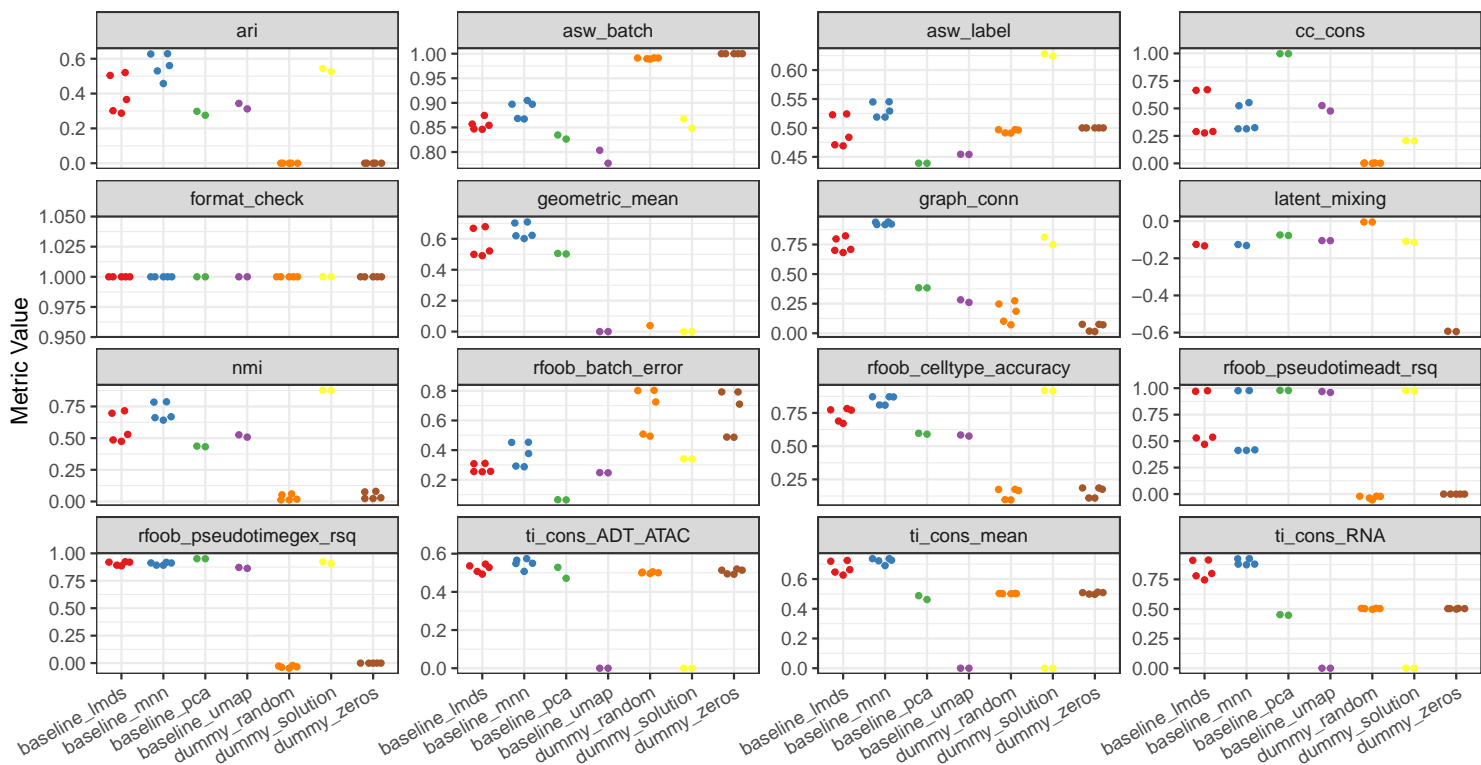


Joint Embedding - Pilot Analysis

