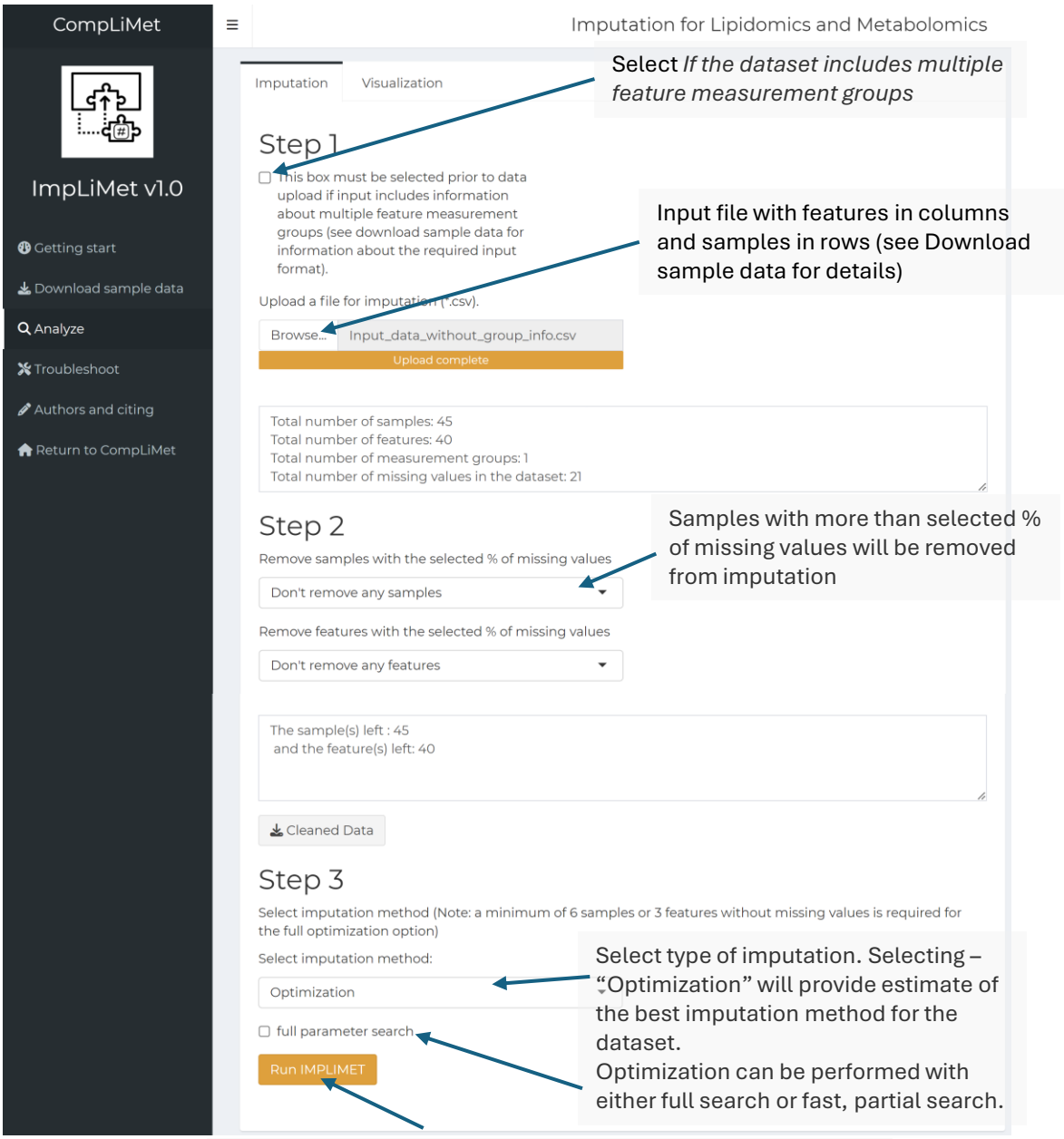
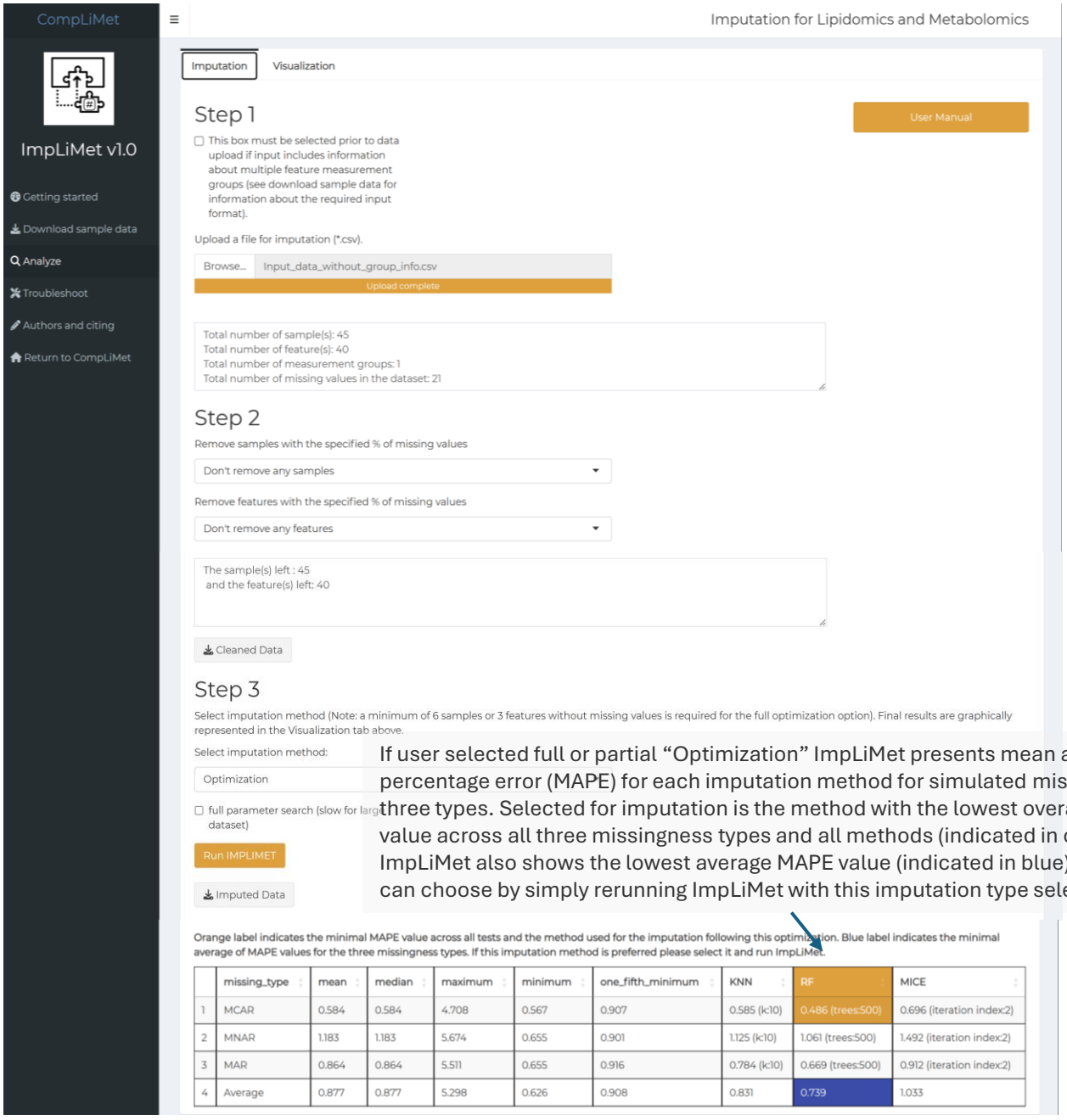
ImpLiMet – user manual

ImpLiMet provides an easy to utilize site for imputation of any dataset providing user with selection of previously proven imputation methods as well as possible information about the optimal method for their dataset for distinct missingness causes. Specific steps are provided below.





	missing_type	mean	median	maximum	minimum	one_fifth_minimum	KNN	RF	MICE
1	MCAR	0.584	0.584	4.708	0.567	0.907	0.585 (k:10)	0.486 (trees:500)	0.696 (iteration index:2)
2	MNAR	1.183	1.183	5.674	0.655	0.901	1.125 (k:10)	1.061 (trees:500)	1.492 (iteration index:2)
3	MAR	0.864	0.864	5.511	0.655	0.916	0.784 (k:10)	0.669 (trees:500)	0.912 (iteration index:2)
4	Average	0.877	0.877	5.298	0.626	0.908	0.831	0.739	1.033

Selecting the "**Visualization**" tab will open visual representation of the dataset properties for the set with removed rows and columns with missing values (in blue) as well as dataset imputed with selected method (in orange). Histogram as well as skewness and kurtosis show whether there is any skewness in the data distribution possibly indicating that missingness in some of the features comes from MNAR and bias towards missing high or low abundance data in the dataset. User can download these images as .svg files.