

AssignmentB

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- verhaaltje over wat we gaan doen
 - daadwerkelijk naive imputatie doen
 - imputatie beschrijven (de plots o.a.)
 - data invullen n.a.v. imputatie
 - data beschrijven
 - aangeven wat we willen veranderen voor assignment C

Imputations

After observing the data for missing values, we now try to solve the missingness problem by doing multiple imputation with the package `mice`. In first instance we will use the default settings to impute the missingness, this will be further elaborated in the Default Imputations section. After the the default imputations we will evaluate the quality of the imputations by examining multiple plots about the convergence and the distribution. This will be done in the Evaluating Default Imputations section. After evaluating the default imputations, we will make an outline of how the imputations can be improved, by using more sophisticated imputations. This will be discussed in the Improving the Imputations section.

Table 1: Predictor Matrix of Default Imputations

	age	smoke	sex	intensity	active	rest	height	weight	bmi
age	0	1	1	1	1	1	1	1	1
smoke	1	0	1	1	1	1	1	1	1
sex	1	1	0	1	1	1	1	1	1
intensity	1	1	1	0	1	1	1	1	1
active	1	1	1	1	0	1	1	1	1
rest	1	1	1	1	1	0	1	1	1
height	1	1	1	1	1	1	0	1	1
weight	1	1	1	1	1	1	1	0	1
bmi	1	1	1	1	1	1	1	1	0

Default Imputations

Evaluating Default Imputations

Improving the Imputations





