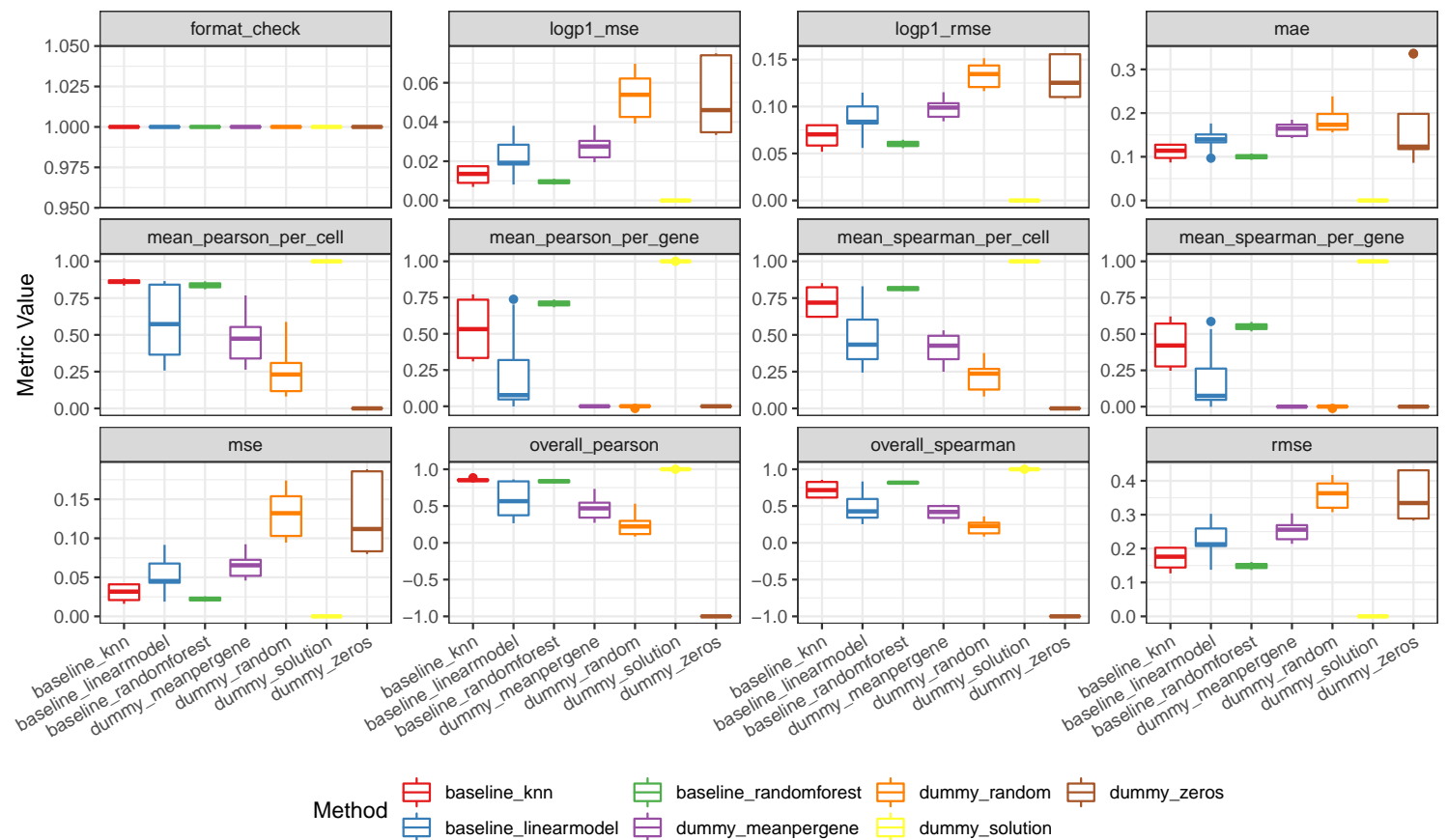