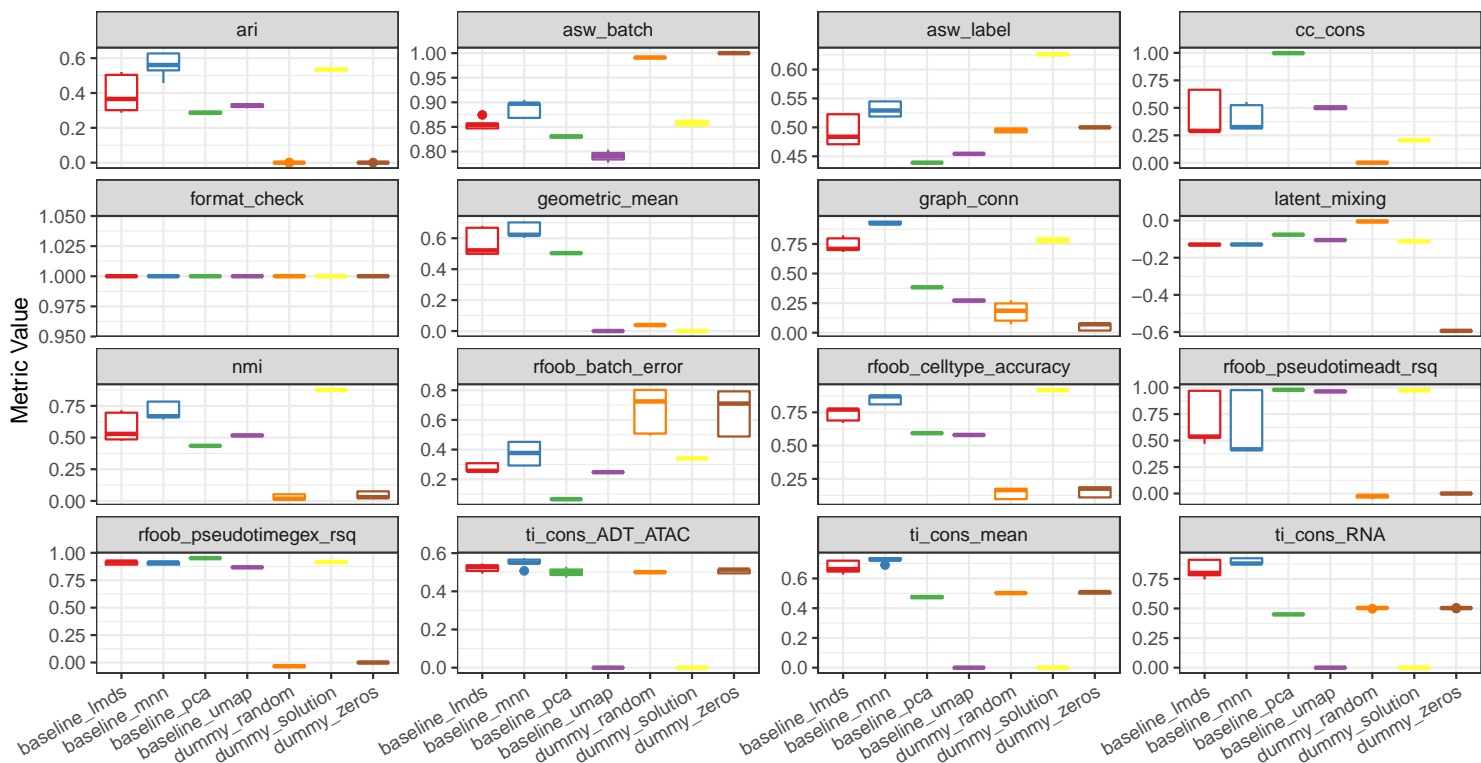
Visualise results

Colour by method.



