

List of Abbreviations

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Abbreviation	Definition
AutoML	Automated Machine Learning
ANN	Artificial neural network
API	Automatic Programming Interface
CO₂	Carbon dioxide
CV	Coefficient of Variation
CRISP-DM	Cross-Industry Standard Process for Data Mining
DEM	Digital elevation model
DHW	Domestic hot water
DRF	Distributed Random Forest
EGID	Swiss Building Identification Number
ERA	Energy reference area
GFA	Gross floor area
GBM	Gradient Boosting Machine
GLM	Generalized Linear Model
GWh	Gigawatt hours
HEC	Heating Energy Consumption
HEPI	Heating Energy Performance Indicator
IPCC	Intergovernmental Panel on Climate Change
KNN	K-nearest neighbour
KWh	Kilowatt hours
MAE	Mean Absolute Error

Abbreviation	Definition
MAPE	Mean Absolute Percentage Error
MFH	Multi-Family House
MLR	Multiple linear regression
OECD	Organisation for Economic Co-operation and Development
RBD	Register of Buildings and Dwellings
RMSE	Root Mean Square Error
R²	Coefficient of Determination
SH	Space heating
SFH	Single-Family House
SHAP	Shapley Additive Explanations
STA BL	Cantonal Office of Statistics Basel-Landschaft
STATPOP	Population and Households Statistics
VIA	Variable importance analysis
XGB	Extreme Gradient Boosting