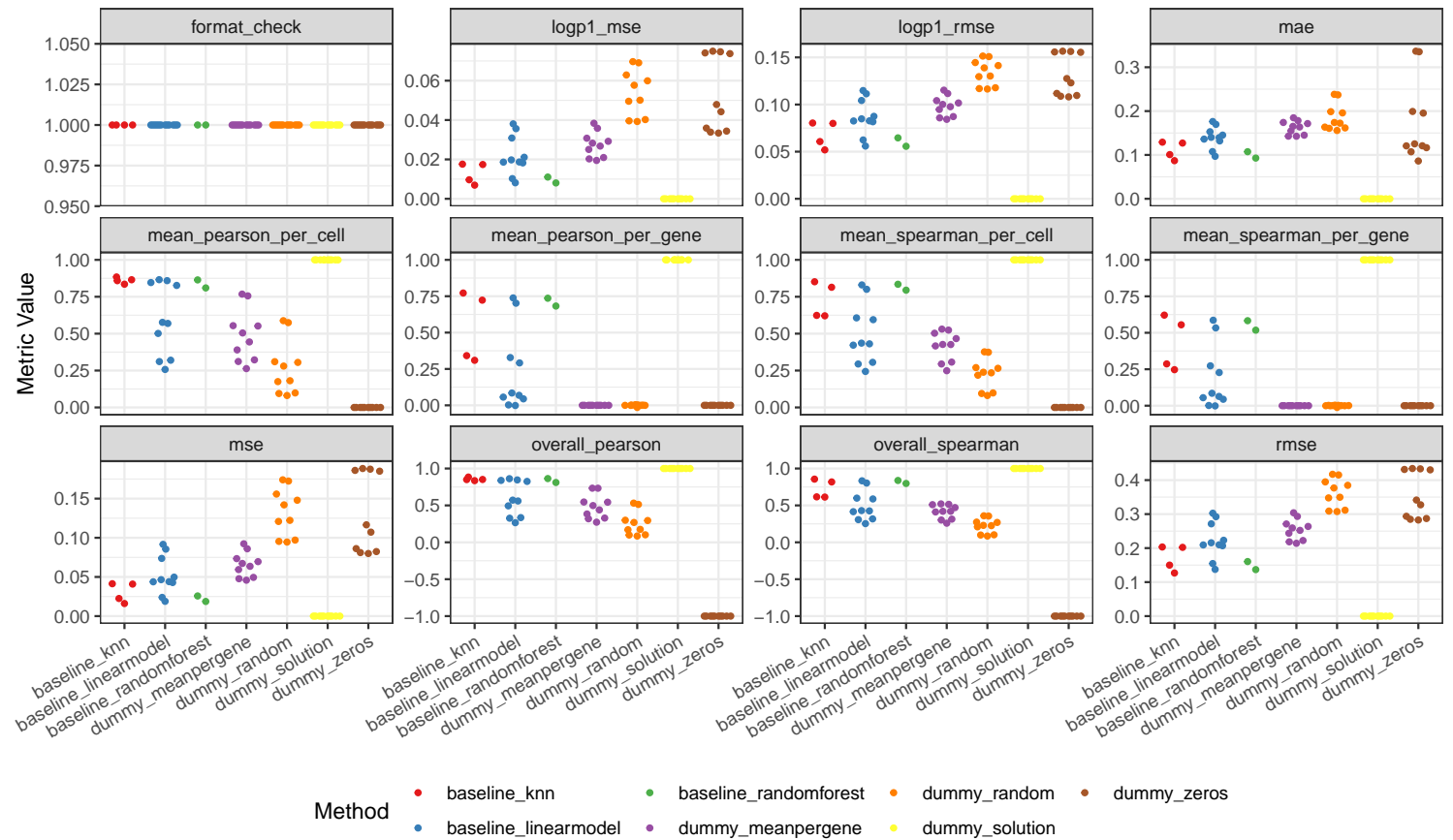


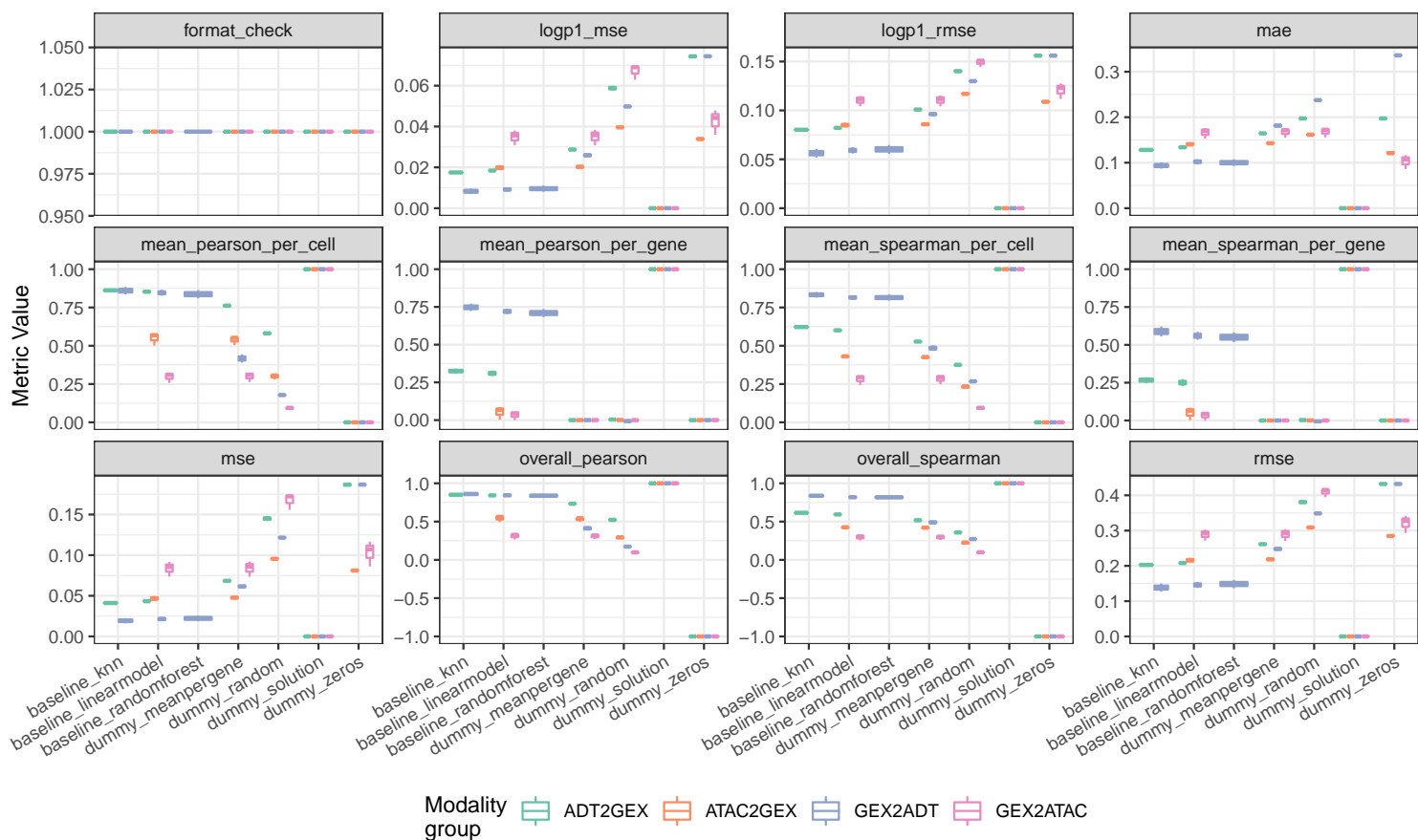
