



Split-Apply-Combine with Dynamic Grouping: R package accumulate

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Mark van der Loo (www.markvanderloo.eu)

Statistics Netherlands and Leiden University (LIACS)

Groupwise aggregation

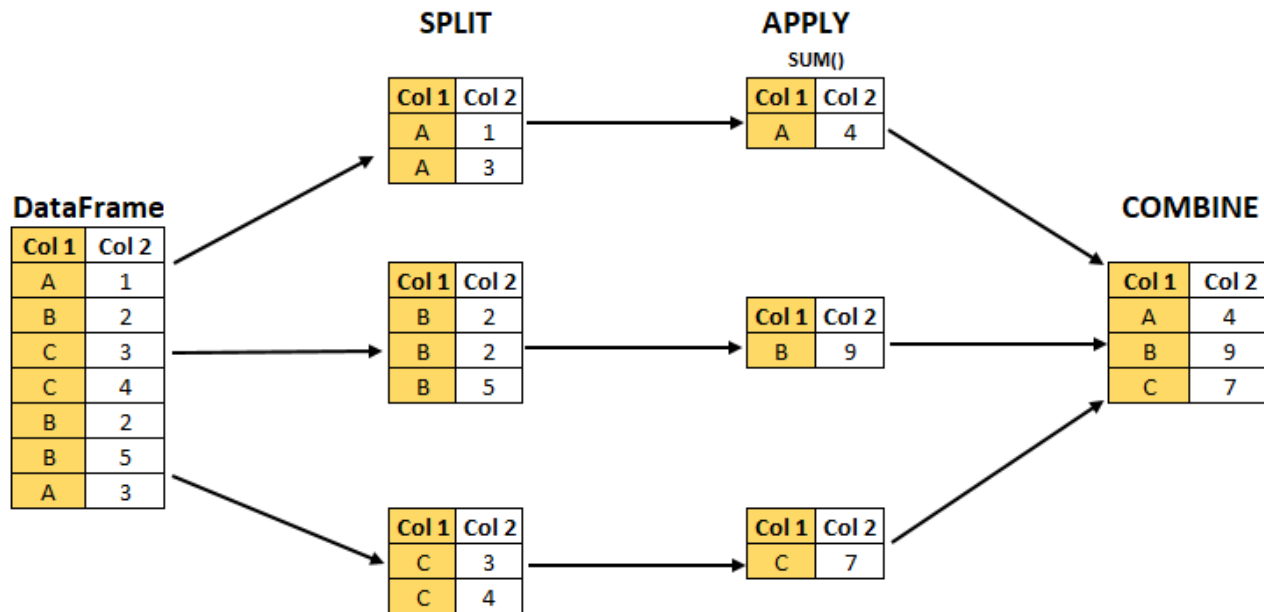


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Groupwise aggregation

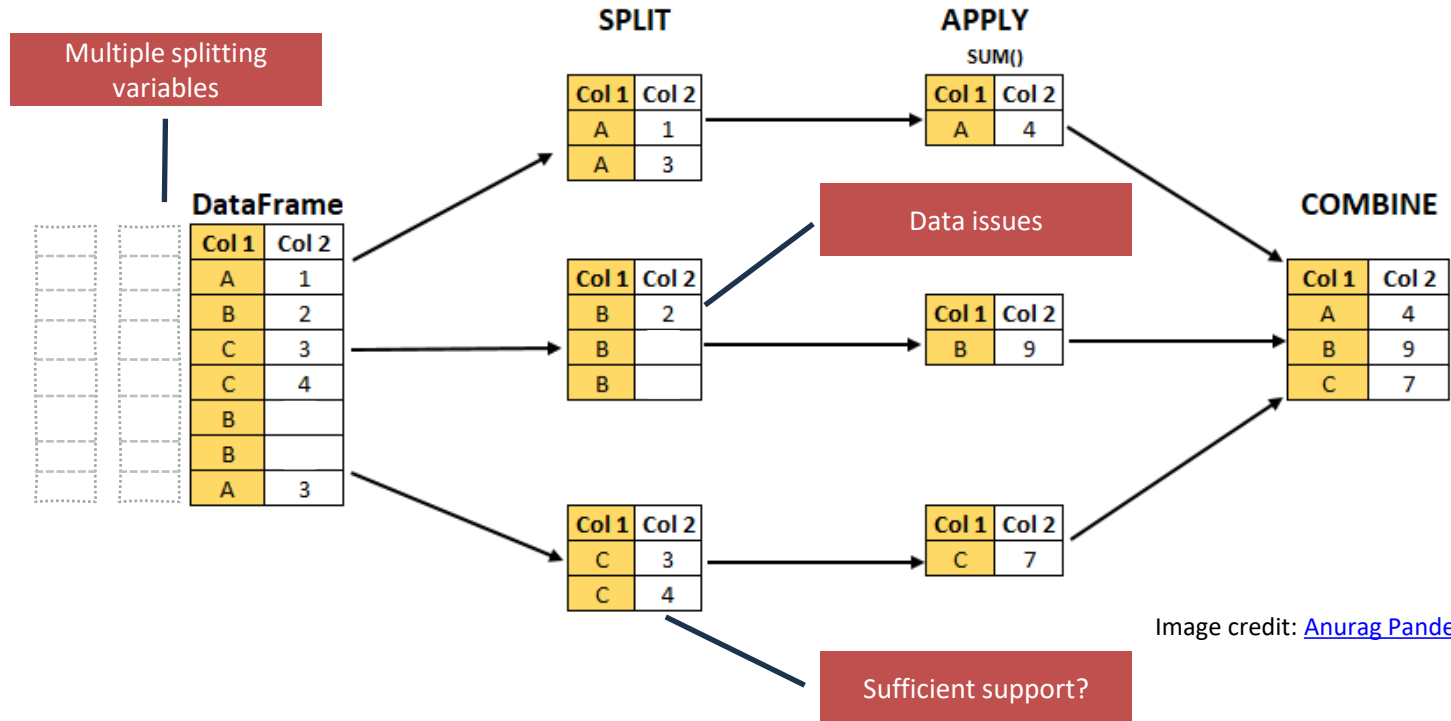
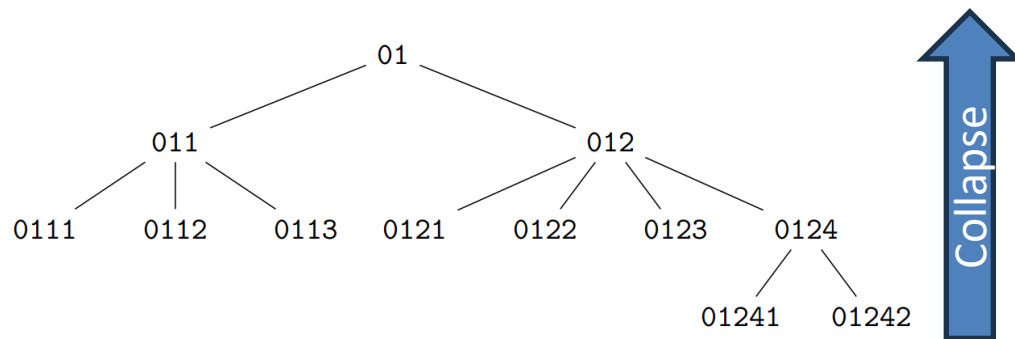


