



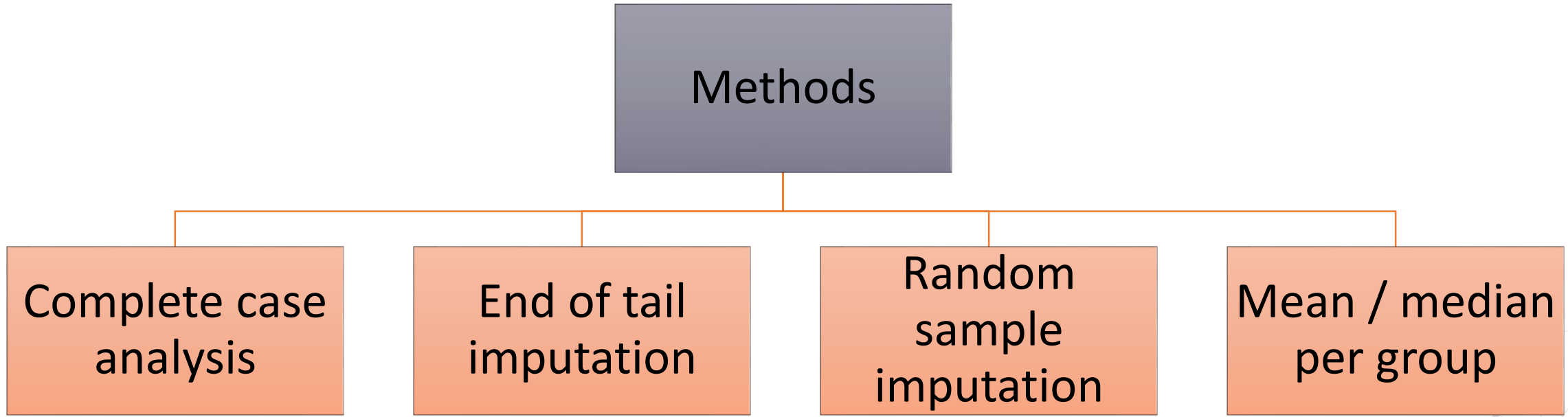
Alternative imputation methods



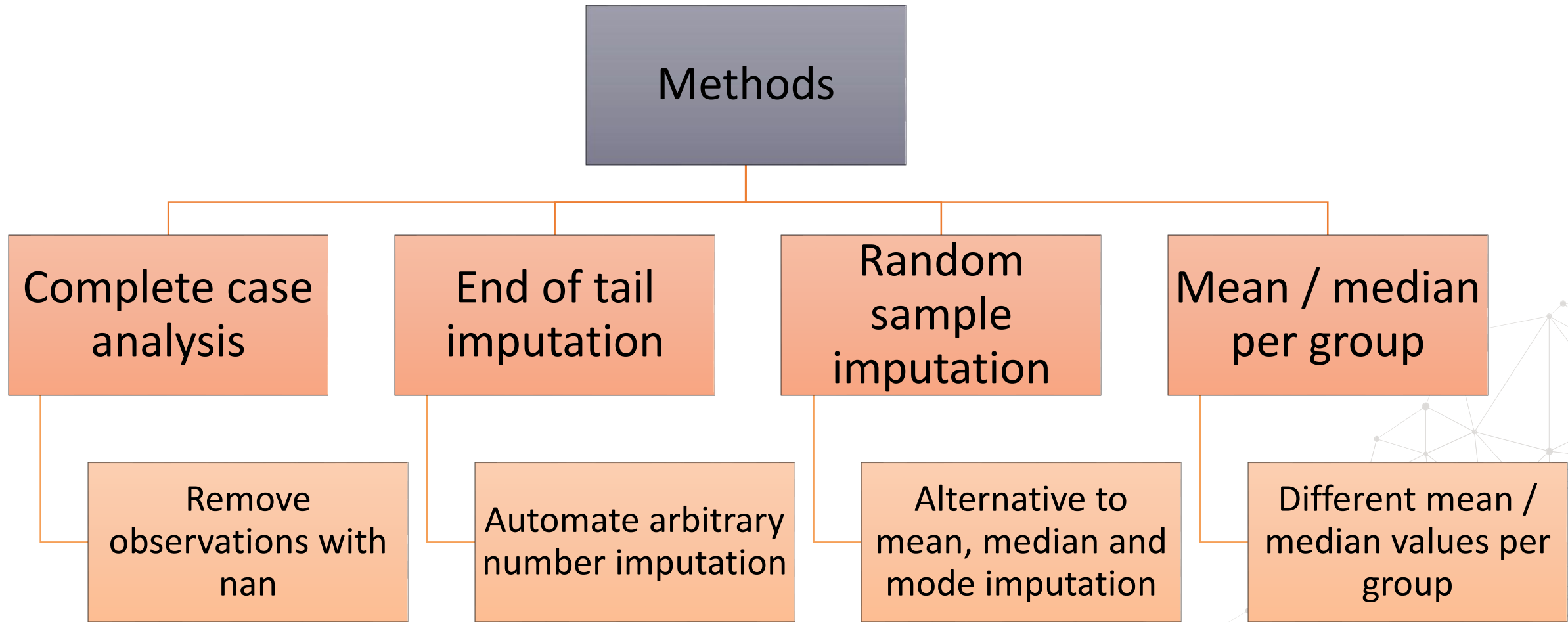
Imputation – what is it?

