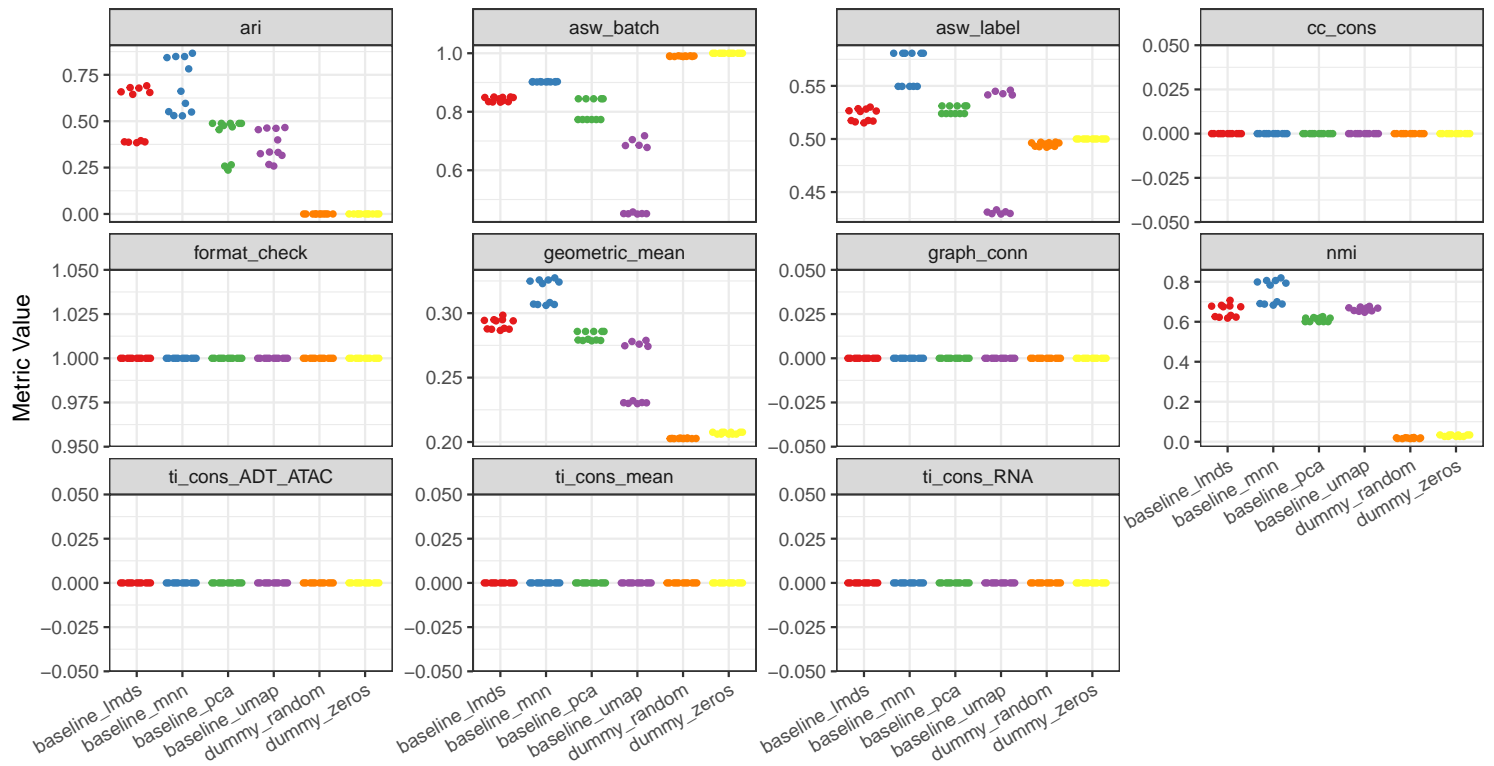


## Joint Embedding - Pilot Analysis

