RRWM Data Activity (CAnD3) - Program

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Recoding Variables

1. Recode FI_505 variable

- rename FI_505 to `contraception`, indicating whether respondent is currently using contraception
- Keep all "1" values as "1" (indicating 'yes' response)
- Change all "2" values to "0" (indicating 'no' response)
- Make all other values "NA"

2. Recode FI_105 variable

- rename FI_105 to `children_3 years`, indicating respondent intention to have another child within 3 years
- Change all "1" and "2" values to "1" (indicating 'yes' responses)
- Change all "3" and "4" values to "0" ('indicating 'no' responses)
- Make all other values "NA"

3. Recode FI_240 variable

- rename FI_240 variabe to `spouse_cannot`, indicating whether respondent's spouse has been told they cannot have children
- Change all "1" and "2" values to "1" (indicating 'yes' responses)
- Change all "3" and "4" values to "0" (indicating 'no' responses)
- Make all other values "NA"

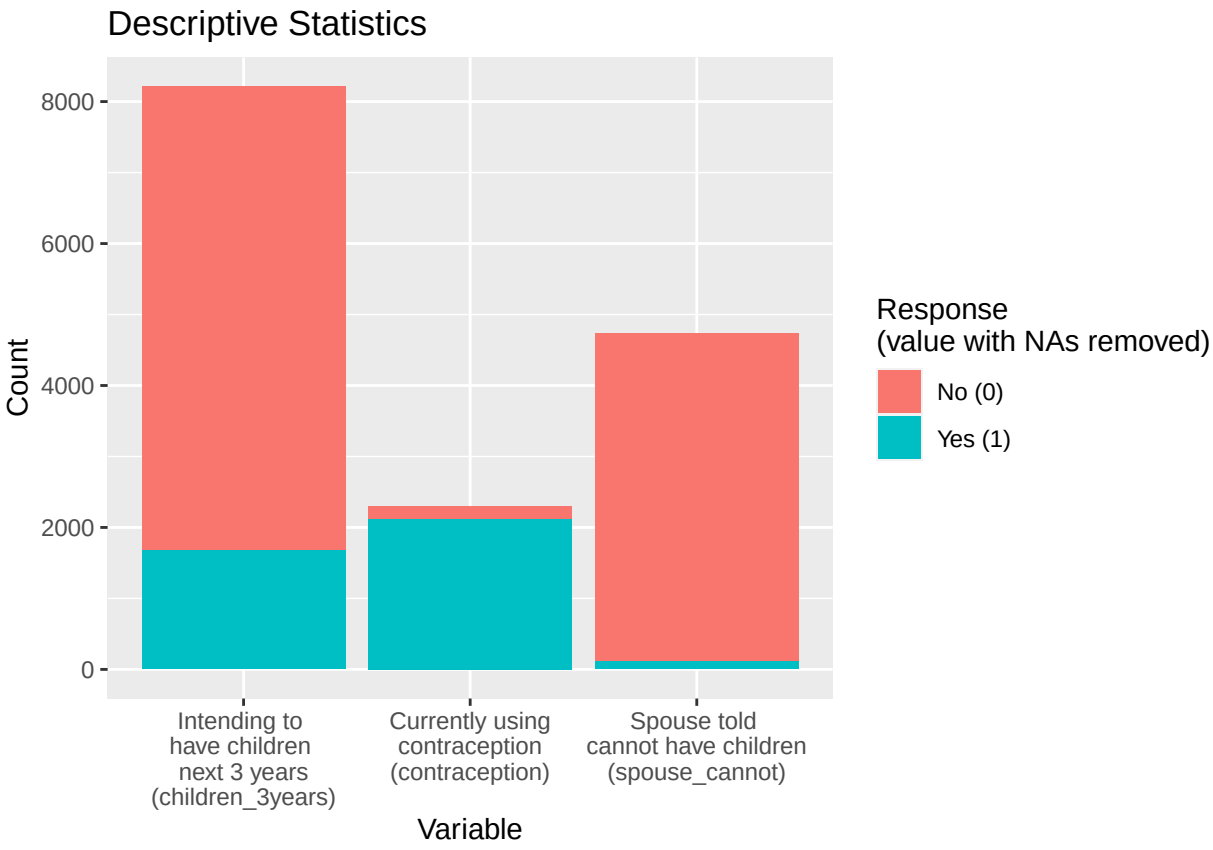
Descriptive Statistics Plot

1. Create subsetted dataframe

- Include recoded variables: `contraception`, `children_3years`, and `spouse_cannot`
- Generate a df with two columns, one containing variable names, and the other containing values (1, 0, NA)

2. Generate plot

- Drop all NA values from new df
- Display the count of 1 (Yes) and 0 (No) responses for each question/variable



Linear Regression

1. Create linear regression model

- dependent variable = `contraception`
- independent variables = `children_3years` and `spouse_cannot`
- omit NA values
- Generated regression table using stargazer

```
##
## ================================================
##                          Dependent variable:
##                      ---------------------------
##                              contraception
## ------------------------------------------------
## children_3years               -0.142***
##                                (0.012)
##
## spouse_cannot
##
##
## Constant                      0.966***
##                                (0.007)
##
## ------------------------------------------------
```

```
## Observations                  2,058
## R2                            0.060
## Adjusted R2                   0.059
## Residual Std. Error      0.266 (df = 2056)
## F Statistic          130.950*** (df = 1; 2056)
## ================================================
## Note:               *p<0.1; **p<0.05; ***p<0.01
```