

Untitled

```
library(tidyverse)
```

```
-- Attaching packages ----- tidyverse 1.3.2 --
v ggplot2 3.3.6      v purrr  0.3.4
v tibble  3.1.8      v dplyr  1.0.10
v tidyr   1.2.1      v stringr 1.4.1
v readr   2.1.2      v forcats 0.5.2
-- Conflicts ----- tidyverse_conflicts() --
x dplyr::filter() masks stats::filter()
x dplyr::lag()     masks stats::lag()
```

```
library(gt)
```

```
projects <- read_csv(here::here("data/processed_data/tbl01-project-database.csv")) %>%
  select(-principles) %>%
  filter(!is.na(project_title))
```

Rows: 24 Columns: 6

-- Column specification -----

Delimiter: ","

chr (6): degree, type, project_title, principles, thematic_area, country

i Use `spec()` to retrieve the full column specification for this data.

i Specify the column types or set `show_col_types = FALSE` to quiet this message.

Project Database

```
tbl01 <- projects %>%
  group_by(degree) %>%
  arrange(type) %>%
  gt(rowname_col = "type") %>%
  tab_header(
    title = md("**Global Health Engineering - Projects**"),
    subtitle = "PhD, MSc and BSc Projects in 2021 and 2022"
  ) %>%
  cols_label(
    project_title = "Project Title",
    thematic_area = "Thematic Area",
    country = "Country"
  ) %>%
  tab_style(
    style = cell_text(size = px(11)),
    locations = cells_body(
      columns = project_title:country
    )
  ) %>%
  opt_stylize(style = 5) %>%
  opt_align_table_header(align = "left") %>%
  as_latex()

tbl01
```

Global Health Engineering
PhD, MSc and BSc Projects in 2021 and 2022

	Project Title
MSc	
Semester Project	The state of Open Research Data practices and policies in the Engineering Sciences
Semester Project	Energy production of Black Soldier Fly Larvae: Measuring the temperature increase in air
Semester Project	Design and Validation of a Thermal Disinfection Unit for Wastewater using Biogas in Humid Tropics
Semester Project	Investigating the Optimization Potential of Brick Clamps in Malawi - Thermal efficiency and environmental impact
Semester Project	Examination of non-recycled marine plastic litter in order to identify recycling and beneficial uses
Semester Project	Bin it - Pilot design of an AHP waste collection model for informal settlements in South Africa
Semester Project	Humanitarian Sanitation Solution - Design and validation of a thermal disinfection unit for faecal sludge
Semester Project	Optimization of solid waste collections in Blantyre, Malawi
Thesis	Effect of fruit and vegetable waste in anaerobic digestion using faecal sludge as primary feedstock
Thesis	Suitability of the Modified Bardenpho process for faecal sludge treatment in Kumasi, Ghana

Thesis	Thermal analysis and optimization potential of traditional brick clamps in Malawi
Thesis	Evaluating the potential Extended Producer Responsibility returns for plastic-packaging m
Thesis	Relationship Between Solid Waste Generation And Extent Of Burning In Urban Blantyre
Thesis	Barriers to successful data management in the Global South - Case Study of Malawi
BSc	
Thesis	Feasibility of Waste Maize Husk Valorization as a Plastic Plate Replacement in Durban, S
Thesis	Low-cost compost screening technology to improve trash separation
Thesis	The Development of a Recycled Plastic Wheel for Cardboard Collector Trollies - Improvin
Thesis	Improving Market Wash Stations Through Creative and Contextual Design in Durban, So
PhD	
Thesis	Evaluating a case of closed-loop plastic recycling in Malawi
Thesis	Extent and markers of open waste burning
Thesis	How biogas failed to light up a continent: why the most promising technology never sprea

```
#gtssave(tbl01,
#         filename = here::here("figs/tbl01-projects-database.pdf"))
```