UseR 2024

Unlock Data Insights Faster: The 'cohortBuilder' Way











What is Cohort?

In statistics, epidemiology, marketing and demography, a **cohort** is a group of subjects who share a **defining characteristic** (typically subjects who experienced a common event in a selected time period, such as birth or graduation).



It's a group or subset of data where the inclusion and exclusion criteria were applied.



Dev challenges

Developing a consistent API across multiple data sources.

Investing time in UI design and learning new frameworks instead of enhancing business value.

Facing **performance issues** with Shiny apps when users change inputs.

Coding similar user interfaces multiple times.

Handling **relationships** within a complex **data model**.

Building and maintaining **complex filtering** logic.



Proposal

Investing time in UI design and learning new frameworks instead of enhancing business value.

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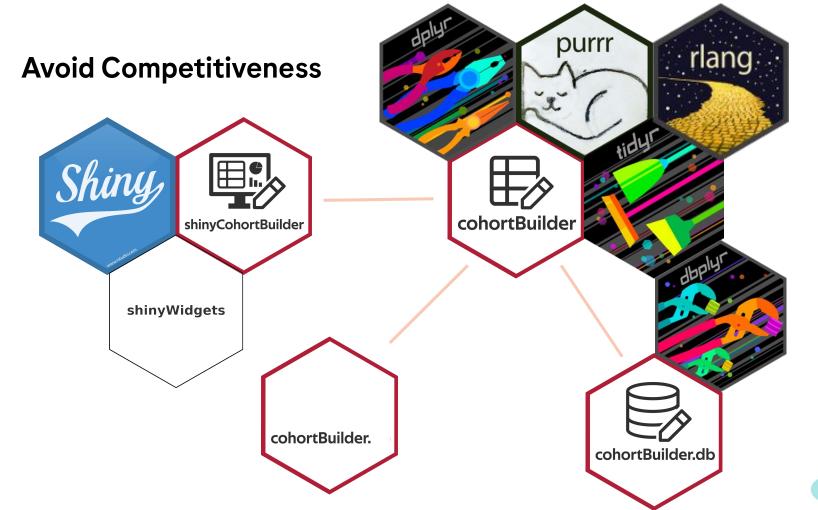
Developing a consistent API across multiple data sources. cohortBuilder

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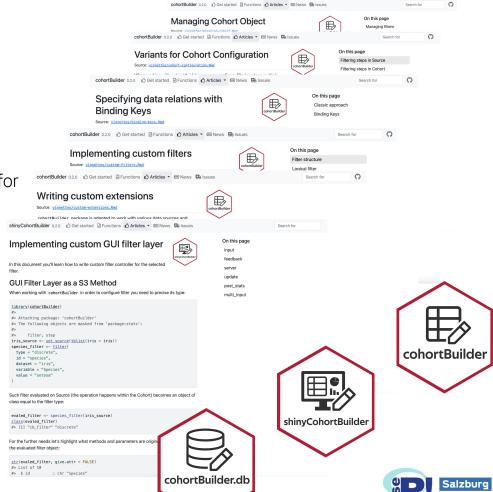


Demo



And much more...

- Compatibility with native shiny bookmarking
- Name-value mappings for columns
- Extensive documentation including **tutorials** for creating custom filters and source layers
- Step-level **attrition** plots
- Binding keys support





Do you want to build your Shiny apps faster?



Ready to dive in?

Try cohortBuilder now!

- Open Source https://github.com/r-world-devs/
- Possibilities for building **internal & external** extensions
- Your filtering logic can be **tested**, and is **reproducible** in Shiny
- **Accelerate** Shiny App Development
- Great opportunity to **contribute** into cohortBuilder ecosystem
- Check longer virtual UseR 2024 presentation











Thank you!

