Mona theme

theme\_x <- function(){theme\_bw(base\_size=12, base\_family="") %+replace%theme(panel.background = element\_blank(),plot.background = element\_rect(fill="#F5F8F2", colour=NA), legend.background = element\_rect(fill="transparent", colour=NA), legend.key = element\_rect(fill="transparent", colour=NA),panel.border = element\_rect(fill = NA, colour = NA), panel.grid.major = element\_line(colour = NA, size = 0.2), panel.grid.minor = element\_line(colour = NA, size = 0.5))}

scale\_fill\_mona <- function(){scale\_fill\_manual(values = c("#d2ccb8","#ac9b90","#8e7470", "#775a5f","#5b404e"))}

antiquity <- c("#e8d8a5", "#de9a28", "#d26730", "#f1866c", "#e55d4d","#8aa7ac", "#707b88", "#8e9257", "#5d7557", "#e8be82", "#e89f6e", "#b16b4a","#6d3d29", "#452923")

artichoke <- c(“#989871”, “#cdc37a”, “#b67c7f”, “#0b6a6f”, “#4b1b1f”, “#a21f16”, “#FF781F”)

tangerine <- c("#be5a20", "#F8B262", "#7DCFB6", "#00C6E0", "#DD5E98", "#972056", "#1D4E89")

tangerine <- c("#be5a20", "#F8B262", "#7DCFB6", "#00C6E0", "#DD5E98", "#a8245f", "#2769B9")

**Matcha (colorblind compatible)**

matcha <- c("#A1C186", "#47EAFF", "#EEAAC9", "#829FC4", "#FBCF9D","#A6DDCE","#C7B4CF", "#54BEDE", "#DF689D", "#D1CBC7")

scale\_color\_matcha\_d <- function(){scale\_color\_manual(values = matcha)}

scale\_fill\_matcha\_d <- function(){scale\_fill\_manual(values = matcha)}

scale\_color\_matcha\_c <- function(){scale\_color\_gradientn(colours = c("#7DCFB6","#00C6E0","#DD5E98"))}

scale\_fill\_matcha\_c <- function(){scale\_fill\_gradientn(colours = c("#7DCFB6","#00C6E0","#DD5E98"))}

theme\_matcha <- function(){theme(text = element\_text(size = 12, family = ""),   
panel.background = element\_blank(),  
plot.background = element\_rect(fill="#F5F8F2", colour=NA),   
plot.title = element\_text(size = 14, hjust = 0.5, colour = "grey40", margin = unit(c(2, 2, 1, 2), "mm")),   
plot.subtitle = element\_text(size = 12, hjust = 0.5, colour = "grey48", margin = unit(c(0, 2, 4, 2), "mm")),   
plot.caption = element\_text(size = 12, hjust = 1, colour = "grey48", margin = unit(c(4, 0, 0, 0), "mm")),  
legend.background = element\_rect(fill="transparent", colour = NA),  
legend.key = element\_rect(fill="transparent", colour="NA"),   
legend.text = element\_text(colour = "grey60"),   
legend.title = element\_text(colour = "grey40"),  
  
panel.border = element\_blank(),  
panel.grid.major = element\_line(colour = "#CADCBC", size = 0.05),  
panel.grid.minor = element\_blank(),  
  
axis.ticks = element\_blank(),

axis.text.x= element\_text(colour = "grey60"),   
axis.text.y= element\_text(colour = "grey60"),   
axis.title.x = element\_text(colour = "grey40", margin = unit(c(3, 3, 3, 3), "mm")),   
axis.title.y= element\_text(colour = "grey40",angle = 90, margin = unit(c(3, 3, 3, 3), "mm")),   
strip.background = element\_rect(fill = "#E0EAD7", colour = NA),   
strip.text = element\_text(colour = "grey48"),   
plot.margin = margin(t = 3, r = 3, b = 3, l = 3, unit = "mm"),   
panel.spacing = unit(3, "mm"),   
complete = TRUE)}

FULLVIZ

theme\_matcha\_viz <- function(){theme\_bw(base\_size=10, base\_family="") %+replace%theme(panel.background = element\_blank(), plot.title = element\_text(colour = "grey40"), plot.background = element\_rect(fill="#F5F8F2", colour=NA), legend.position = "none", panel.border = element\_rect(fill = NA, colour = NA), panel.grid.major = element\_line(colour = NA),panel.grid.minor = element\_line(colour = NA, size = 0.5), axis.text.x=element\_blank(), axis.ticks.x=element\_blank(), axis.text.y=element\_blank(), axis.title.x = element\_blank(), axis.ticks.y=element\_blank(), axis.title.y = element\_blank(), strip.background = element\_rect(fill = "#EAF1E4", colour =NA) )}

matcha original - c("#be5a20", "#F8B262", "#7DCFB6", "#00C6E0", "#DD5E98", "#a8245f", "#2769B9")

matcha 10col <- c("#A6DDCE", "#61edff", "#EEAAC9", "#829FC4", "#FBCF9D","#A1C186","#C7B4CF", "#54BEDE", "#DF689D", "#D1CBC7")