Method

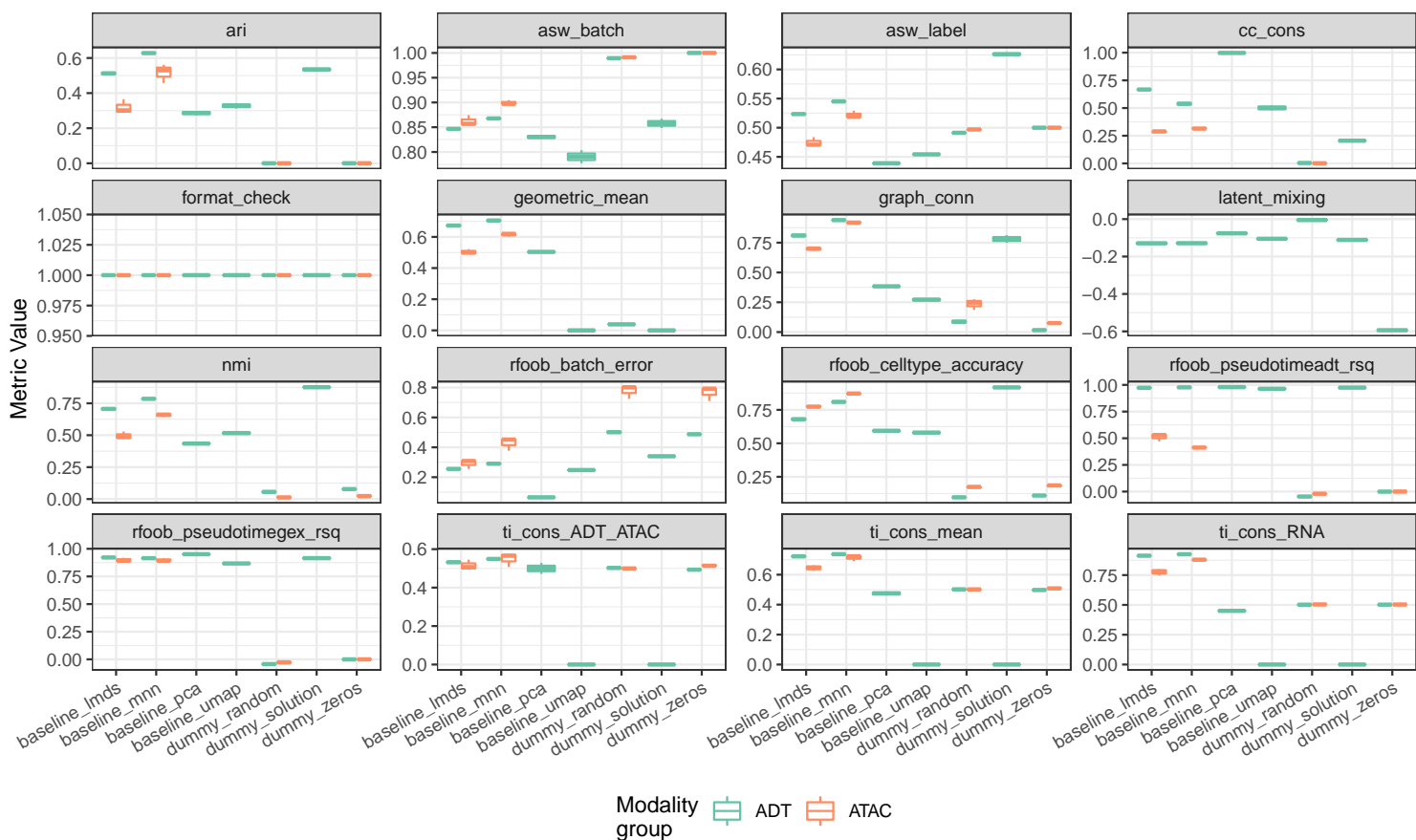
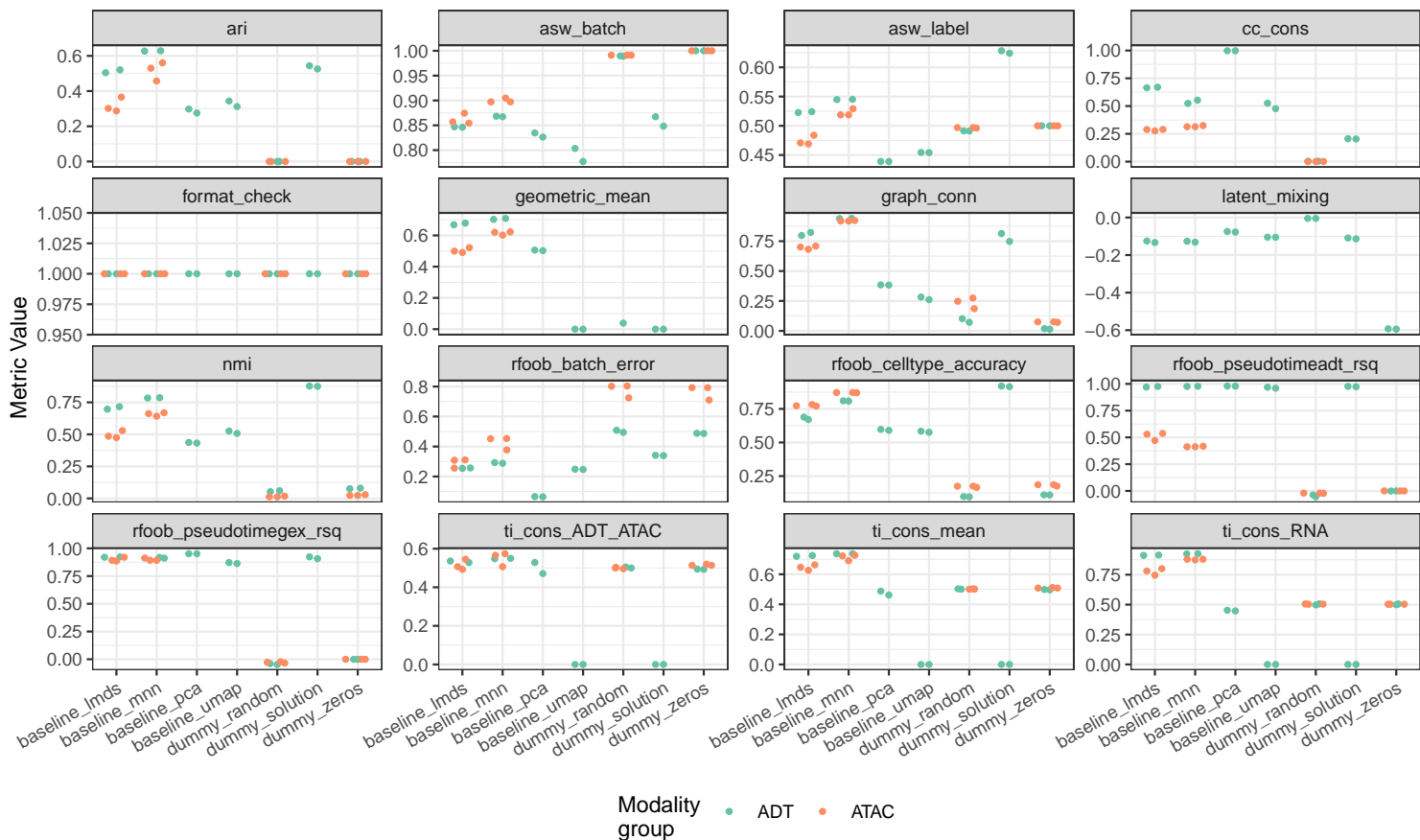
- baseline_lmids
- baseline_mnn
- baseline_pca
- baseline_umap
- dummy_random
- dummy_solution
- dummy_zeros



