

# Paper Template

Jennifer Lin

Northwestern University

Sample Abstract

## CONTENTS

<b>1</b>	<b>Introduction</b>	<b>1</b>
1.1	A Subsection . . . . .	1
<b>2</b>	<b>Tables and Graphics</b>	<b>2</b>
2.1	Math Equations . . . . .	3
<b>3</b>	<b>Insert Code</b>	<b>3</b>
<b>4</b>	<b>Multiple Columns text</b>	<b>4</b>

---

## 1 INTRODUCTION

Begin Writing paper here

### *1.1 A Subsection*

I am citing a paper here Graham et al. (2009)

## 2 TABLES AND GRAPHICS

Here is a table using the `booktabs` package

Table 1: *Caption for the Table*

Foundation	Instances		$t$	Effect Size ( $d$ )
	Democrat	Republican		
Harm	9.03	10.7	-0.867	-0.144
Fairness	2.04	2.84	-1.260	-0.222
Ingroup	3.34	5.34	-2.487*	-0.431
Authority	3.20	8.97	-5.053***	-1.007
Purity	1.88	4.06	-4.347***	-0.714

Notes: (\*) $p = .1$ , \* $p = .05$ , \*\* $p = .01$ , \*\*\* $p \leq .001$

Here is a Figure

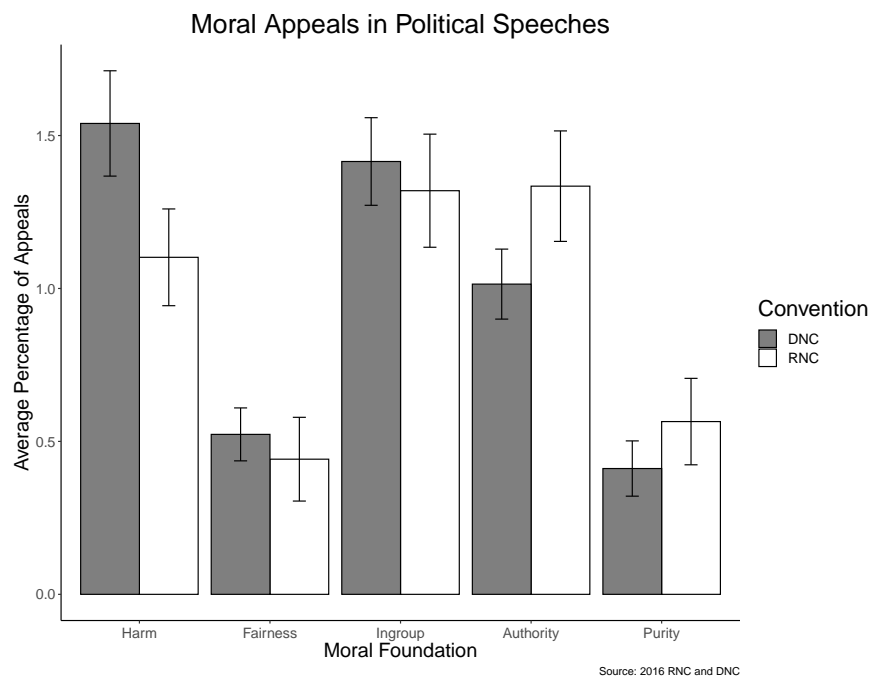


Figure 1: Caption for the graph

## 2.1 Math Equations

Here is a math equation in two ways

$$E = mc^2 \tag{1}$$

$$E = mc^2$$

## 3 INSERT CODE

```
1 import numpy as np
2
3 def incmatrix(genl1, genl2):
4     m = len(genl1)
5     n = len(genl2)
6     M = None #to become the incidence matrix
7     VT = np.zeros((n*m, 1), int) #dummy variable
8
9     #compute the bitwise xor matrix
10    M1 = bitxormatrix(genl1)
11    M2 = np.triu(bitxormatrix(genl2), 1)
12
13    for i in range(m-1):
14        for j in range(i+1, m):
15            [r, c] = np.where(M2 == M1[i, j])
16        for k in range(len(r)):
17            VT[(i)*n + r[k]] = 1;
18            VT[(i)*n + c[k]] = 1;
19            VT[(j)*n + r[k]] = 1;
20            VT[(j)*n + c[k]] = 1;
21
22    if M is None:
23        M = np.copy(VT)
24    else:
25        M = np.concatenate((M, VT), 1)
26
```

```
27 VT = np.zeros((n*m,1), int)
28
29 return M
```

## 4 MULTIPLE COLUMNS TEXT

thing 1

thing 2

## REFERENCES

Graham, J., J. Haidt, and B. A. Nosek (2009). Liberals and conservatives rely on different sets of moral foundations. *Journal of personality and social psychology* 96(5), 1029.