TEST PLOTS

ggplot(faithfuld) + geom\_point(aes(density, eruptions, col = eruptions))

ggplot(mpg, aes(x = displ, y = hwy)) + geom\_point(aes(col = class),size = 3)

ggplot(diamonds) + geom\_point(aes(carat, price, col = price)) + facet\_wrap(~clarity)

ggplot(mpg, aes(x = class)) + geom\_bar(aes(fill = class),size = 3)

ggplot(mpg) + geom\_bar(aes(class, fill = drv),position = "dodge")

ggplot(diamonds, aes(x = clarity, fill = cut)) + geom\_bar()

ggplot(USArrests) + geom\_line(aes(Murder, Assault, col = Murder), size = 0.7)

ggpairs(iris, aes(col = Species))

**random scales**

scale\_color\_apricot\_c <- function(){scale\_color\_gradientn(colours = c("#8E87C0", "#F292B8","#F1D860"))}

scale\_color\_apricot\_c <- function(){scale\_color\_gradientn(colours = c("#473144","#AF1B3F","#EFC69B"))}

new <- c("#97e0ff", "#9976D0","#3C1B43")

new <- c("#555B6E", "#89B0AE","#BEE3DB")

scale\_new <- function(){scale\_color\_gradientn(colours = new)}

**Apricot (colorblind)**

apricot <- c("#AEA180","#F58EA6", "#FFCE5C","#FFB7C5","#92C8A4", "#A49EBD","#EEB76C","#A57F60", "#DB5A42")

scale\_color\_apricot\_d <- function(){scale\_color\_manual(values = apricot)}

scale\_fill\_apricot\_d <- function(){scale\_fill\_manual(values = apricot)}

scale\_color\_apricot\_c <- function(){scale\_color\_gradientn(colours = c("#AEA180","#F58EA6", "#FFCE5C"))}  
scale\_fill\_apricot\_c <- function(){scale\_fill\_gradientn(colours = c("#AEA180","#F58EA6", "#FFCE5C"))}

theme\_apricot <- function(){

theme(

text = element\_text(size = 12, family = "mono", colour = "#7a6e4e"),

plot.title = element\_text(size = 22, margin = unit(c(3, 3, 0, 3), "mm"), hjust = 0),

plot.subtitle = element\_text(size = 12, colour = "#ba5801", margin = unit(c(0, 2, 4, 2), "mm"), hjust = 0),

plot.caption = element\_text(size = 9, colour = "#ba5801", margin = unit(c(4, 2, 2, 2), "mm"), hjust = 1),

plot.caption.position = "plot",

plot.background = element\_rect(fill = "#fcf8ee", colour = NA),

panel.background = element\_blank(),

legend.background = element\_blank(),

panel.grid.major = element\_line(colour = "#bcb196", linetype = 3),

axis.ticks = element\_blank(),

axis.text = element\_text(size = 8, color = "#7a6e4e"),

axis.title.x = element\_text(margin = unit(c(3, 0, 0, 0),"mm")),

axis.title.y = element\_text(margin = unit(c(0, 3, 0, 0),"mm"), angle = 0, vjust = 0.5),

strip.background = element\_rect(fill = "#F3EACE", colour = NA),

strip.text = element\_text(size = 12, colour = "#7a6e4e"),

complete = TRUE

)

}

FULLVIZ

theme\_apricot\_viz <- function(){

theme(

text = element\_blank(),

rect = element\_blank(),

line = element\_blank(),

legend.position = "none"

)

}

new <- c("#555B6E", "#89B0AE","#BEE3DB")

scale\_new <- function(){scale\_color\_gradientn(colours = new)}

theme\_new <- function(){

theme(

text = element\_text(size = 12, family = "sans", colour = "#63777E"),

plot.title = element\_text(size = 22, margin = unit(c(3, 3, 0, 3), "mm"), hjust = 0),

plot.subtitle = element\_text(size = 12, colour = "#89B0AE", margin = unit(c(0, 2, 4, 2), "mm"), hjust = 0),

plot.caption = element\_text(size = 9, colour = "#D88373", margin = unit(c(4, 2, 2, 2), "mm"), hjust = 1),

plot.caption.position = "plot",

plot.background = element\_rect(fill = "#F6F4F4", colour = NA),

panel.background = element\_blank(),

legend.background = element\_blank(),

legend.title = element\_text(hjust = 0.5),

legend.text = element\_text(size = 9, colour = "#979DAF"),

panel.grid.major = element\_line(colour = "grey90", linetype = 1),

panel.grid.minor = element\_blank(),

axis.ticks = element\_blank(),

axis.text = element\_text(size = 9, color = "#979DAF"),

axis.title.x = element\_text(margin = unit(c(3, 0, 0, 0),"mm")),

axis.title.y = element\_text(margin = unit(c(0, 3, 0, 0),"mm"), angle = 90, vjust = 0.5),

strip.background = element\_rect(fill = "#EDE9E9", colour = NA),

strip.text = element\_text(size = 12, colour = "#D88373"),

complete = TRUE)