Image credit: [Anurag Pandey](#)



Collapsing

FOR each target group
 IF something bad
 combine groups
 ELSE
 compute aggregate

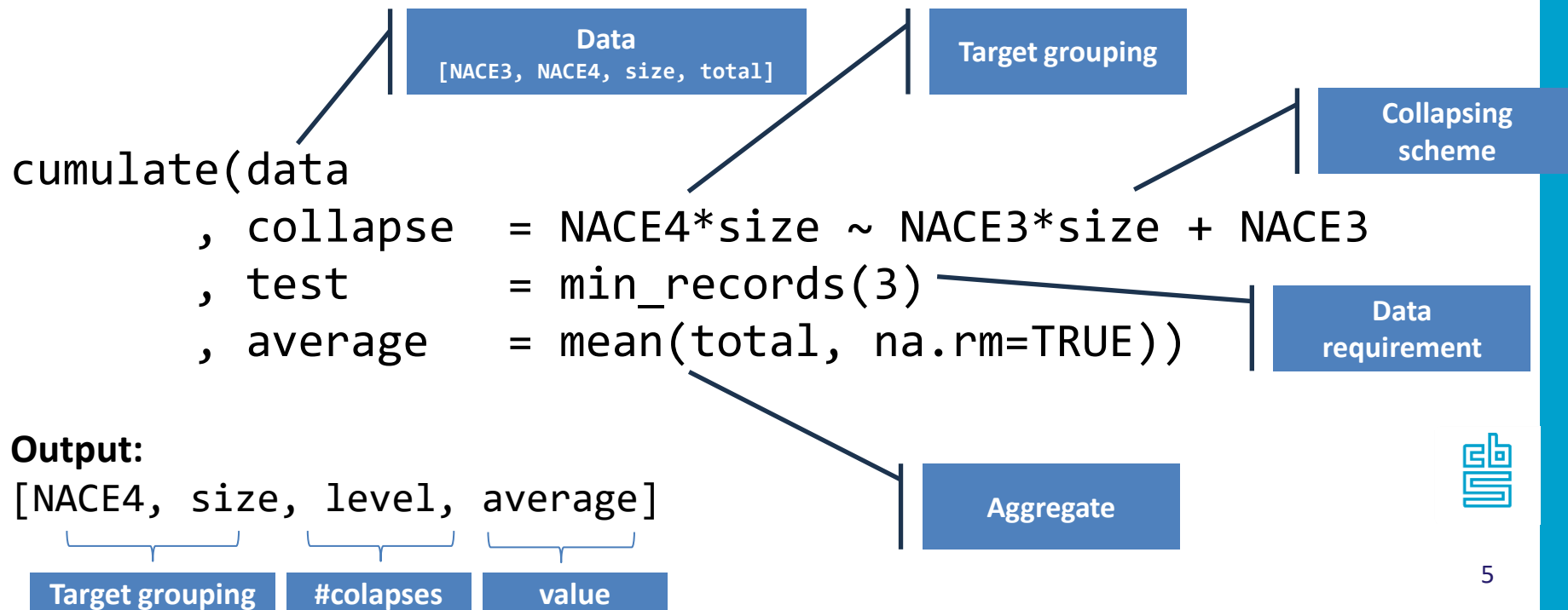


Example: NACE classification
Economic activity



{accumulate}

Formula-data interface for collapsing under user-defined circumstances



{accumulate}

- Base R and tidyverse interface
- Tabular & formula definition of collapse
- Specify *any* condition on groups
- Integration with {validate}
- Supports for complex aggregates (e.g. linear models)



Image by ChatGPT



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Mark P. J. van der Loo 
Statistics Netherlands
Leiden University

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CRAN
R
The Comprehensive R
Archive Network

<https://doi.org/10.32614/CRAN.package.accumulate>

Contact: markvanderloo.eu | mpj.vanderloo@cbs.nl

