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A model-based prediction analysis typically consists of three steps

- Discovery step
- Model-building step
- Model-validation step
- The samples in each step must be independent

1. Identification of age-associated CpGs

Regression analysis between DNA methylation and age

2. Model training and validation

- Determination of analysis platform (e.g. array, pyrosequencing, methylation SNaPshot)
- Model training: multivariate regression, random forest etc.



















