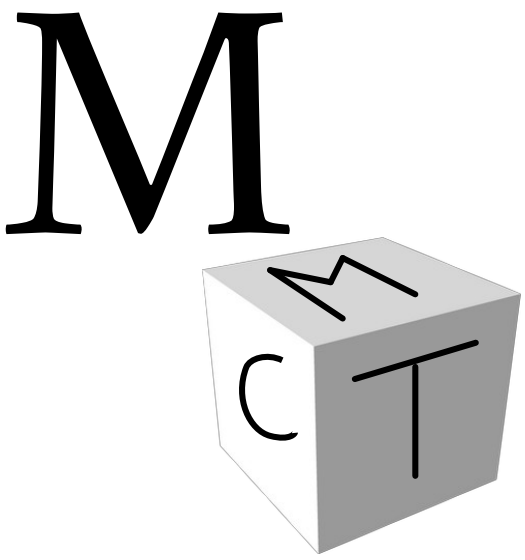

MMCT Python Package Documentation

Version 1.1.2

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Contents

List of Code Listings

```
function X = BitXorMatrix(A,B)
%function to compute the sum without charge of two vectors

        %convert elements into usigned integers
        A = uint8(A);
        B = uint8(B);

        m1 = length(A);
        m2 = length(B);
        X = uint8(zeros(m1, m2));
        for n1=1:m1
                for n2=1:m2
                        X(n1, n2) = bitxor(A(n1), B(n2));
                end
        end
```

Listing 1: Example from external file

1 Introduction

The purpose of this software is to perform a statistical test on a dataset, in order to determine whether the data has been generated from a multinomial distribution. The name of the package, `mmct`, is an abbreviation of "Multinomial Monte Carlo Test". As the name suggests, the statistical test is performed using a Monte Carlo simulation. This document describes how this is done and how to interact with the code to perform a test.

2 Including code samples

Code can be printed using the minted or listings packages, or several other tools. Listing 1 shows an example of typesetting code from an external file.

Alternatively, code can be written directly in your .tex files, as in Listing 2. It's also possible to typeset syntax-highlighted code inline with a number of code listing packages. Check the documentation for the package you're using for more details. For example, section 3.3 of the Minted package documentation[1] gives some examples and guidelines, as does our help article on code highlighting with minted[2]. Forums such as TeX StackExchange[3] and

[1] http://texdoc.net/pkg/minted
[2] https://www.overleaf.com/learn/latex/Code_Highlighting_with_minted
[3] https://tex.stackexchange.com/

```python
print("Hello World")
```

Listing 2: Example Python code

LaTeX Community[4] are also a great source of tips.

[4] https://latex.org/forum/