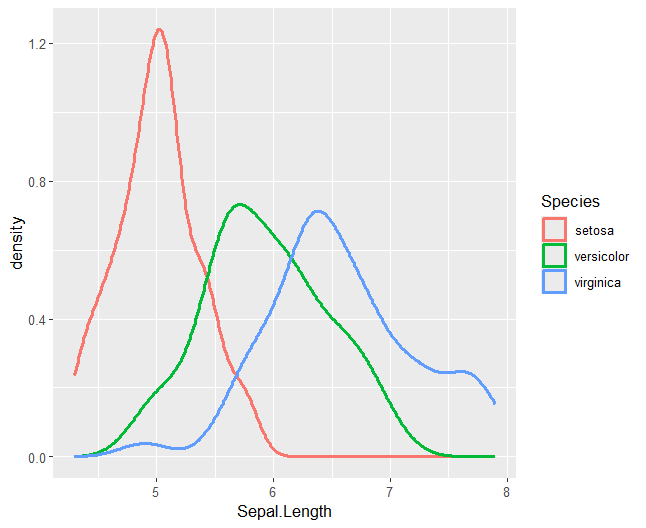
ggplot(irises, aes(x = Sepal.Length, y = Sepal.Width, color = Species)) + geom\_point(size = 3)

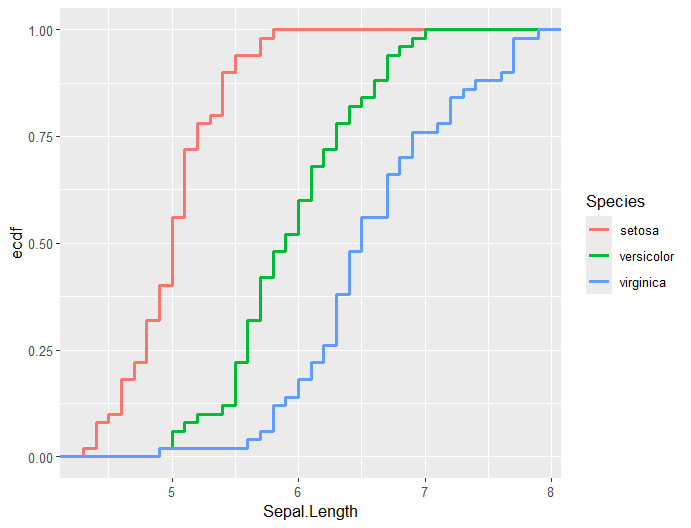
ggplot(irises, aes(x = Species, fill = Species)) + geom\_bar()

ggplot(filter(irises, Sepal.Lenght >5.5), aes(x = Species, fill = Species)) + geom\_bar()

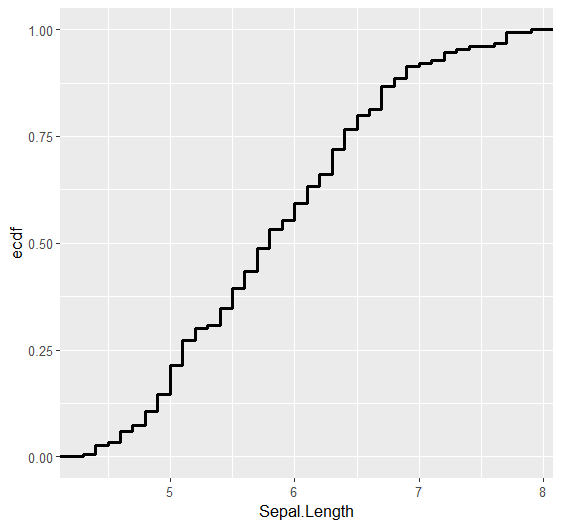
ggplot(irises, aes(x = Sepal.Length, y = Sepal.Width, color = Species)) + geom\_boxplot()

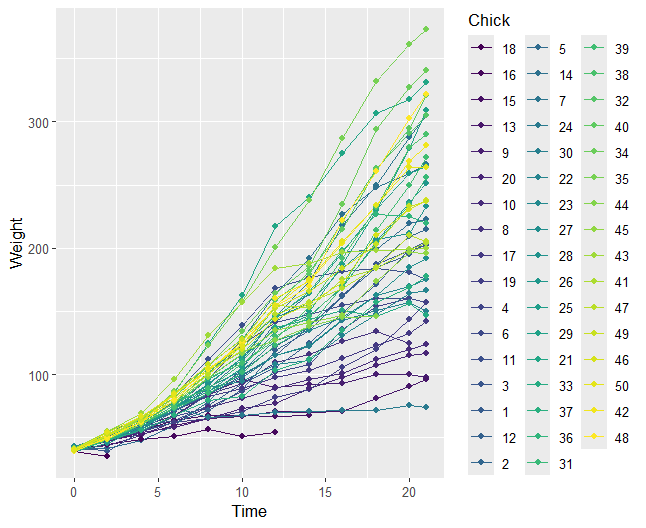
ggplot(irises, aes(x = Sepal.Length, fill = Species)) + geom\_histogram(bins = 20)

ggplot(irises, aes(x = Sepal.Length, color = Species)) + geom\_density(size = 1)

ggplot(irises, aes(x = Sepal.Length, color = Species)) + stat\_ecdf(size = 1)

ggplot(irises, aes(x = Sepal.Length)) + stat\_ecdf(size = 1)



ggplot(data = chicken, aes(x = Time, y = Weight, color = Chick)) + geom\_line() + geom\_point()

ggplot(chicken, aes(x = Time, y = Weight, color = Chick)) + geom\_line() +

facet\_wrap(facets = vars(Diet), nrow = 2, ncol = 2)