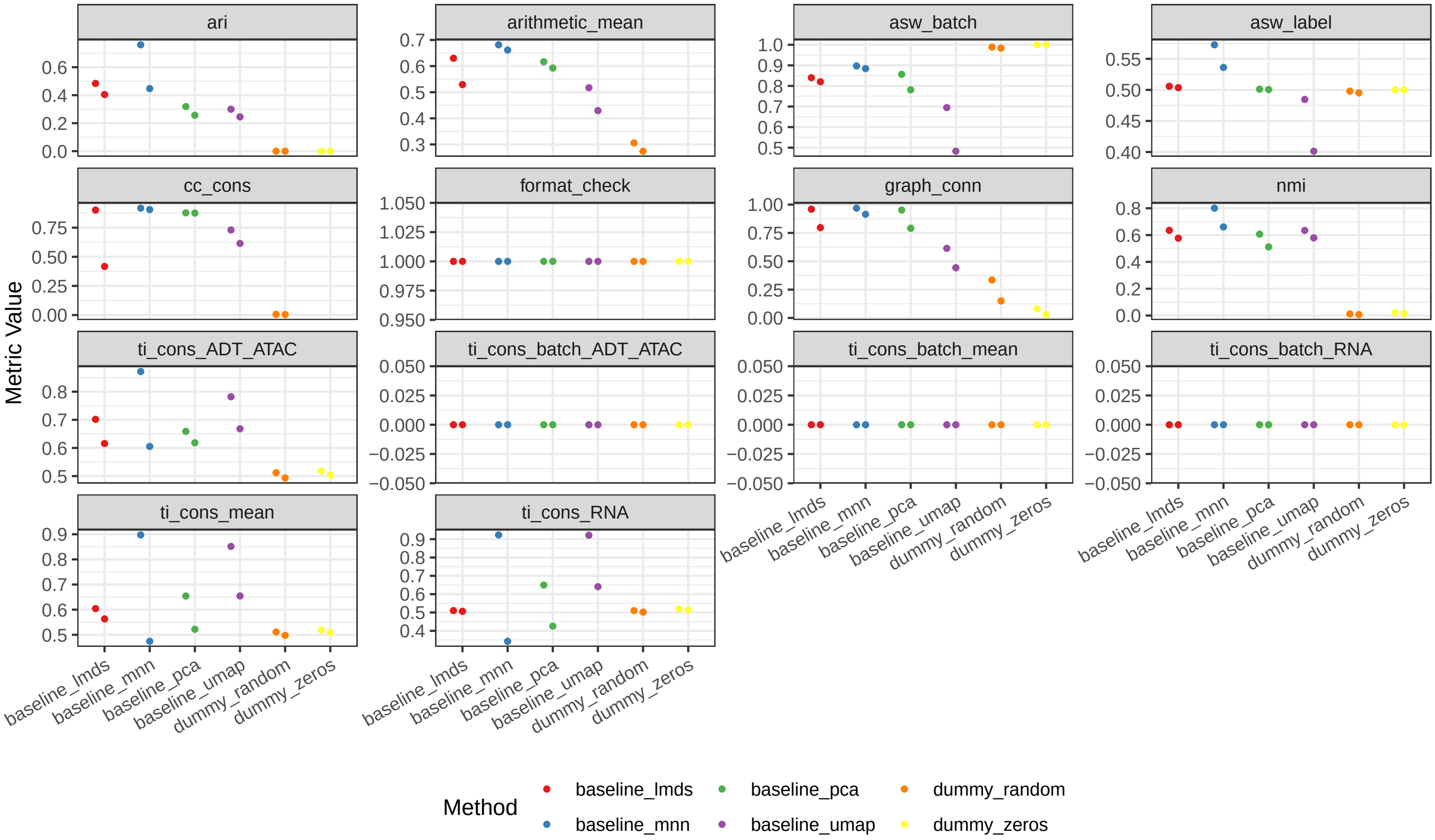