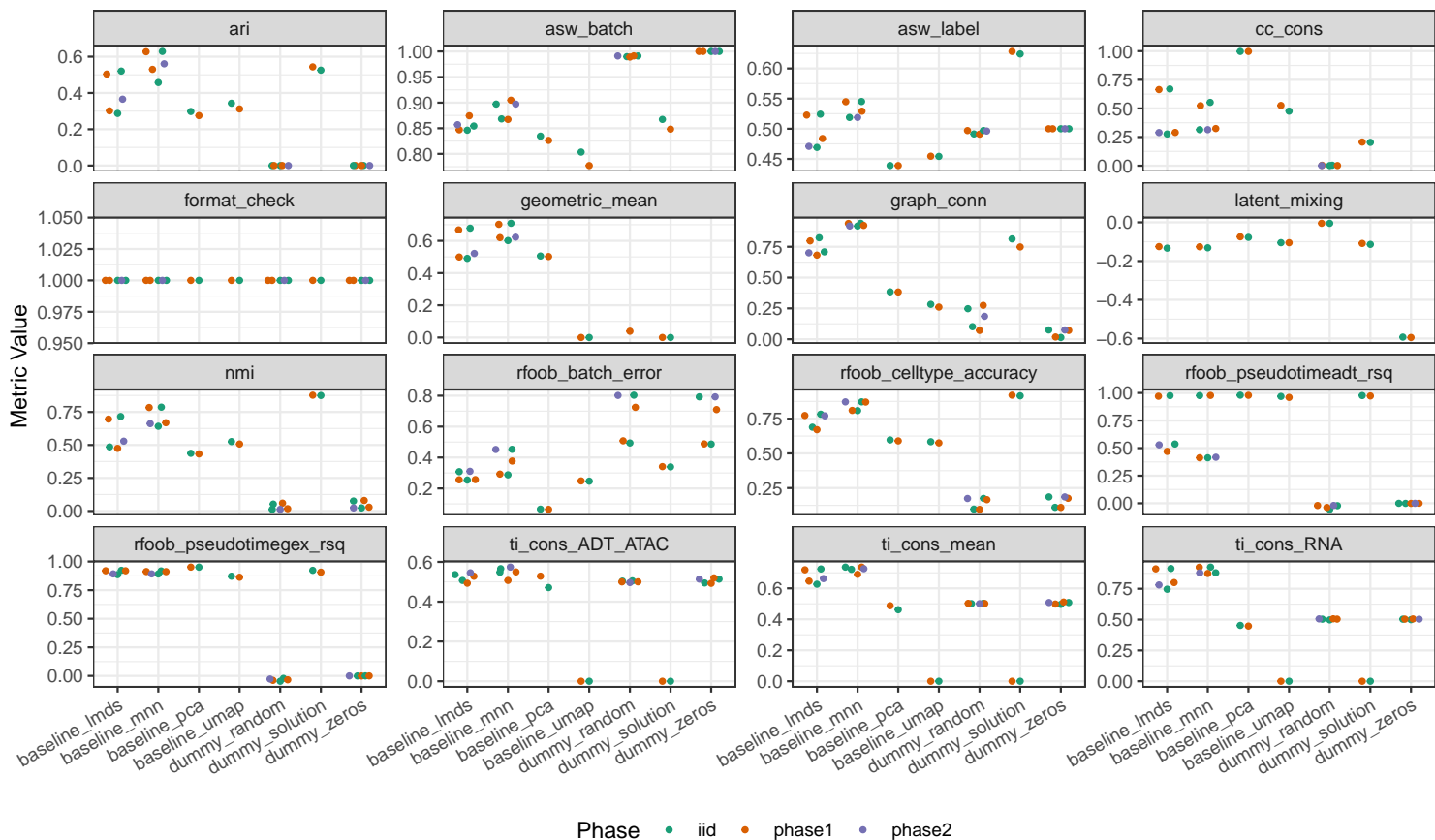
Method

- baseline_lmids
- baseline_mnn
- baseline_pca
- baseline_umap
- dummy_random
- dummy_solution
- dummy_zeros

