

1 MiniProject: Population growth modelling

2 Maddalena Cella

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4 1 Introduction

5 The R script TAutoCorr.R aims to answer the question: *Are temperatures of*
6 *one year significantly correlated with the next year, across years in a given*
7 *location?*

8 2 Methods

9 2.1 Computing Tools

10 The approximate p-value was calculated as the fraction of the correlation
11 coefficients obtained from the permutations (a) that were greater than the
12 correlation coefficient from the unpermuted dataset (b).

$$pvalue = \frac{\text{instances of } a > b}{\text{total number of } a(s)} = 0.0$$

13 3 Results

14 At a given location, the temperatures of successive years are significantly
15 correlated.

16 4 Discussion

17 As...

18 ...