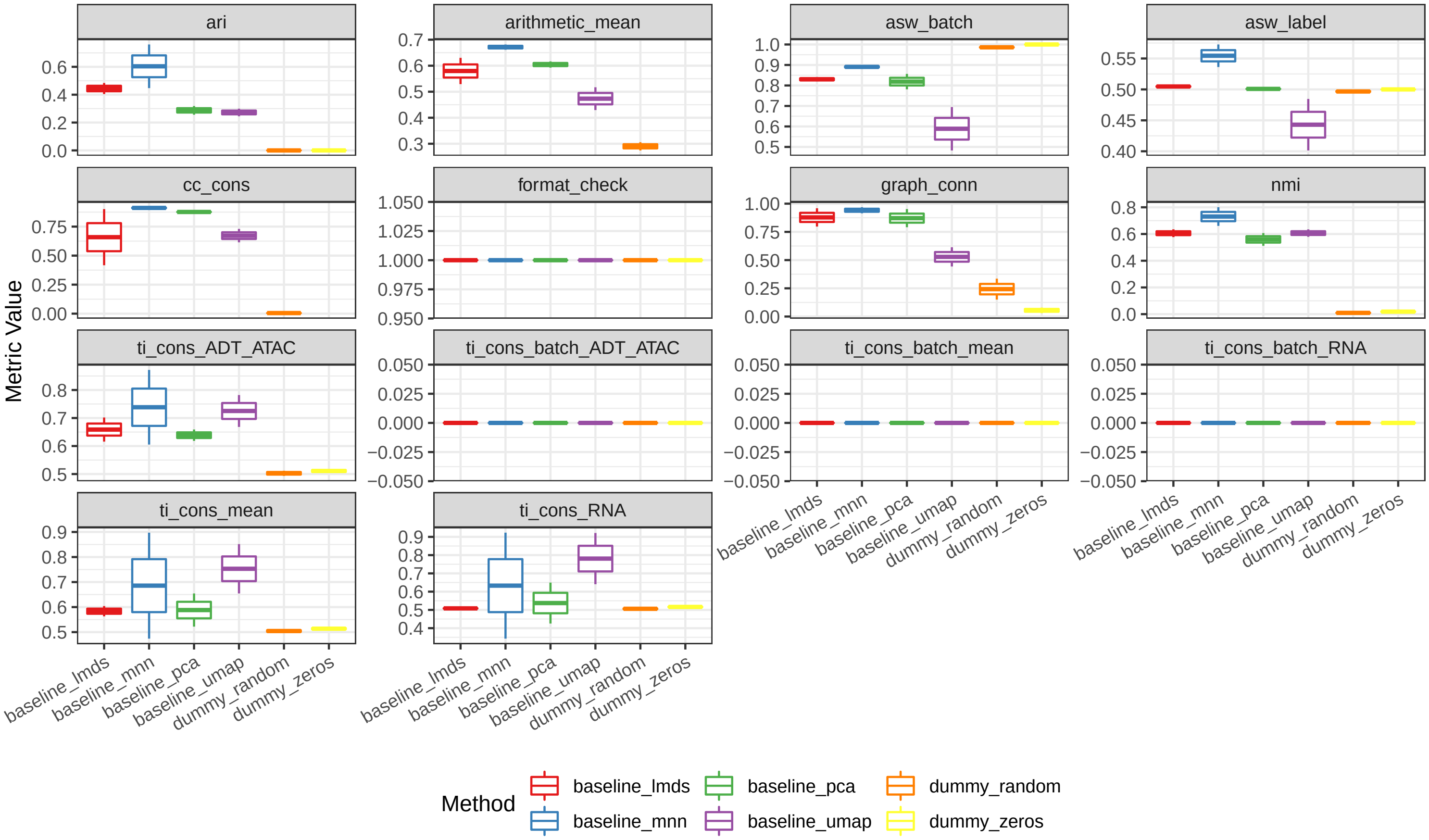
Joint Embedding - Pilot Analysis

