

# A study of effect of having children on chance of having affairs for men and women

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## Abstract

This study investigated the research question that the effect of having children for men and women on the chance of having affairs. It was found a woman becoming a mother would be less likely to having affair as they would be overly protective after they become new mothers. It was also found a man becoming a father would be more likely to having affairs as they are likely to feel constrained after they become new fathers.

**Keywords:** affairs; extramarital sex;

## 1 Introduction

This study is interested in the research question that chance of having affairs affected by whether having children for men and women. This question is interested because it is claimed that when a woman becoming a mother, she would be less likely to having affairs but it is also claimed that when a man becoming a father, he would be more likely to having affairs. These kinds of claims might be found in lots of locations especially from TV shows where man always tend to have extramarital sex when they becoming a new father but woman always not when she becoming a new mother, these might be some kind research human behaviour as it belevies that women become overly protective after they become new mothers so they avoid having extramarital sex while men are likely to feel constrained after they become new fathers leading to having more extramarital sex.

## 2 Data

The data set used in this study is a well known Affairs data. The data source could be found in the link:<https://vincentarelbundock.github.io/Rdatasets/articles/data.html>.

## 3 Model

The model used to analysis the data is a logistic model as below:

$$\begin{aligned} \text{logit}(P(Y_i = 1)) = & \beta_0 + \beta_1 \text{age} + \beta_2 \text{married} + \beta_3 \text{female} + \dots \\ & + \dots + \beta_p \text{gender} \times \text{children} \end{aligned}$$

The response is whether affairs.

The covariates include are age, gender, married, religiousness, children or not.

## **4 Results**

It was found that the male is indeed has more chance to have affairs especially when they have children while female has less change having affairs when they have children.

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## **5 Discussion**

## **6 References**

## **7 Appendix**