Thesis report

library(tidyverse)

── Attaching packages ─────────────────────────────────────── tidyverse 1.3.2 ──  
✔ ggplot2 3.3.6 ✔ purrr 0.3.4  
✔ tibble 3.1.8 ✔ dplyr 1.0.9  
✔ tidyr 1.2.0 ✔ stringr 1.4.0  
✔ readr 2.1.2 ✔ forcats 0.5.1  
── Conflicts ────────────────────────────────────────── tidyverse\_conflicts() ──  
✖ dplyr::filter() masks stats::filter()  
✖ dplyr::lag() masks stats::lag()

# Introduction

# Methods

# Results & Discussion

library(tidyverse)  
library(here)

here() starts at /Users/lschoebitz/Documents/gitrepos/ethz/gh-org-global-health-engineering/SDG-6-2-Reproducibility

read\_rds(here("data/2020-09-30\_jmp\_sanitation\_raw\_data.rds"))

# A tibble: 16,576 × 9  
 source type year var\_short value iso3 var\_long residence san\_service\_ch…¹  
 <chr> <chr> <dbl> <chr> <dbl> <chr> <chr> <chr> <fct>   
 1 MICS03 Survey 2003 s\_imp\_r 26 AFG Improved rural user interface   
 2 NRVA03 Survey 2003 s\_imp\_r 28.6 AFG Improved rural user interface   
 3 NRVS05 Survey 2005 s\_imp\_r 31.2 AFG Improved rural user interface   
 4 NRVA08 Survey 2008 s\_imp\_r 30.1 AFG Improved rural user interface   
 5 MICS11 Survey 2011 s\_imp\_r 44.2 AFG Improved rural user interface   
 6 NRVA12 Survey 2012 s\_imp\_r 36.3 AFG Improved rural user interface   
 7 ALCS14 Survey 2014 s\_imp\_r 27 AFG Improved rural user interface   
 8 DHS15 Survey 2015 s\_imp\_r 48.0 AFG Improved rural user interface   
 9 ALCS17 Survey 2017 s\_imp\_r 43.8 AFG Improved rural user interface   
10 MICS03 Survey 2003 s\_imp\_u 44.2 AFG Improved urban user interface   
# … with 16,566 more rows, and abbreviated variable name ¹​san\_service\_chain  
# ℹ Use `print(n = ...)` to see more rows

Write some text (Fuller et al., 2016)

Another reference by Fuller et al. (2016)

Two references Fuller et al. (2016)

# Conclusions

# Recommendations

# References

Fuller, J. A., Goldstick, J., Bartram, J., & Eisenberg, J. N. S. (2016). Tracking progress towards global drinking water and sanitation targets: A within and among country analysis. *Science of The Total Environment*, *541*, 857–864. <https://doi.org/10.1016/j.scitotenv.2015.09.130>

Quispe-Coica, A., & Pérez-Foguet, A. (2022). From the global to the subnational scale: Landing the compositional monitoring of drinking water and sanitation services. *Science of The Total Environment*, *838*, 156005. <https://doi.org/10.1016/j.scitotenv.2022.156005>