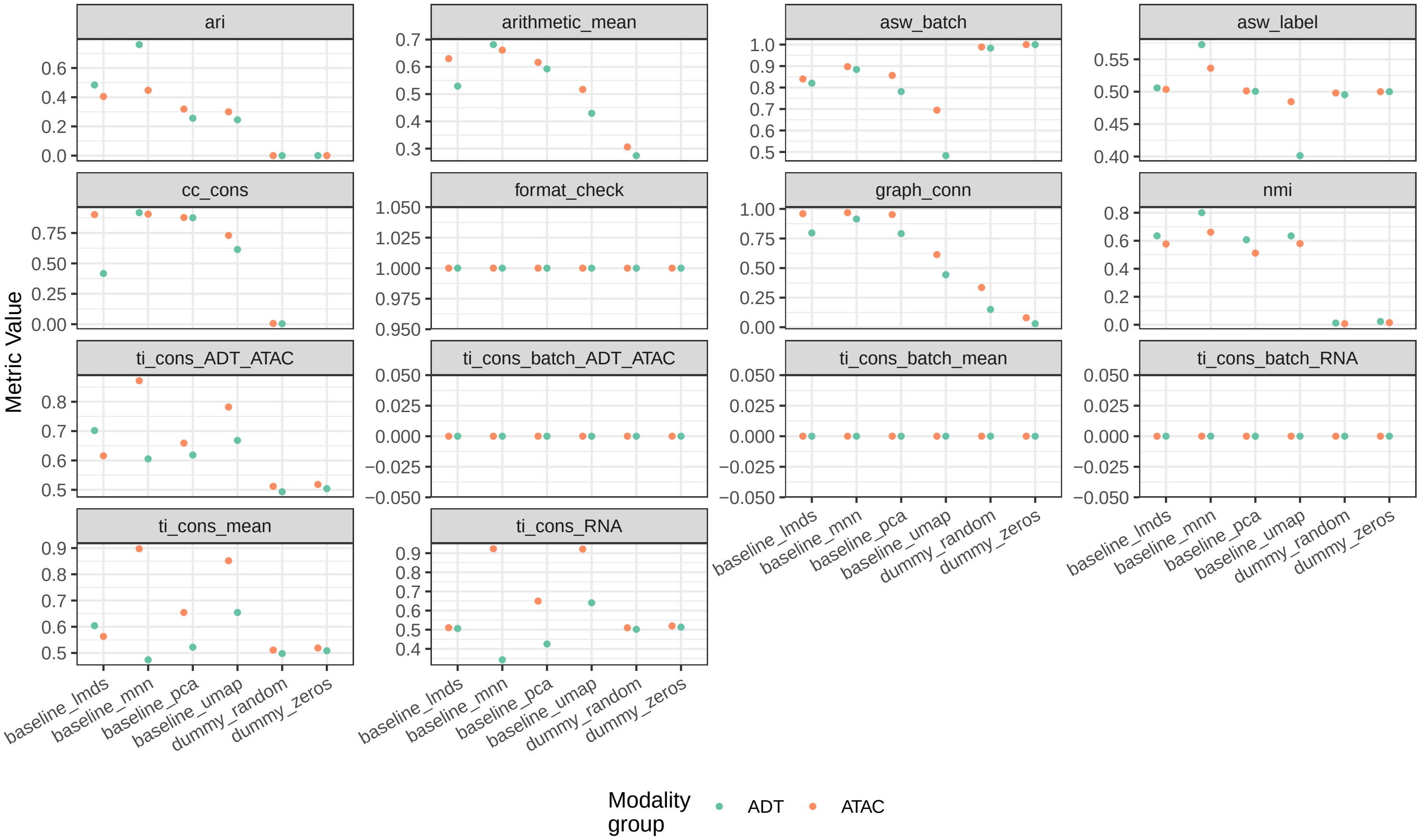
Visualise results

