## misc\_equations

## Elizabeth Zhang

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```
library(tidyverse)
## -- Attaching core tidyverse packages ----- tidyverse 2.0.0 --
## v dplyr
          1.1.4
                      v readr
                                  2.1.5
## v forcats 1.0.0
                      v stringr 1.5.1
## v ggplot2 3.4.4 v tibble 3.2.1
                                  1.3.0
## v lubridate 1.9.3
                      v tidyr
## v purrr
             1.0.2
## -- Conflicts ----- tidyverse_conflicts() --
## x dplyr::filter() masks stats::filter()
## x dplyr::lag()
                   masks stats::lag()
## i Use the conflicted package (<a href="http://conflicted.r-lib.org/">http://conflicted.r-lib.org/</a>) to force all conflicts to become error
library(kableExtra)
##
## Attaching package: 'kableExtra'
## The following object is masked from 'package:dplyr':
##
##
      group_rows
```

$$Y = x_1 + x_2$$

library(knitr)

$$Y = x_1 + x_2 + 0.5(x_1 * x_2)$$

Table 1: Specification of interaction terms in simulations.

	Effect size	
	Lower	Higher
Chemical by chemic Multiplicative Polynomial	al $0.35 \text{Hg*Ni} $ $0.13 \text{Hg*}(\text{Ni}-1)^2$	0.7Hg*Ni 0.26Hg*(Ni-1) <sup>2</sup>
Chemical by race Smaller category Larger category	$0.5 Hg*race_{black}$ $0.5 Hg*race_{hisp.non}$	Hg*race <sub>black</sub> Hg*race <sub>hisp.non</sub>

```
labels <- c(
    "Chemical by chemical" = 2,
    "Chemical by race" = 2
)

equations |>
    kbl(booktabs = TRUE, escape = FALSE,
        col.names = c("", "Lower", "Higher"),
        align = "lcc",
        caption = "Specification of interaction terms in simulations.") |>
    column_spec(1, width = "10em") |>
    add_header_above(header = c(" " = 1, "Effect size" = 2)) |>
    pack_rows(index = labels)
```