

R Design Patterns: Base-R vs. Tidyverse

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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.

More and more examples will be added over time.

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.