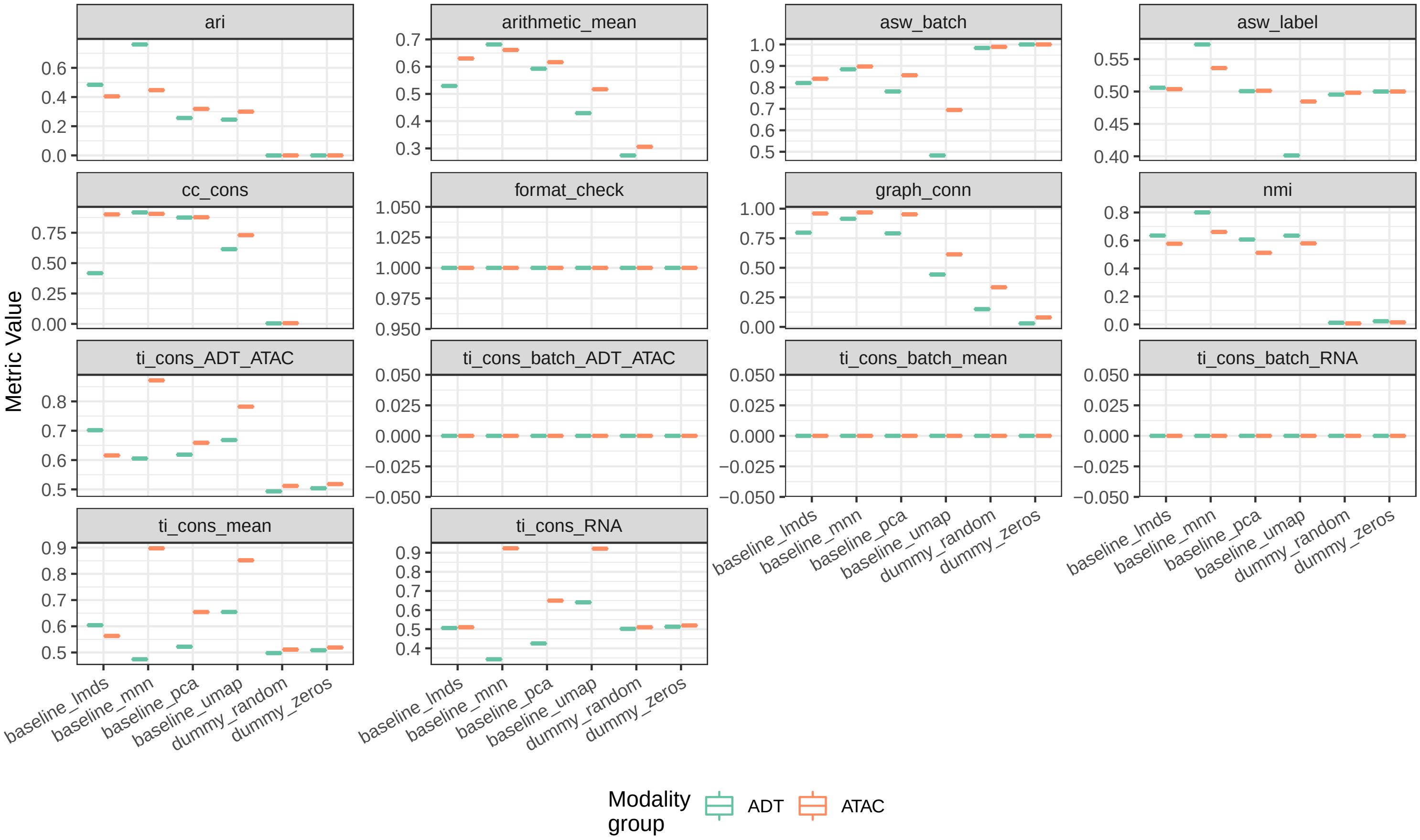
Colour by method.