}

**Butterfly**

theme\_butterfly <- function(){

theme(

text = element\_text(size = 12, base\_family = ""),

aspect.ratio,

plot.background = "#515152",

plot.title,

plot.title.position,

plot.subtitle,

plot.caption,

plot.caption.position,

plot.tag,

plot.tag.position,

plot.margin,

panel.background,

panel.border,

panel.spacing,

panel.spacing.x,

panel.spacing.y,

panel.grid,

panel.grid.major,

panel.grid.minor,

panel.grid.major.x,

panel.grid.major.y,

panel.grid.minor.x,

panel.grid.minor.y,

panel.ontop,

axis.title,

axis.title.x,

axis.title.x.top,

axis.title.x.bottom,

axis.title.y,

axis.title.y.left,

axis.title.y.right,

axis.text,

axis.text.x,

axis.text.x.top,

axis.text.x.bottom,

axis.text.y,

axis.text.y.left,

axis.text.y.right,

axis.ticks,

axis.ticks.x,

axis.ticks.x.top,

axis.ticks.x.bottom,

axis.ticks.y,

axis.ticks.y.left,

axis.ticks.y.right,

axis.ticks.length,

axis.ticks.length.x,

axis.ticks.length.x.top,

axis.ticks.length.x.bottom,

axis.ticks.length.y,

axis.ticks.length.y.left,

axis.ticks.length.y.right,

axis.line,

axis.line.x,

axis.line.x.top,

axis.line.x.bottom,

axis.line.y,

axis.line.y.left,

axis.line.y.right,

legend.background,

legend.margin,

legend.spacing,

legend.spacing.x,

legend.spacing.y,

legend.key,

legend.key.size,

legend.key.height,

legend.key.width,

legend.text,

legend.text.align,

legend.title,

legend.title.align,

legend.position,

legend.direction,

legend.justification,

legend.box,

legend.box.just,

legend.box.margin,

legend.box.background,

legend.box.spacing,

strip.background,

strip.background.x,

strip.background.y,

strip.placement,

strip.text,

strip.text.x,

strip.text.y,

strip.switch.pad.grid,

strip.switch.pad.wrap,

...,

complete = FALSE,

validate = TRUE

)

}

**stuff**

scale\_color\_apricot\_c <- function(){scale\_color\_gradientn(colours = c("#AEA180","#F58EA6", "#FFCE5C"))}

theme\_macaron <- function(){

theme(

text = element\_text(size = 12, base\_family = ""),

aspect.ratio,

plot.background,

plot.title,

plot.title.position,

plot.subtitle,

plot.caption,

plot.caption.position,

plot.tag,

plot.tag.position,

plot.margin,

panel.background,

panel.border,

panel.spacing,

panel.spacing.x,

panel.spacing.y,

panel.grid,

panel.grid.major,

panel.grid.minor,

panel.grid.major.x,

panel.grid.major.y,

panel.grid.minor.x,

panel.grid.minor.y,

panel.ontop,

axis.title,

axis.title.x,

axis.title.x.top,

axis.title.x.bottom,

axis.title.y,

axis.title.y.left,

axis.title.y.right,

axis.text,

axis.text.x,

axis.text.x.top,

axis.text.x.bottom,

axis.text.y,

axis.text.y.left,

axis.text.y.right,

axis.ticks,

axis.ticks.x,

axis.ticks.x.top,

axis.ticks.x.bottom,

axis.ticks.y,

axis.ticks.y.left,

axis.ticks.y.right,

axis.ticks.length,

axis.ticks.length.x,

axis.ticks.length.x.top,

axis.ticks.length.x.bottom,

axis.ticks.length.y,

axis.ticks.length.y.left,

axis.ticks.length.y.right,

axis.line,

axis.line.x,

axis.line.x.top,

axis.line.x.bottom,

axis.line.y,

axis.line.y.left,

axis.line.y.right,

legend.background,

legend.margin,

legend.spacing,

legend.spacing.x,

legend.spacing.y,

legend.key,

legend.key.size,

legend.key.height,

legend.key.width,

legend.text,

legend.text.align,

legend.title,

legend.title.align,

legend.position,

legend.direction,

legend.justification,

legend.box,

legend.box.just,

legend.box.margin,

legend.box.background,

legend.box.spacing,

strip.background,

strip.background.x,

strip.background.y,

strip.placement,

strip.text,

strip.text.x,

strip.text.y,

strip.switch.pad.grid,

strip.switch.pad.wrap,

...,

complete = FALSE,

validate = TRUE

)