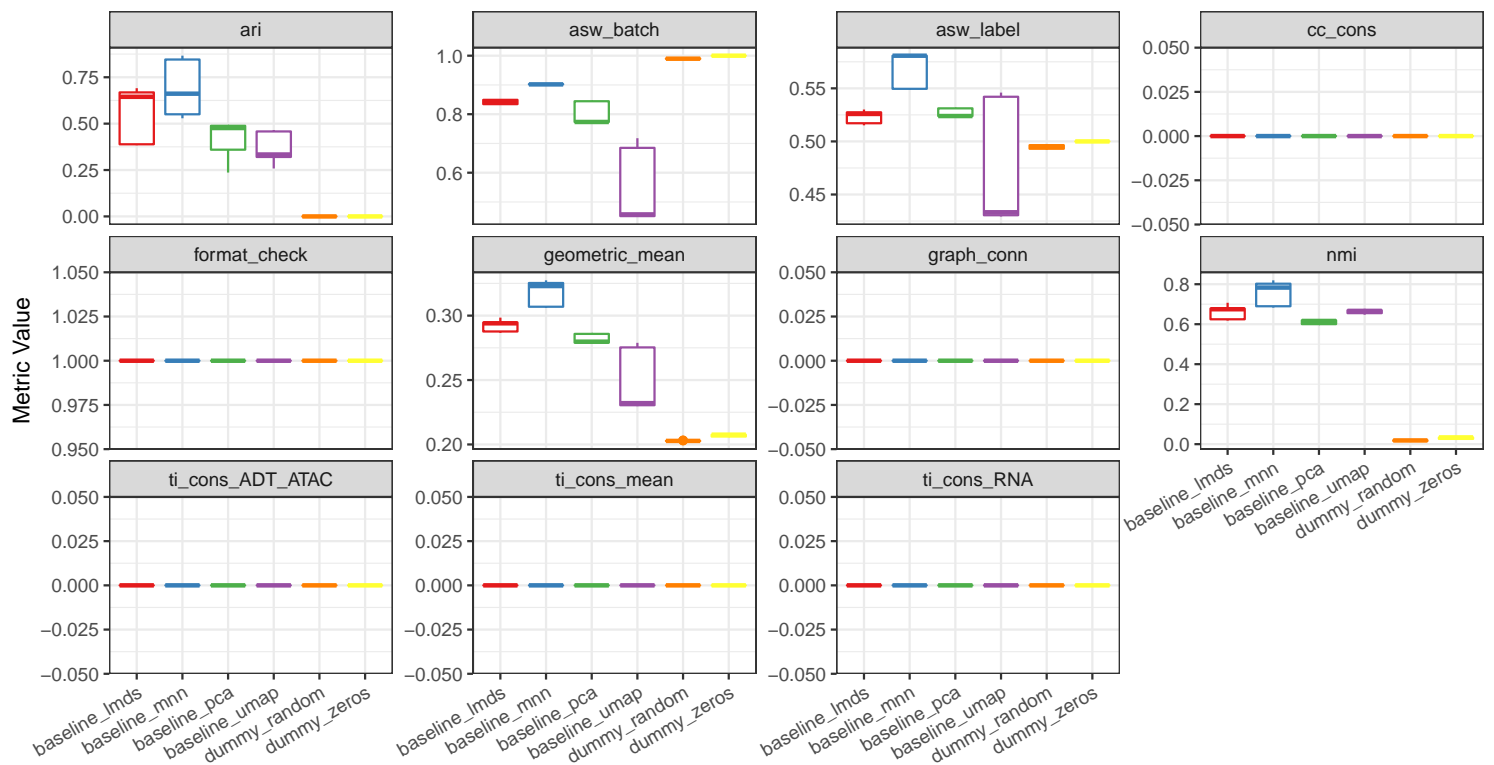
## Visualise results

Colour by method.



