# Mock Paper

**A reproducible manuscript written in Quarto.**

## Introduction

What did the fox say. What did the fox say. What did the fox say. What did the fox say. What did the fox say. What did the fox say. What did the fox say. What did the fox say. What did the fox say.

## Data

```
## Dependencies
library(tidyverse)
library(reactable) ## Interactive tables
library(highcharter) ## Interactive viz
library(sjPlot) ## Model sumamry
library(lme4) ## Mixed models

## Figure 1 Data
data_fig1 =  data.frame(
    stringsAsFactors = FALSE,
    name = c(
      "The Left",
      "Social Democratic Party",
      "Alliance 90/The Greens",
      "Free Democratic Party",
      "Christian Democratic Union",
      "Christian Social Union in Bavaria",
      "Alternative for Germany"
    ),
    count = c(69, 153, 67, 80, 200, 46, 94),
    col = c("#BE3075", "#EB001F", "#64A12D", "#FFED00",
            "#000000", "#008AC5", "#009EE0"
```

```
    ),
    abbrv = c("DIE LINKE", "SPD", "GR???NE", "FDP", "CDU", "CSU", "AfD")
  )

## Figure 2 Data
data(GNI2014, package = "treemap")
data_fig2 = GNI2014


## Figure 3 Data
data("sleepstudy")
data("efc")
efc$cluster <- as.factor(efc$e15relat)
```

For this paper we will be using some dummy data. The libraries and data simulation or imports are shown above.

## Methods

```
m1 <- lmer(neg_c_7 ~ c160age + c161sex + e42dep + (1 | cluster), data = efc)
m2 <- lmer(Reaction ~ Days + (1 + Days | Subject), data = sleepstudy)
```

We fit the following model. We specificied age as What did the fox say.

$$y = x_1\beta_1 + x_2\beta_2 + x_2^2\beta_3 + \varepsilon \tag{1}$$

## Model

What did the fox say. What did the fox say. What did the fox say. What did the fox say. What did the fox say. What did the fox say. What did the fox say. What did the fox say. What did the fox say.

::: {.cell}

```
tab_model(m1, m2)
```

::: {#fig-map .cell-output-display}

Negative impact with 7items

Reaction

Predictors

Estimates

CI

p

Estimates

CI

p

(Intercept)

6.55

4.86 – 8.23

<0.001

251.41

237.94 – 264.87

<0.001

carer'age

-0.00

-0.03 – 0.02

0.802

carer's gender

0.47

-0.08 – 1.02

0.094

elder's dependency

1.45

1.19 – 1.71

<0.001

Days

10.47

7.42 – 13.52

<0.001

Random Effects

2

12.61

654.94

00

0.50 cluster

612.10 Subject

11

35.07 Subject.Days

01

0.07 Subject

ICC

0.04

0.72

N

8 cluster

18 Subject

Observations

888

180

Marginal R2 / Conditional R2

0.127 / 0.160

0.279 / 0.799

Foxes realy like maps but are hard to find. ::: :::

## Discussion

However our modeling reports that tail length significantly affects cuteness, see **?@fig-map**. What did the fox say. What did the fox say. What did the fox say. What did the fox say. What did the fox say. What did the fox say. What did the fox say. What did the fox say. What did the fox say.