# corridor_report

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7/18/2020

## R Markdown

This is an R Markdown document. Markdown is a simple formatting syntax for authoring HTML, PDF, and MS Word documents. For more details on using R Markdown see http://rmarkdown.rstudio.com.

When you click the **Knit** button a document will be generated that includes both content as well as the output of any embedded R code chunks within the document. You can embed an R code chunk like this:

```
#apc_data <- read.csv("./data/combined_apc_dataset.csv") %>%  mutate(stop_id = paste0(agency_id, stop_i
#stop_list <- c(14084, 14085, 14086, 14088, 14089, 131)
#trip_dat <- suppressWarnings(find_trip_dat_v2(apc_data, stop_list))
#print(trip_dat)
#
# analytics <- analyze_segment(trip_dat)
# print(analytics)
#
# analytics_table <- renderTable(analytics)
#
# route_analytics <- analyze_segment_route(trip_dat)
# analytics_route_table <- renderTable(route_analytics)
#
#
# binned_analytics <- suppressWarnings(analyze_segment_hourbin(trip_dat))
# print(binned_analytics)
#
# analyticsB_table <- renderTable(binned_analytics)
#
# hourly_analytics <- suppressWarnings(analyze_segment_hourly(trip_dat))
#
# analyticsC_table <- renderReactable({
#     reactable(hourly_analytics, columns = list(
#         trip_hour = colDef(filterable = TRUE))
#     )
# })
#
# hourly_route_analytics <- suppressWarnings(analyze_segment_route_hourly(trip_dat))
#
# analyticsD_table <- renderReactable({
#     reactable(hourly_route_analytics, groupBy = "trip_hour",
#               columns = list(
#                 trip_hour = colDef(filterable = TRUE),
#                 route_id = colDef(filterable = TRUE, aggregate = "unique"),
#                 daily_ridership = colDef(filterable = TRUE, aggregate = "sum"),
```

```
#                 trips = colDef(filterable = TRUE, aggregate = "sum"),
#                 service_hours = colDef(filterable = TRUE, aggregate = "sum"),
#                 avg_segment_speed = colDef(filterable = TRUE),
#                 avg_speed_10_pct = colDef(filterable = TRUE),
#                 avg_speed_90_pct = colDef(filterable = TRUE)
#             )
#     )
# })
#
# hourly_route_direction_analytics <- suppressWarnings(analyze_segment_route_direction_hourly(trip_dat)
# #print(hourly_route_direction_analytics)
#
# analyticsE_table <- renderReactable({
#     reactable(hourly_route_direction_analytics, groupBy = "trip_hour",
#               columns = list(
#                   trip_hour = colDef(filterable = TRUE),
#                   route_id = colDef(filterable = TRUE, aggregate = "unique"),
#                   daily_ridership = colDef(filterable = TRUE, aggregate = "sum"),
#                   trips = colDef(filterable = TRUE, aggregate = "sum"),
#                   service_hours = colDef(filterable = TRUE, aggregate = "sum"),
#                   avg_segment_speed = colDef(filterable = TRUE),
#                   avg_speed_10_pct = colDef(filterable = TRUE),
#                   avg_speed_90_pct = colDef(filterable = TRUE)
#               )
#     )
# })
```

## Including Plots

You can also embed plots, for example:

Note that the `echo = FALSE` parameter was added to the code chunk to prevent printing of the R code that generated the plot.