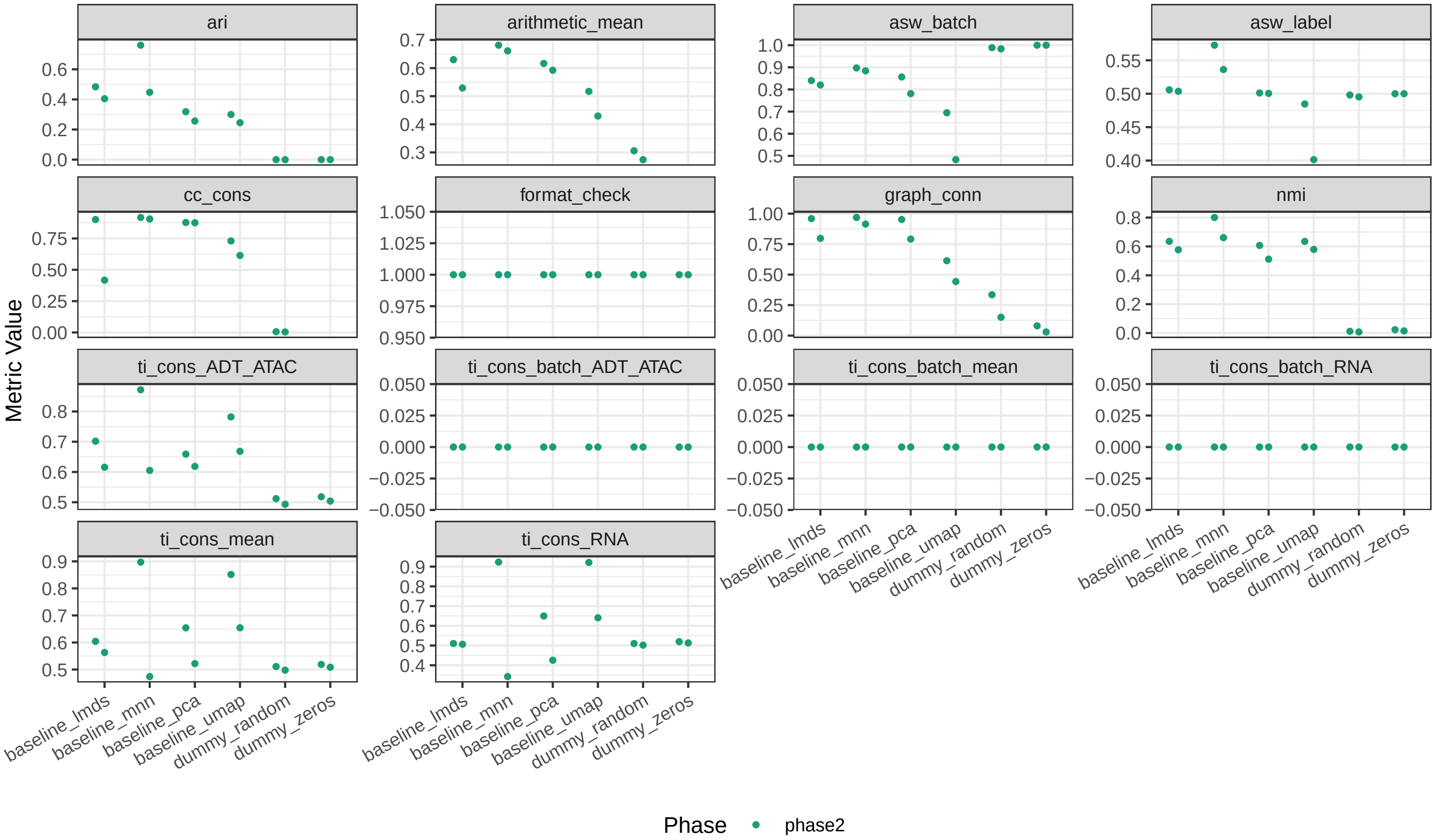


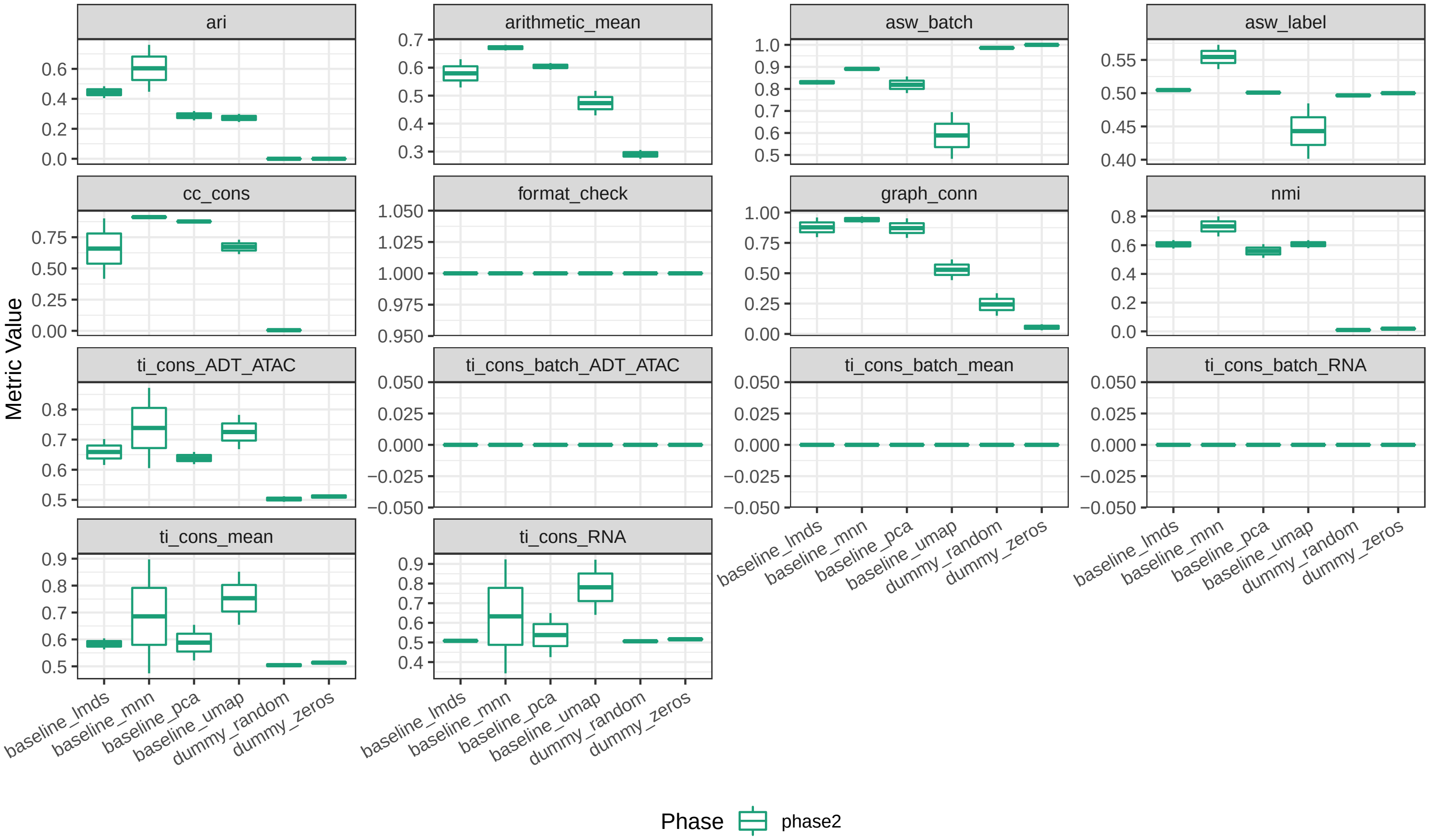
Colour by modality group.





Colour by phase.





Comparing most interesting metrics.

