R Design Patterns: Base-R vs. Tidyverse

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August 17, 2022

This document enables the reader to see at a glance the difference between base-R and the Tidyverse in common R design settings.

All examples use R's built-in datasets.

R binary categorization on a vector:

```
NileHiLow <-
  ifelse(Nile >= 1000,
    'high','low')
```

```
Nile %>% as.data.frame %>%
  mutate(
    HighLow = case_when
    (x < 1000~'low',
     x >= 1000~'high')
  ) %>%
  select(HighLow) %>%
  as.vector -> HighLow
```

The step of conversion back to a vector at the end is needed for many R packages in which vector input is required.