Method

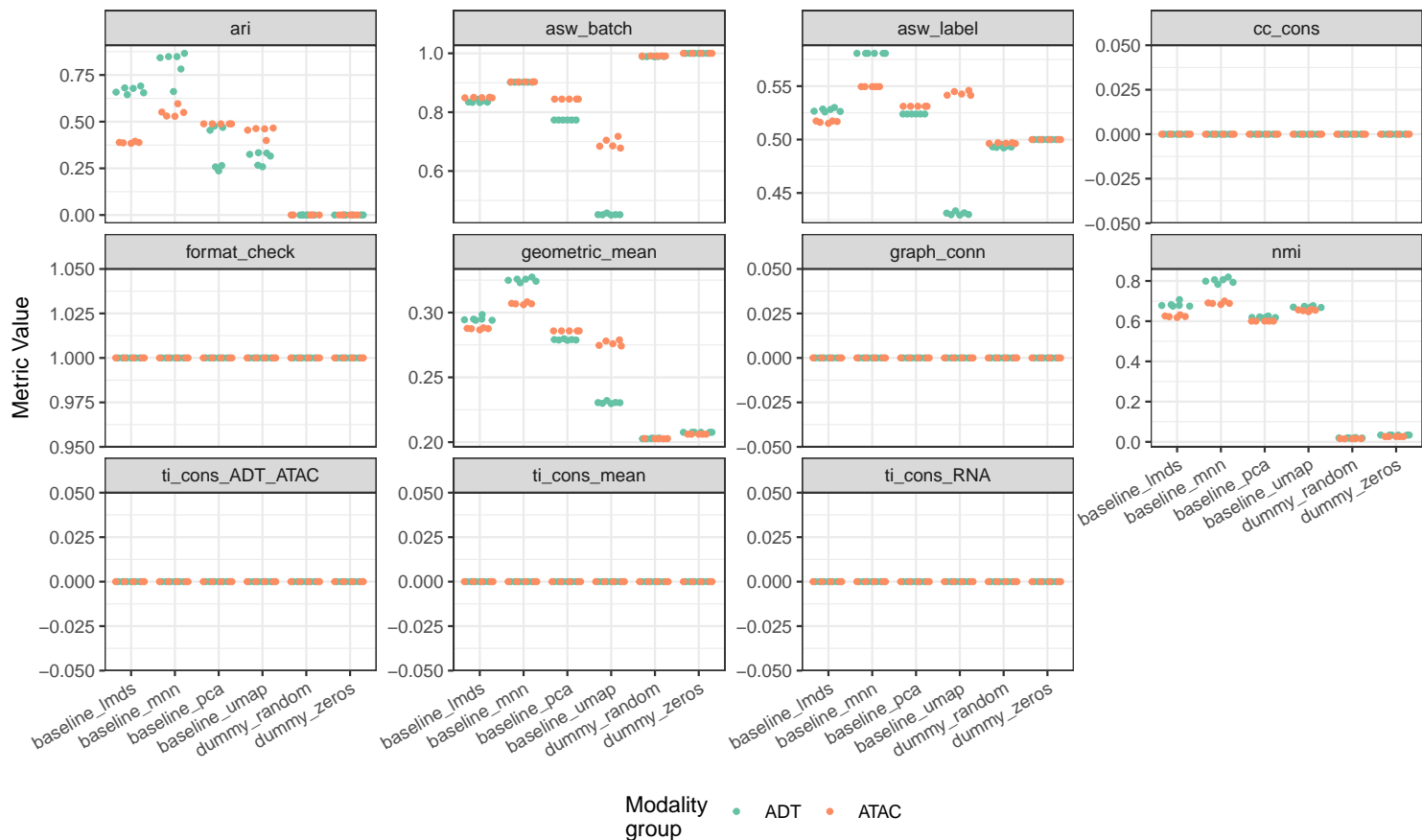
- baseline\_lmnds
- baseline\_mnn
- baseline\_pca
- baseline\_umap
- dummy\_random
- dummy\_zeros