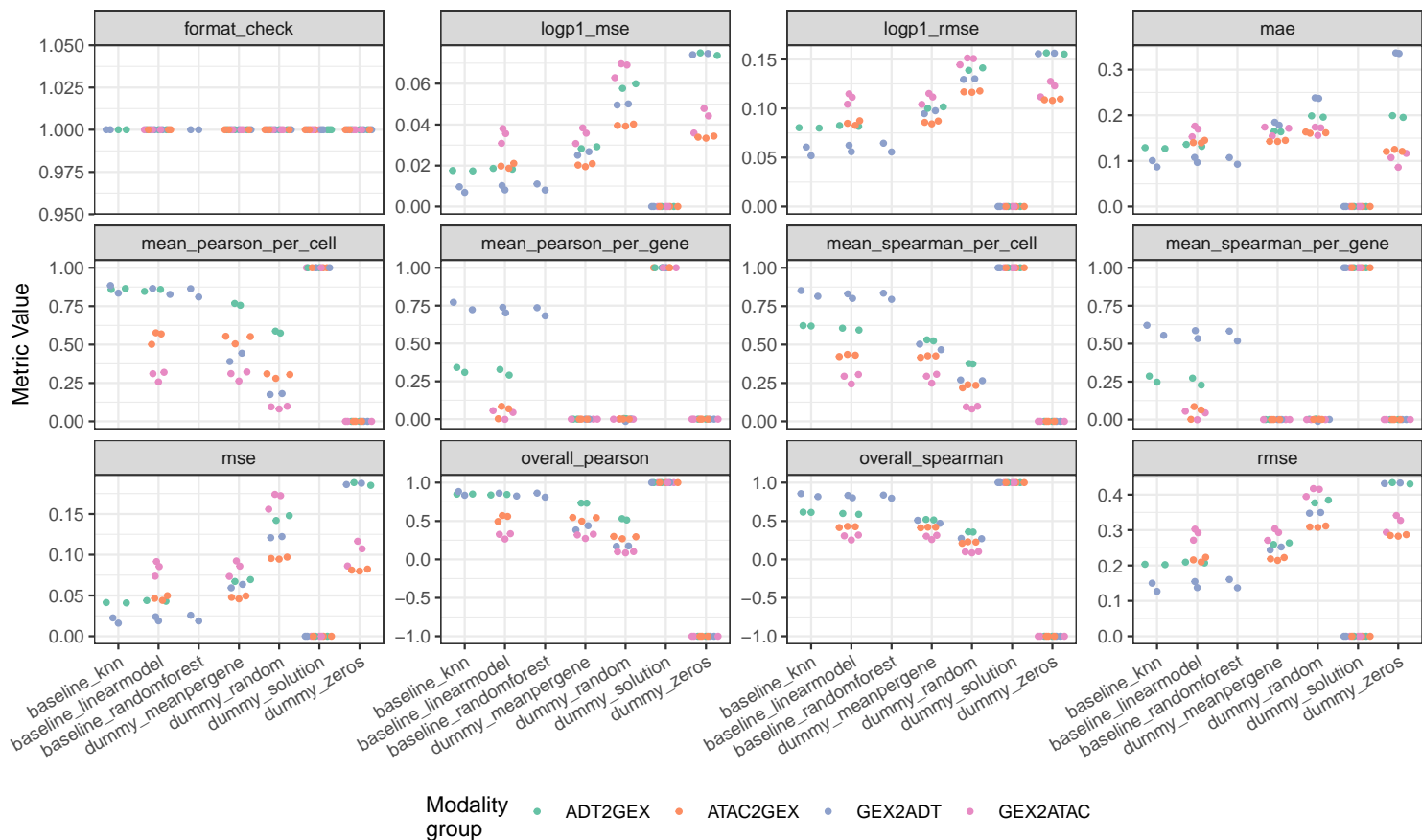
