Premier League Table Points Vs. Position Viz

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Read tables
tableFiles <- list.files(path = "./tables", full.names = TRUE)
seasonTables <- lapply(tableFiles, function(x) {</pre>
 read_csv(x) %>% mutate(Squad = paste(substr(x, 14, 18), Squad, sep = " "))
})
allTables <- bind rows(seasonTables) %>% mutate(Rank = factor(Rank))
Max/Min Points By Each Final Table Position (for labels in plot)
maxPointsLabels <- allTables %>% group by (Rank) %>% arrange (desc(Points), .by group = TRUE) %>% top n(n
minPointsLabels <- allTables %>% group_by(Rank) %>% arrange(desc(Points), .by_group = TRUE) %>% top_n(n
Dot + Box Plot Points vs Final Table Position
theme set(theme bw())
g <- ggplot(data = allTables, mapping = aes(x = Rank, y = Points)) +
  geom_boxplot() +
  geom_dotplot(binaxis = 'y',
               stackdir = 'center',
               dotsize = 1,
               binwidth = 1,
               stackratio = 1,
               fill = "black") +
  geom_text(data = maxPointsLabels, mapping = aes(label = Squad), size = 2.25, vjust = -2) +
  geom_text(data = minPointsLabels, mapping = aes(label = Squad), size = 2.25, vjust = 2.5) +
  scale_y_continuous(breaks = seq(0, 100, 10), minor_breaks = seq(0, 100, 2)) +
  labs(title = "Premier League Historical Results",
       subtitle = "Points vs. Final Table Position: 95-96 Through 18-19 Seasons",
       caption = "Source: fbref.com",
       x = "Final Table Position",
       y = "Points")
aspectRatio <- 2
ggsave(plot = g, height = 10, width = 10 * aspectRatio, device = "png", filename = "Premier_League_Table"
Max/Min Differential By Each Final Table Position (for labels in plot)
maxDiffLabels <- allTables %>% group_by(Rank) %>% arrange(desc(GDiff), .by_group = TRUE) %>% top_n(n =
minDiffLabels <- allTables %>% group_by(Rank) %>% arrange(desc(GDiff), .by_group = TRUE) %>% top_n(n =
Dot + Box Plot Goal Differential vs Final Table Position
theme set(theme bw())
g <- ggplot(data = allTables, mapping = aes(x = Rank, y = GDiff)) +
  geom_boxplot() +
  geom_dotplot(binaxis = 'y',
               stackdir = 'center',
               dotsize = 1,
```