# High-dimensional imputation for the social sciences: a comparison of state-of-the-art methods

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Abstract

This is some abstract.

## 1 Introduction

A strong and commanding introduction

### 1.1 The power of knowing

Followed by a good description

## 2 Imputation methods and algorithms

A selection of methods

### 2.1 Method 1

Very cool method 1.

### 2.2 Method 2

Very cool method 2.

**2.2.1 Aspect 1.** Aspect 1

**2.2.2 Aspect 2.** Aspect 2

## 3 Simulation study 1

Why we did what we did.

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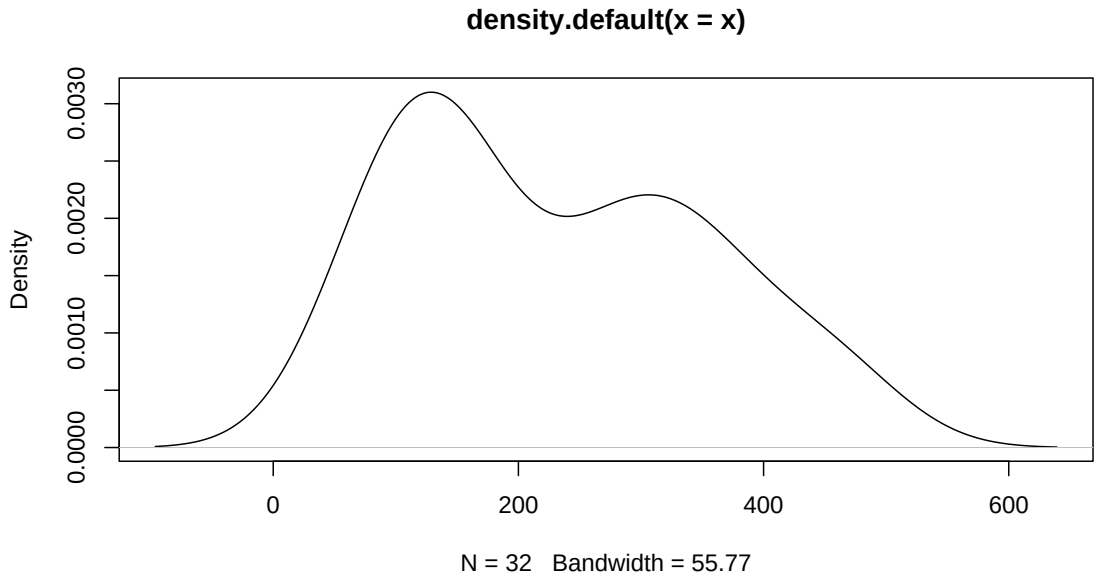


*Figure 1*. Some caption

### 3.1 Simulation study procedure

**3.1.1 Data generation.** How we generated data
**3.1.2 Missing data imposition.** How we imposed missing data
**3.1.3 Imputation.** Imputation models specification
**3.1.4 Analysis and comparison criteria.** Outcome measures

### 3.2 Results

What results did we report
**3.2.1 Aspect 1.** Here is a picture of what happened
**3.2.2 Aspect 2.** This is something else we found.

## 4 Simulation study 2

Why we did what we did.

### 4.1 Simulation study procedure

**4.1.1 Data generation.** How we generated data
**4.1.2 Missing data imposition.** How we imposed missing data
**4.1.3 Imputation.** Imputation models specification
**4.1.4 Analysis and comparison criteria.** Outcome measures

### 4.2 Results

What results did we report
**4.2.1 Aspect 1.** Here is a picture of what happened

#### 4.2.2 Aspect 2.

This is what we find

## 5 Limitations and future directions

This is what's left to be done.

## 6 Discussion

### 6.1 Methods that work well

Discuss it.

### 6.2 Methods with mixed results

And discuss it.

## 7 Availability of data and materials

The EVS data that support the findings of this study are openly available in GESIS Data Archive at https://doi.org/10.4232/1.13511, reference number ZA7500.

## 8 Code availability

The code used for the study is available at the corresponding author's GitHub page: [https://github.com/EdoardoCostantini/some-url]. Please read the README.md files for instructions on how to replicate the results.

## 9 References