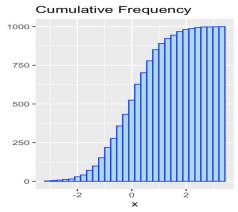
Histogram

base R:

hist(v,main,xlab,xlim,ylim,breaks,col,border)

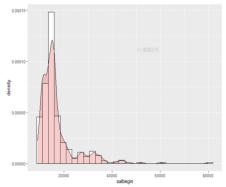
ggplot2:

ggplot(df, aes(x)) +
geom_histogram(color,fill,binwidth)



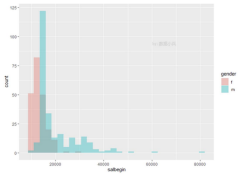
Cumulative frequency histogram

ggplot(df, aes(x = x)) +
geom_histogram(aes(y = cumsum(..count..)),color = "blue", fill = "lightblue") +
ggtitle("Cumulative Frequency")



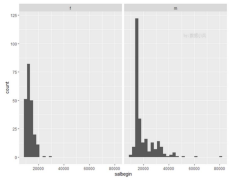
Histograms and Density Plots

ggplot(df,aes(x=x))+
geom_histogram(aes(y =..density..), col,fill)+
geom_density()



Histogram by group

ggplot(df,aes(x=x,fill=group))+
geom_histogram



Panel histogram

ggplot(df,aes(x))+
geom_histogram()+
facet_grid(.~y)
y:the variable that group

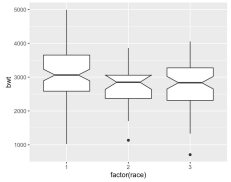
Boxplot

base R:

boxplot(x,data, xlab,ylab,main)

ggplot2:

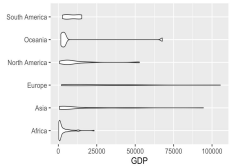
ggplot(df, aes(x y)) +
geom_boxplot()+coord_flip() (Transpose)



Notched boxplot

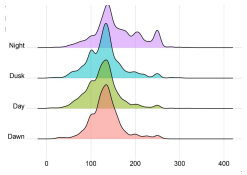
ggplot(df, aes(x,y)) +
geom_boxplot(notch = TRUE)

Violin Plot



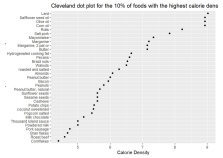
ggplot(df, aes(x,y)) +
geom_violin()

Ridgeline Plot



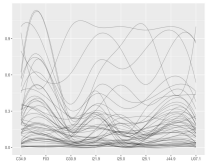
ggplot(df, aes(x,y)) +
geom_density_ridges()

Cleveland Dot Plot



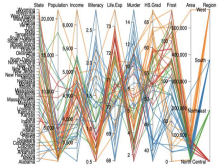
ggplot(df, aes(x,y)) +
geom_point()

Parallel Coordinates Plot



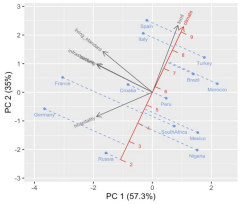
GGally::ggparcoord(
df,columns=m:n,alphaLines, scale,splineFactor)

Interactive Parcoords Plot



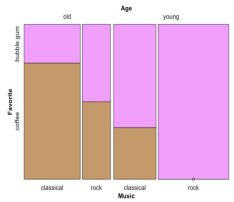
parcoords(df,brushMode, reorderable,color=list(colorBy,colorScale, colorScheme),withD3 = TRUE)

Biplot



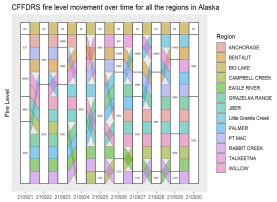
draw_biplot(df,'calibrated axis', project = FALSE)

Mosaic Plot



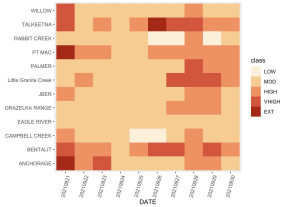
mosaic(x ~ variable,df,direction, highlighting_fill,rot_labels)

Ggalluvial



ggplot(df, aes(x,y,stratum ,alluvium)) +
geom_alluvium(aes(fill),color)+
geom_stratum()+geom_label()

Heatmap



ggplot(df,aes(x,y)+
geom_tile(fill)

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CHEAT SHEET