The Effect of GMO

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```
library(tidyverse)
-- Attaching core tidyverse packages ----- tidyverse 2.0.0 --
v dplyr
           1.1.4
                     v readr
                                  2.1.4
v forcats
            1.0.0
                      v stringr
                                  1.5.1
v ggplot2
            3.4.4
                    v tibble
                                  3.2.1
v lubridate 1.9.3
                     v tidyr
                                  1.3.0
            1.0.2
v purrr
-- 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
data <- read_csv("../data/clean_data.csv")</pre>
Rows: 24 Columns: 6
-- Column specification -----
Delimiter: ","
dbl (6): year, percent_gm, total_acres, harvested_acres, percent_abandoned, ...
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.
To analyze the effects of genetic engineering on upland cotton cultivation, raw
data was obtained from the United States Department of Agriculture. These
datasets were cleaned and transformed into a clean dataset using R and the tidy-
verse package. The resulting dataset consists of the variables "Year", "Percent
GM", "Total Acres", "Acres Harvested", "Percent Abandoned", and "Yield".
```

The variable "Year" encompasses observations spanning from 2000 till 2023.

"Percent GM" denotes the percentage of cotton planted that was genetically modified. "Total Acres" represents the total land area dedicated to farm upland cotton in the United States, while "Acres Harvested" is the number of acres that were actually harvested. "Percent Abandoned" is the percentage of cotton harvested that was abandoned and deemed as unacceptable yield. The variable "Yield" measures cotton harvested in pounds per acre that was deemed acceptable.