

Program Details for RRW exercise Pratik

Recoded Variables:

Dataset Loading: Loaded a dataset named "gss_data.csv" into a data frame (df).

Variable Transformation:

- `Time_with_kids`: Derived from `TSA_030` by reverse coding values between 1 and 5. Other values set to NA.
- `Visiting_Father`: Derived from `LAF_50` using the same reverse coding method.
- `Visiting_Mother`: Derived from `LAM_50` using the same reverse coding method.
- `SEX`: Retained only values 1 and 2, with others set to NA.

After recoding, the aforementioned variables were renamed to more descriptive names to reflect their transformed nature.

Descriptive Statistics:

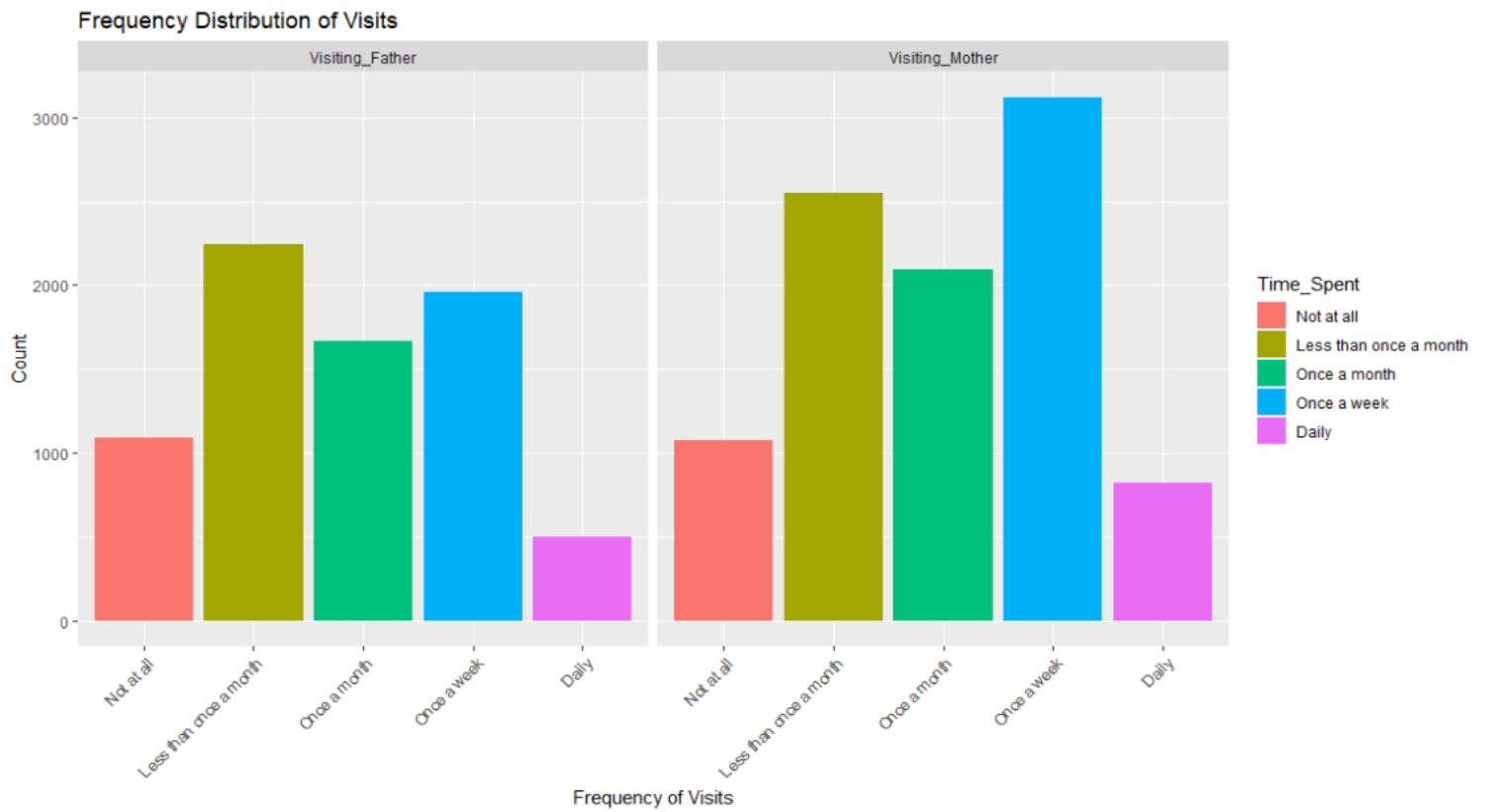
- Frequency Distribution for 'Time_with_kids':

- Generated a frequency table for the recoded `Time_with_kids` variable.
- The table was labeled and ordered based on the original order of the

`TSA_030` variable, which was used to derive `Time_with_kids`.

Frequency Distribution		
Variable: <code>Time_with_kids</code>		
<code>Time_with_kids</code>	Code	Frequency
Not at all	1	144
Less than once a month	2	52
Once a month	3	76
Once a week	4	204
Daily	5	122

- Frequency ggplots for Visiting_Father and Visiting_Mother



Regression Results:

Model Specification:

- Dependent Variable: `Time_with_kids`
- Independent Variables:
 - `Visiting_Father`
 - `Visiting_Mother`
 - `SEX`

Regression Results

Dependent variable:	
Time_with_kids	
Visiting_Father	0.264*** (0.096)
Visiting_Mother	-0.093 (0.099)
SEX	0.318** (0.161)
Constant	2.287*** (0.316)
Observations	342
R2	0.040
Adjusted R2	0.031
Residual Std. Error	1.470 (df = 338)
F Statistic	4.695*** (df = 3; 338)
Note: *p<0.1; **p<0.05; ***p<0.01	