```r
selected_metrics <- c("asw_batch", "asw_label", "cc_cons", "graph_conn", "nmi", "ti_cons_batch_mean", "arithmeti
GGally::ggpairs(
  df,
  mapping = aes(colour = method_type, fill = method_type),
  columns = selected_metrics,
  diag = list(continuous = "barDiag", discrete = "barDiag", na = "naDiag"),
  upper = list(continuous = "na", combo = "na", discrete = "na", na = "na")
) & 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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```

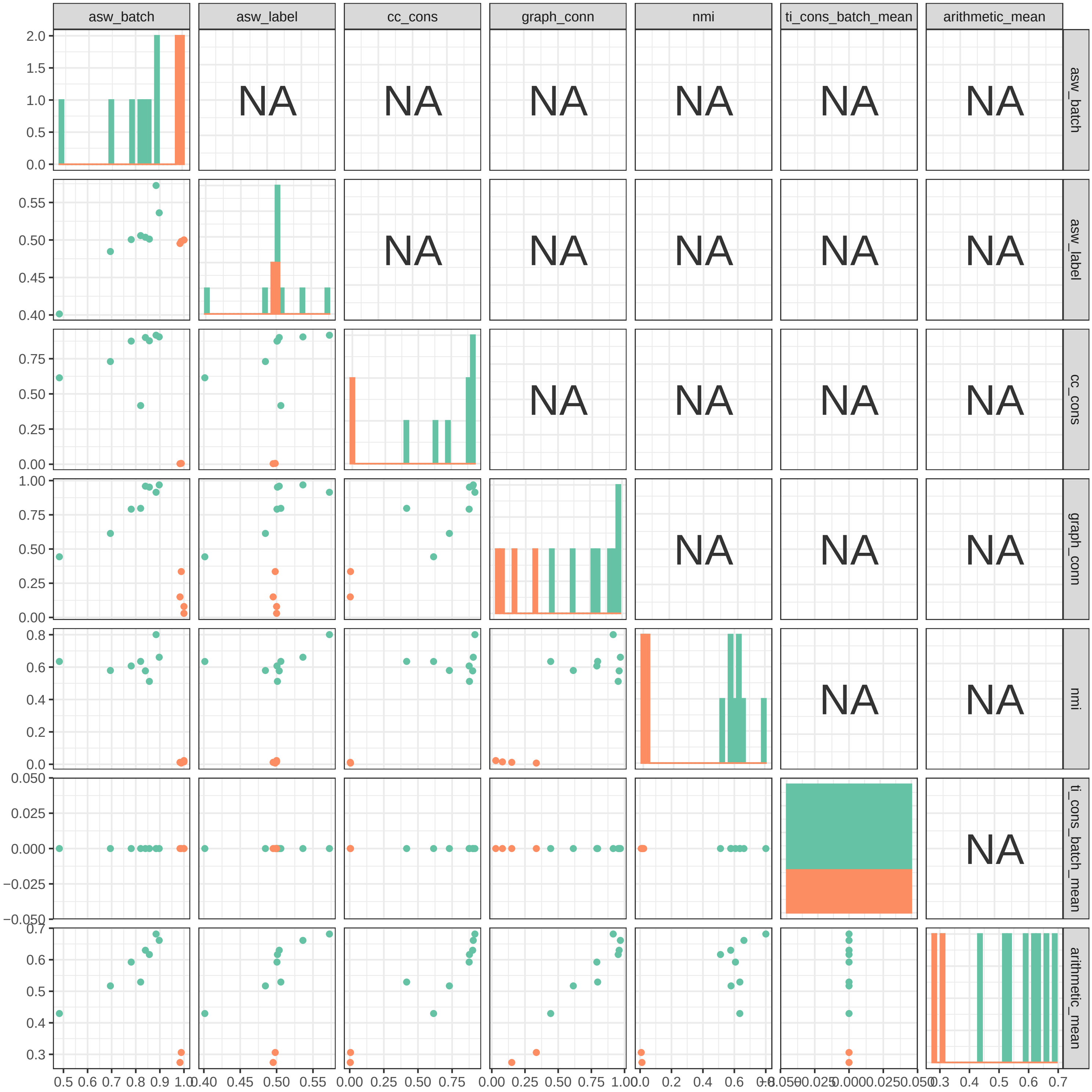

asw_batch
asw_label
cc_cons
graph_conn
nmi
ti_cons_batch_mean
arithmetic_mean
NA
2.0
1.5
1.0
0.5
0.0
0.55
0.50
0.45
0.40
0.75
0.50
0.25
0.00
1.00
0.75
0.50
0.25
0.00
0.8
0.6
0.4
0.2
0.0
0.050
0.025
0.000
−0.025
−0.050
0.7
0.6
0.5
0.4
0.3
0.5 0.6 0.7 0.8 0.9 1.0
0.40 0.45 0.50 0.55
0.00 0.25 0.50 0.75
0.00 0.25 0.50 0.75 1.00
0.0 0.2 0.4 0.6 0.8
−0.050 −0.025 0.000 0.025 0.050
0.3 0.4 0.5 0.6 0.7