

# Title of the manuscript

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**Abstract:** Abstract text

**Keywords:** Keyword1; Keyword2; Keyword3.

## 1 Section 1

Text for the first section. This section will have two subsections.

The hat matrix is defined as

$$H = X(X^T X)^{-1} X^T$$

Please note we use  $\cdot^T$  to mean transposed matrices and vectors.

### 1.1 Section 1.1

Text for the first subsection within section 1. (Do you really need subsections ?)

### 1.2 Section 1.2

Text for the second subsection within section 1.

## 2 Section 2

Text for the second section. This section will have no subsections.

We refer to Table 1 for a summary of our main results. Have a look to Table 2 for an additional example.

Finally a figure (in .pdf!)

We refer to Figure 1 for a graphical representation.

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TABLE 1. Caption text **ABOVE** the table.

Title col1	Title col2	Title col3
row1 col1	row1 col2	row1 col3
row2 col1	row2 col2	row2 col3
row3 col1	row3 col2	row3 col3

TABLE 2. Caption text **ABOVE** the table.

Title for cols 2 -3		
Title1	Title2	Title3
	<i>a</i>	<i>c</i>
	<i>b</i>	<i>d</i>
Total	<i>a + b</i>	<i>n</i>



FIGURE 1. Caption text **BELOW** the figure.

**Acknowledgments:** Special Thanks to ...

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