- Imputation consists in replacing missing data with statistical estimates of the missing values.
- The goal is to produce a **complete dataset** that can be used to train machine learning models.

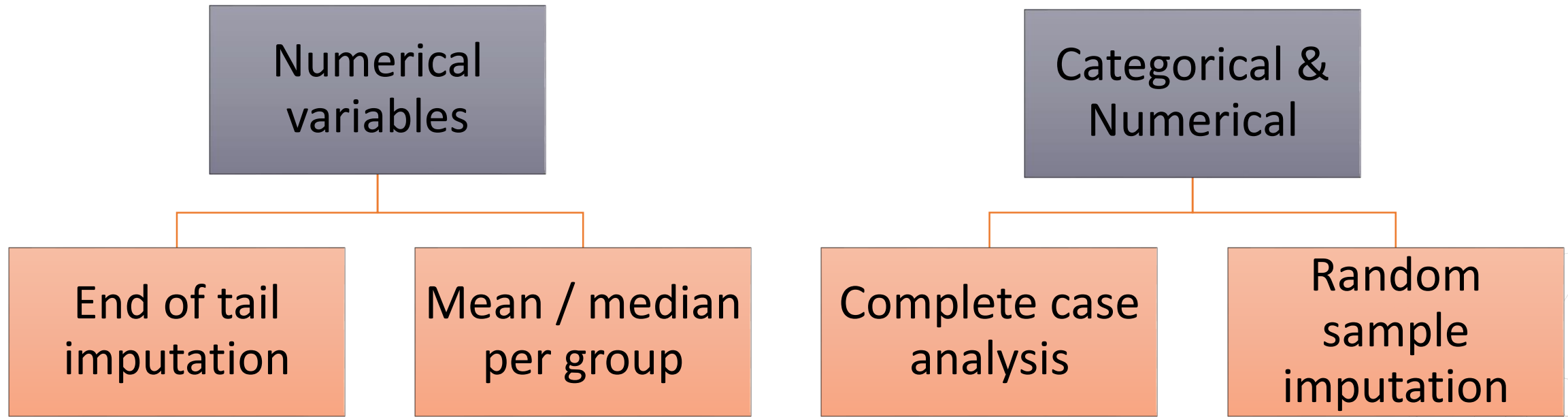
More imputation methods



More imputation methods



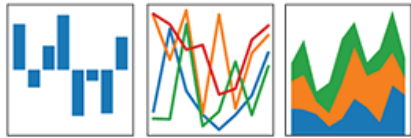
More imputation methods



Imputation: Open Source Libraries

pandas

$$y_{it} = \beta' x_{it} + \mu_i + \epsilon_{it}$$



Feature-engine



Objectives



Learn alternative imputation methods



Considerations when applying these methods



Implement them in pandas and Feature-engine



THANK YOU

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