

Style Guide

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This style guide is for tables and graphs that will be used in blog posts. The styling matches that found in OpenIntro Statistics and Intro to Modern Statistics. The only additional package that you may need to install is `kableExtra`.

Tables

For tables, add these two lines of code to the end of your pipe sequence.

```
kbl(linesep = "", booktabs = TRUE, align = "lcccccc", caption = "") %>%
  kable_styling(bootstrap_options = c("striped", "condensed"),
                latex_options = c("striped", "hold_position"))
```

Edit the **align** argument to match the number of columns in your table. The first column should always be left aligned and all others columns should be centered.

Example from the Datasaurus blog post.

```
datasaurus %>%
  filter(dataset == "dino") %>%
  summarise(
    n = n(),
    mean_x = mean(x),
    sd_x = sd(x),
    mean_y = mean(y),
    sd_y = sd(y),
    cor_xy = cor(x, y),
    beta_coef = cov(x, y)/var(x)
  ) %>%
kbl(linesep = "", booktabs = TRUE, align = "lcccccc", caption = "") %>%
  kable_styling(bootstrap_options = c("striped", "condensed"),
                latex_options = c("striped", "hold_position"))
```

Table 1:

n	mean_x	sd_x	mean_y	sd_y	cor_xy	beta_coef
142	54.26327	16.76514	47.83225	26.9354	-0.0644719	-0.1035825

Graphs

For graphs, use **theme_minimal** and colors from the IMS color palette (a part of the `openintro` package).

Example from the Airline Delays blog post

```
ggplot(airline_delay, aes(arr_flights, arr_del15, color = factor(year)))+
  geom_point(alpha = 0.5, na.rm = TRUE)+
```

```

theme_minimal()+
scale_color_manual(values = c(IMSCOL["blue","full"], IMSCOL["red", "full"]))+
labs(
  title = "Arrival vs delayed flights by year",
  x = "Number of arrival flights",
  y = "Number of flights delayed by more than 15 mins",
  color = "Year"
)

```