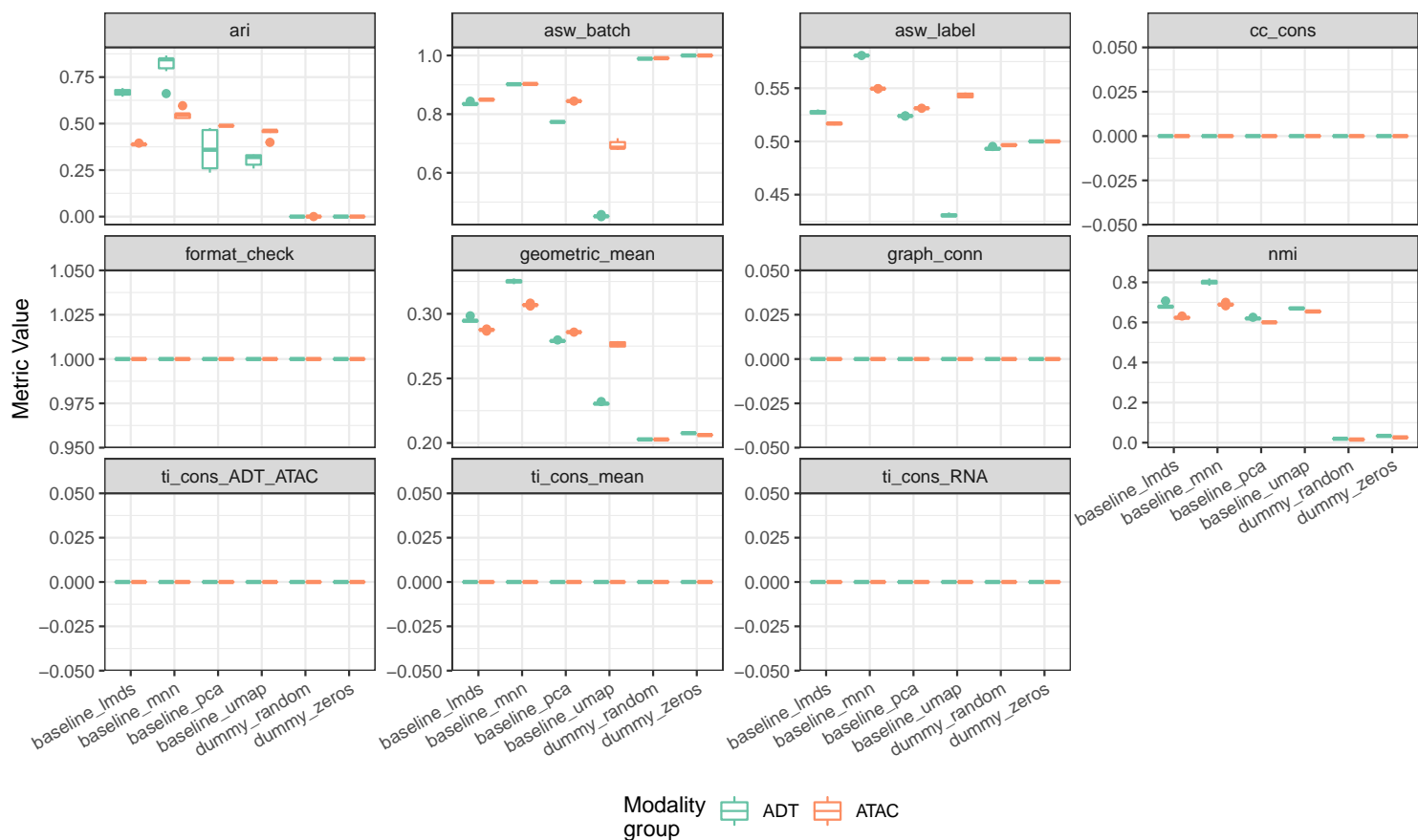
Method

- baseline\_lmnds
- baseline\_mnn
- baseline\_pca
- baseline\_umap
- dummy\_random
- dummy\_zeros

Colour by modality group.