## Predict Modality - Pilot Analysis

## Visualise results

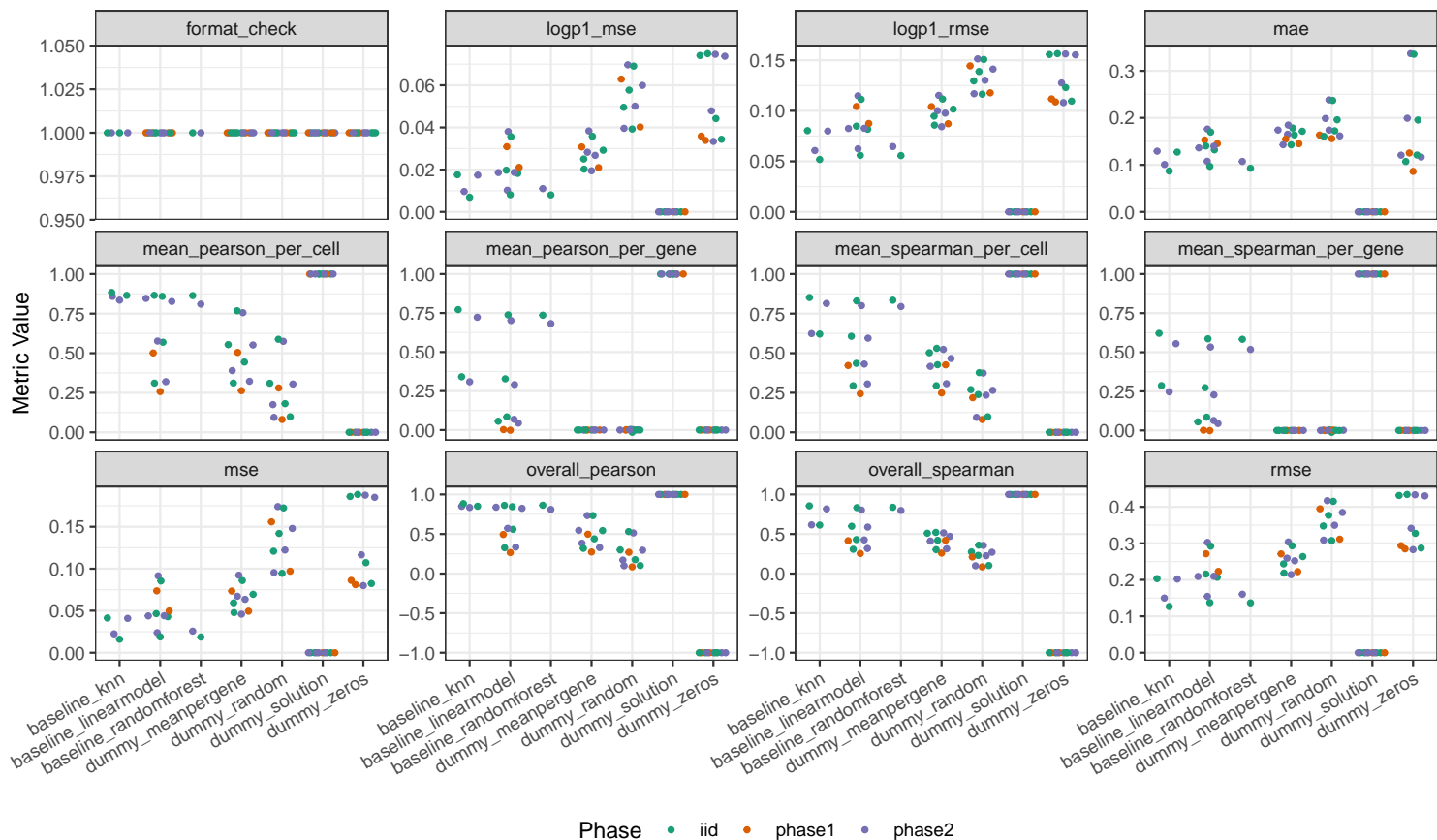
Colour by method.



