

# RSTUDIO CONFERENCE 2019

My Takeaways as a Single Human Being

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# INTRO

- I work at Coalition on Homelessness and Housing in Ohio ([COHHIO](#))
- I am the Data Analyst
- I have been using R in earnest for about 8 months.



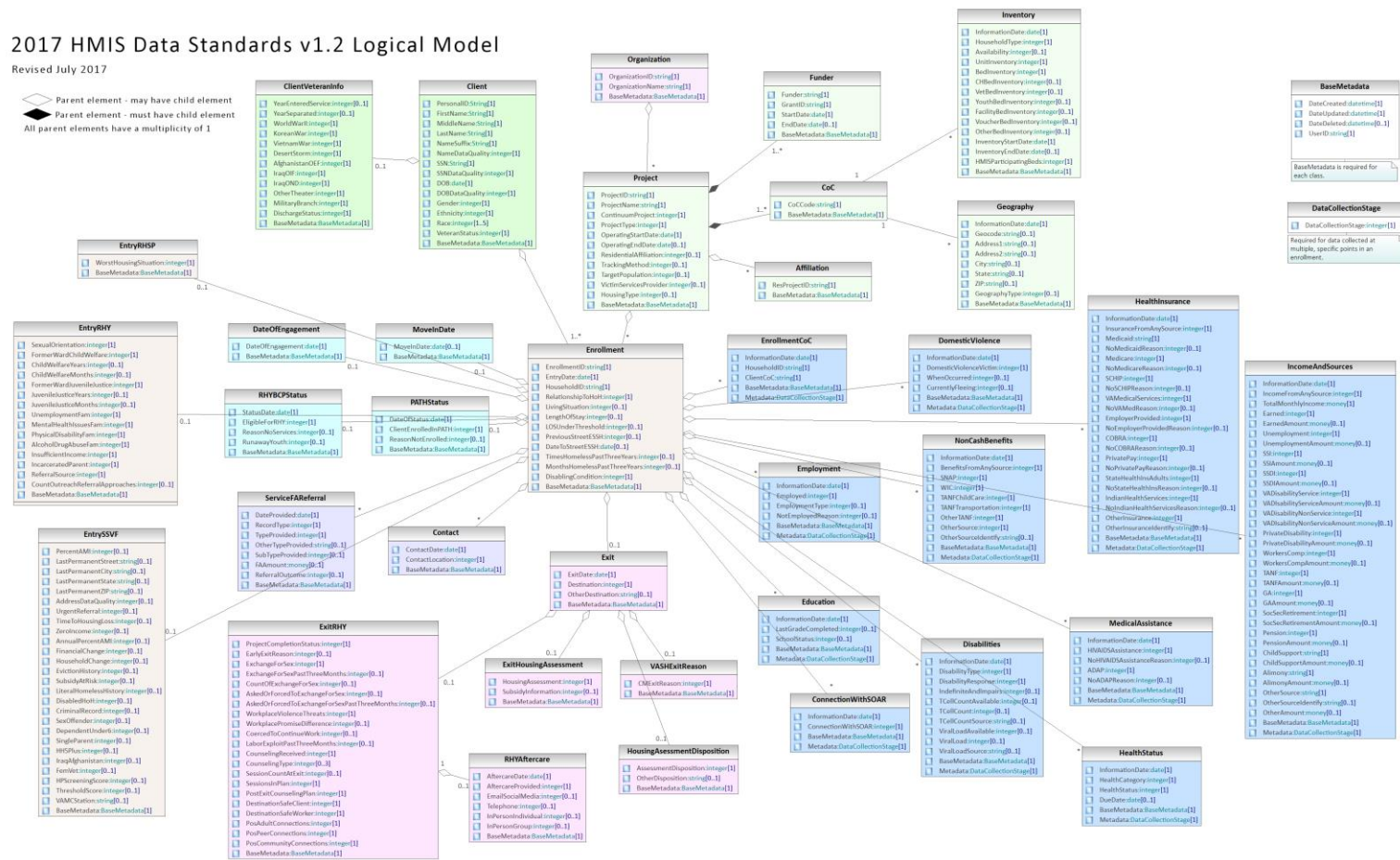
# WHY I WENT

- I am working on turning an XML export file into that ----->
- After this is done, I will need to build reports based on it and serve it to our providers and external interested parties.
- An example of what I created using some files from our current system is [here](#).
- I need to learn more about what exists to know what it is that I don't know.

## 2017 HMIS Data Standards v1.2 Logical Model

Revised July 2017

◊ Parent element - may have child element  
 ◆ Parent element - must have child element  
 All parent elements have a multiplicity of 1



## MY THREE MAIN TAKEAWAYS

- Community Matters
  - R Markdown is my friend
  - The Tidyverse and RStudio is capable of just about anything
- 
- All the presentations are [here](#).

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# COMMUNITY

- Signing up requires that to agree to their well-written [Code of Conduct](#).
- Hadley's intro included encouragement to be inclusive, explained the pac-man concept. Lots of women speakers. Close Captioning on all talks (soon).
- R-Ladies, R Twitter
- Birds of a Feather (Data for Good, Geospatial, Finance, Government, etc.)
- Austin City Limits and Lucas Nelson!





Austin R Ladies + All of us R Ladies



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## R MARKDOWN AND OTHER RELEVANT-TO-ME THINGS

- [R Markdown](#) by Garrett Grolemund
- New package called [pagedown](#) (create nice PDFs with your Markdown)
- [Parameterised R Markdown reports](#) (write reports and analysis for you, your people, and future-you)
- [gt package](#) available on GitHub now, CRAN eventually (presentable display tables)
- [Categorical Data](#) by Amelia McNamara
- [ACLU](#) talk was amazing and totally relevant to my work

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# TIDYVERSE & RSTUDIO AMAZINGNESS

- [Rayshader](#)
- [Shiny in Production](#) (example app called CRANWhales, ways to improve performance with shinyloadtest, profvis, plot caching)
- [RStudio Connect](#) (publishing platform, new features)
- [RStudio Cloud for education](#)
- [gganimate](#) grammar of animated graphics, redesigned recently by Thomas Lin Pedersen, now on CRAN

## SO WHAT?

- How did my work benefit?
  - R Markdown analysis to help with Unsheltered Data Quality.
  - Used R Markdown to communicate with vendor.
  - Made contacts to help me find some way of using R products to create a single place that our users can go for their custom reporting.
  - More confidence that we're doing the right thing switching to R. One sign (aside from what is already available at a technical level) is the growing and thriving community.
  - Spread word about what we are doing in homeless services.
- How did I benefit as a single human being?
  - It was fun obviously
  - Validation, encouragement, ways to contribute to good things



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