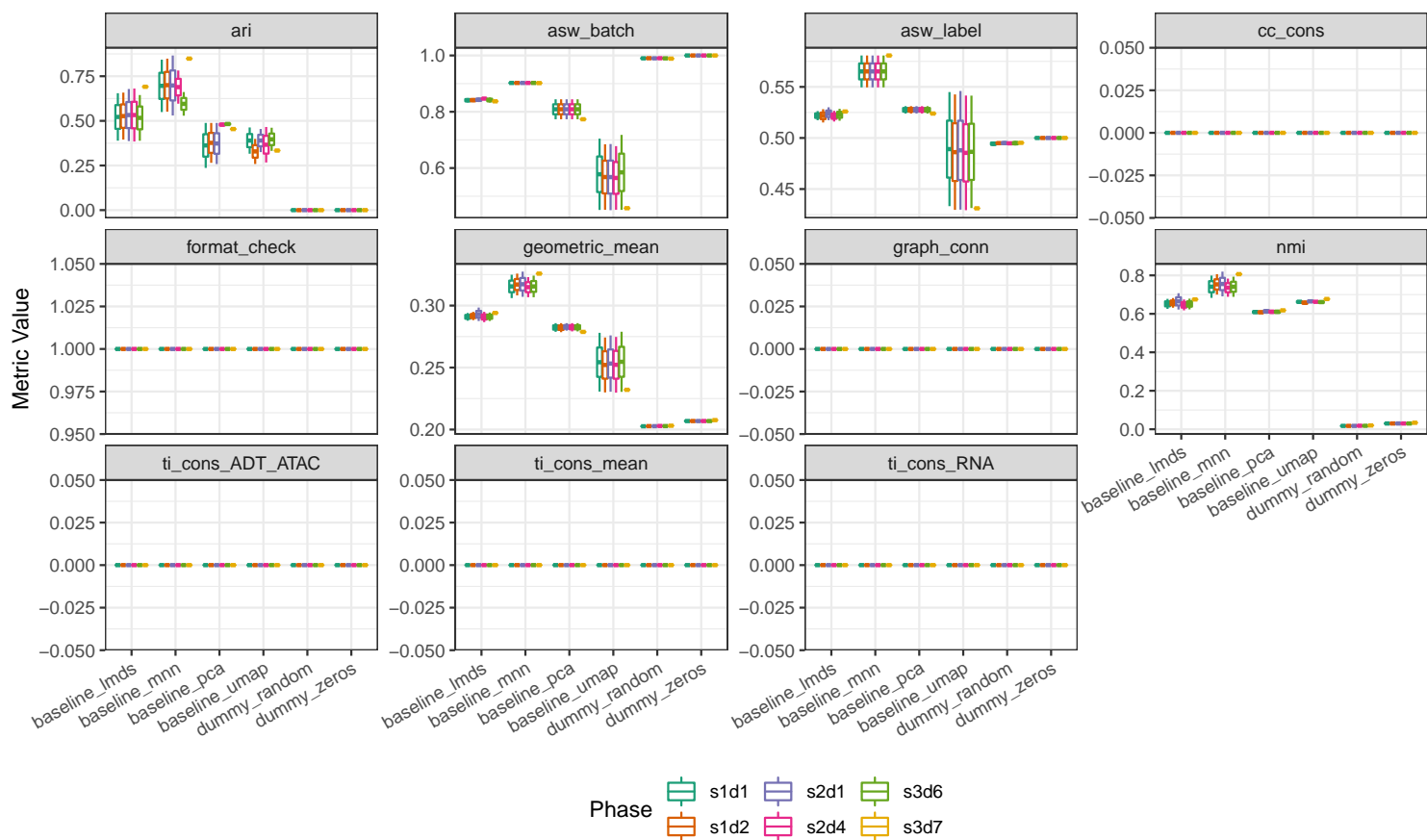
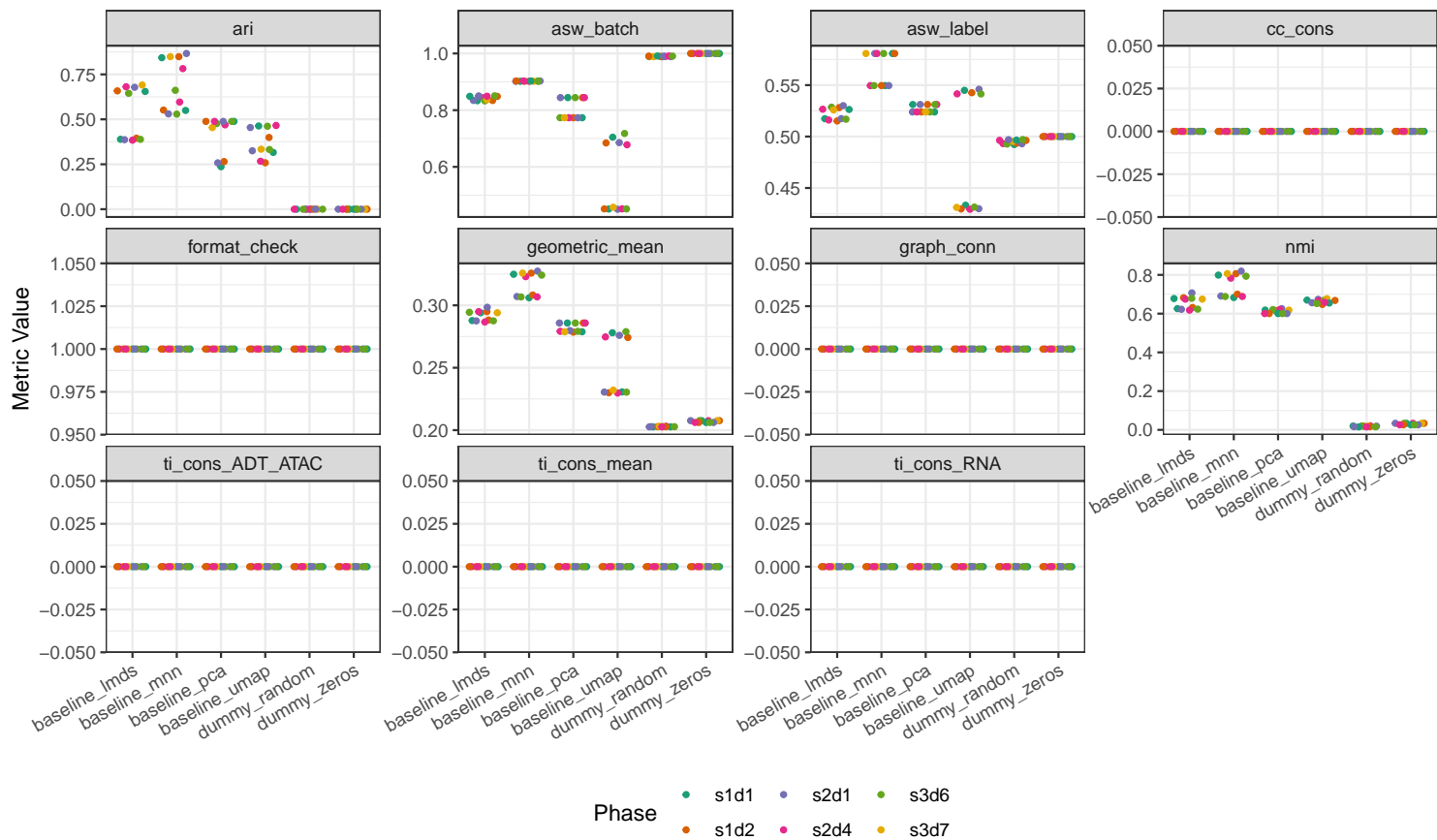


Modality group • ADT • ATAC



Modality group ADT ATAC

Colour by phase.



Comparing most interesting metrics.

```
selected_metrics <- c("geometric_mean", "ari", "nmi", "asw_label", "ti_cons_mean", "cc_cons", "asw_batch", "grap
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'.
```

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

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```

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

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

