



Missing Imputation with Scikit-learn: SimpleImputer()

SimpleImputer(): Advantages

- Simple to use if applied to the entire dataframe
- Maintained by the Scikit-learn developers: good quality code
- Fast computation (it uses NumPy for calculations)
- Allows for grid search over the various imputation techniques
- Allows for different missing values encodings (you can indicate if the missing values are np.nan, or zeroes, etc.)

SimpleImputer(): Limitations

- Returns a NumPy array instead of a pandas dataframe, inconvenient for data analysis
- Needs to use additional classes to select which features to impute:
 - requires more lines of code
 - additional classes still in beta (may change without warning)
 - not so straightforward to use anymore.

THANK YOU

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