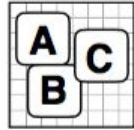


Two Variables

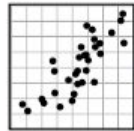
Continuous X, Continuous Y

```
e <- ggplot(mpg, aes(cty, hwy))
```



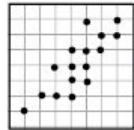
e + geom_label(aes(label = cty), nudge_x = 1, nudge_y = 1, check_overlap = TRUE)

x, y, label, alpha, angle, color, family, fontface, hjust, lineheight, size, vjust



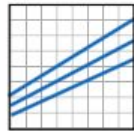
e + geom_jitter(height = 2, width = 2)

x, y, alpha, color, fill, shape, size



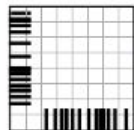
e + geom_point()

x, y, alpha, color, fill, shape, size, stroke



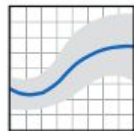
e + geom_quantile()

x, y, alpha, color, group, linetype, size, weight



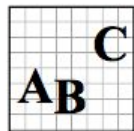
e + geom_rug(sides = "bl")

x, y, alpha, color, linetype, size



e + geom_smooth(method = lm)

x, y, alpha, color, fill, group, linetype, size, weight



e + geom_text(aes(label = cty), nudge_x = 1, nudge_y = 1, check_overlap = TRUE)

x, y, label, alpha, angle, color, family, fontface,

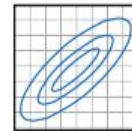
Continuous Bivariate Distribution

```
h <- ggplot(diamonds, aes(carat, price))
```



h + geom_bin2d(binwidth = c(0.25, 500))

x, y, alpha, color, fill, linetype, size, weight



h + geom_density2d()

x, y, alpha, colour, group, linetype, size

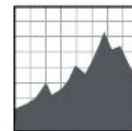


h + geom_hex()

x, y, alpha, colour, fill, size

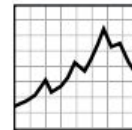
Continuous Function

```
i <- ggplot(economics, aes(date, unemploy))
```



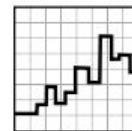
i + geom_area()

x, y, alpha, color, fill, linetype, size



i + geom_line()

x, y, alpha, color, group, linetype, size



i + geom_step(direction = "hv")

x, y, alpha, color, group, linetype, size