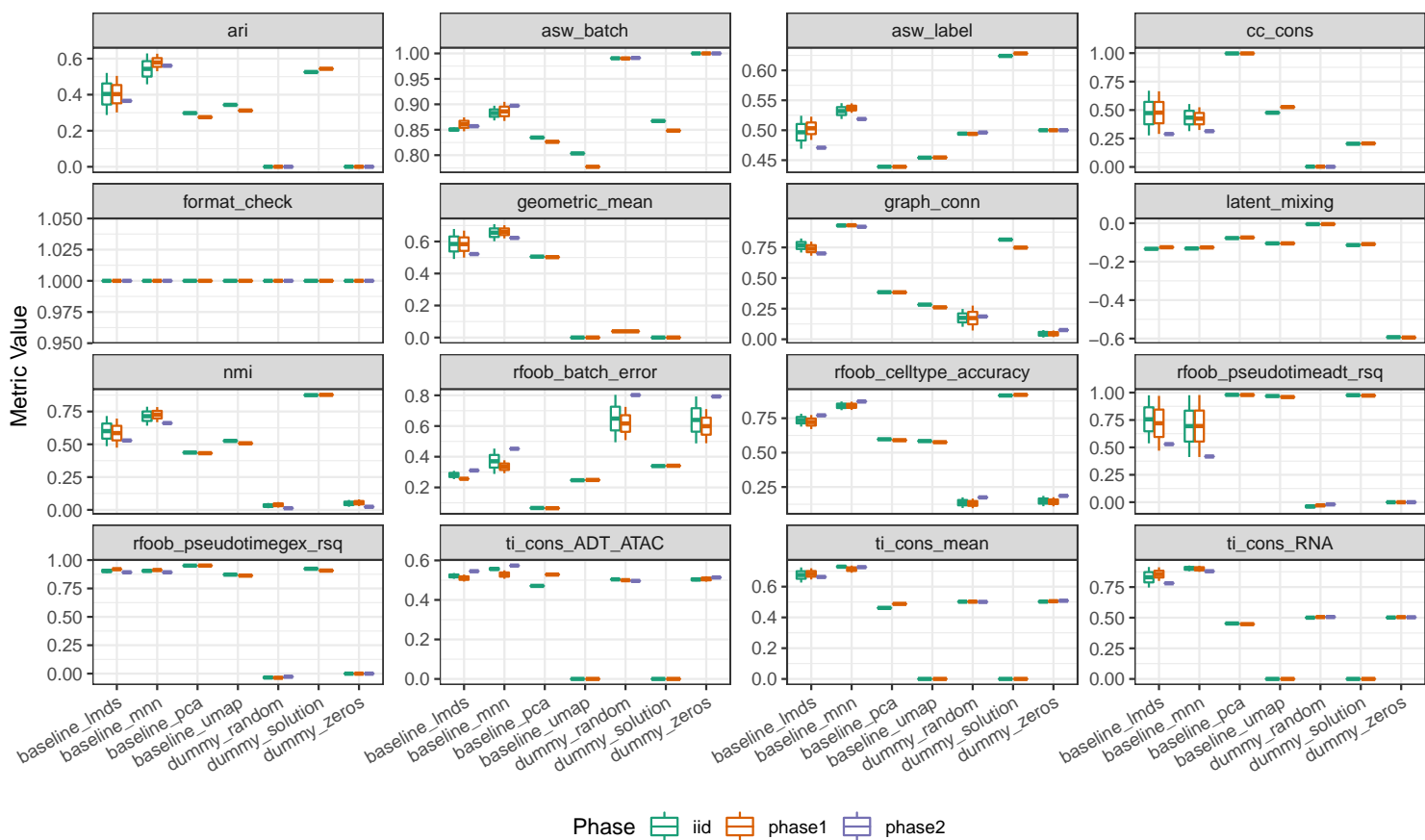
Colour by modality group.



Colour by phase.



Phase • iid • phase1 • phase2



Phase iid phase1 phase2

Comparing most interesting metrics.

```
# TODO: check NA values, check negative values in selected 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'.
```

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```

