Chatgpt link

<https://chatgpt.com/share/6841b58c-9564-8002-970b-3bd501dbdb41>

code

library(tidyverse)

# 讀取資料

df <- read\_csv("database\_24\_25.csv")

# 計算各球隊總得分

team\_pts <- df %>%

group\_by(Tm) %>%

summarise(total\_points = sum(PTS, na.rm = TRUE))

# 計算各球隊總失分（被當作對手時的得分總和）

team\_lost\_pts <- df %>%

group\_by(Opp) %>%

summarise(total\_lost = sum(PTS, na.rm = TRUE)) %>%

rename(Tm = Opp)

# 合併總得分與總失分

team\_summary <- team\_pts %>%

left\_join(team\_lost\_pts, by = "Tm") %>%

replace\_na(list(total\_lost = 0)) %>%

arrange(desc(total\_points))

# 長條圖比較

team\_summary %>%

pivot\_longer(cols = c(total\_points, total\_lost),

names\_to = "type", values\_to = "score") %>%

ggplot(aes(x = reorder(Tm, -score), y = score, fill = type)) +

geom\_col(position = "dodge") +

labs(title = "各球隊總得分與總失分",

x = "球隊", y = "分數",

fill = "") +

theme\_minimal() +

theme(axis.text.x = element\_text(angle = 45, hjust = 1))