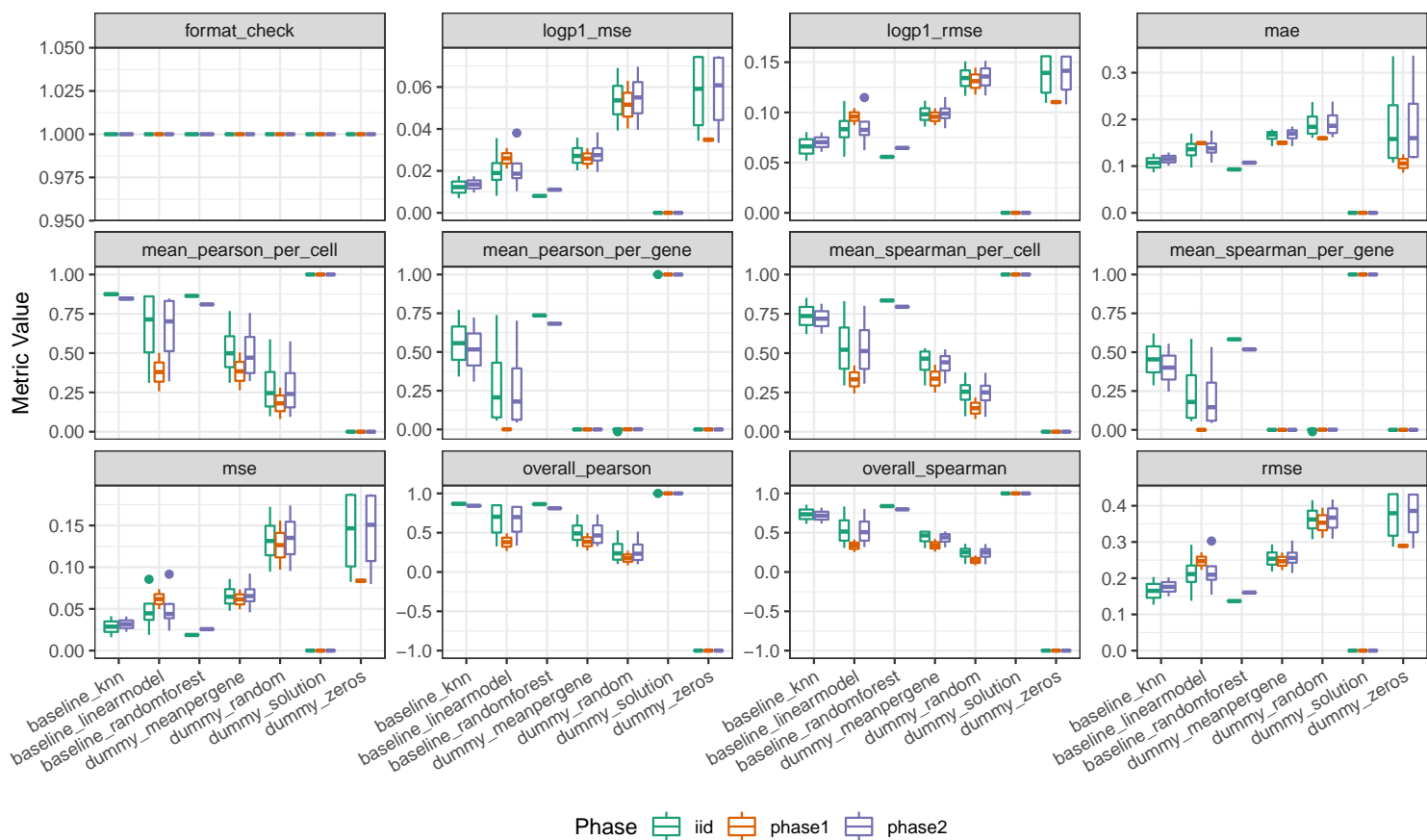
Colour by modality group.



Colour by phase



Phase • iid • phase1 • phase2



Phase  iid  phase1  phase2

Comparing most interesting metrics.

```
selected_metrics <- c("rmse", "mae", "mean_spearman_per_cell", "mean_spearman_per_gene")

plots <-
  crossing(x = selected_metrics, y = selected_metrics) %>%
  filter(x > y) %>%
  pmap(function(x, y) {
    ggplot(df, aes_string(x, y)) + geom_point(aes(colour = method_type)) + labs(x = x, y = y)
  })
GGally::ggpairs(
  df,
  mapping = aes(colour = method_type, fill = method_type),
  columns = selected_metrics,
  diag = list(continuous = "barDiag", discrete = "barDiag", na = "naDiag")
) & theme_bw() &
  scale_colour_brewer(palette = "Set2") &
  scale_fill_brewer(palette = "Set2")

## Registered S3 method overwritten by 'GGally':
##   method from
##   +.gg      ggplot2

## 'stat_bin()' using 'bins = 30'. Pick better value with 'binwidth'.
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```

