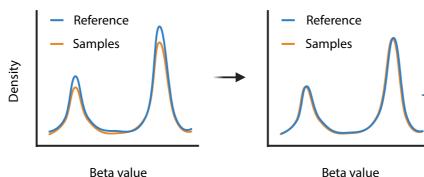


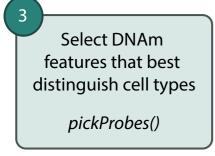
- IDOL reference (2018)
- IDOL extended reference (2022)
- Cord reference (2019)
- UniBlood (adult + cord) reference 7 cell types, 13 cell types, and 19 cell types

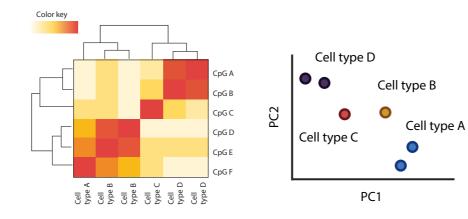
Normalize
reference and
sample data sets

combData()



- quantile normalize (RGset)
- noob normalize (RGset)
- functional normalize (RGset)
- quantile normalize (beta matrix)
- no normalization





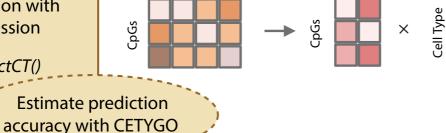
Cell Type

Samples

- *t*-test (top 100 probes)
- preselected probes: IDOL
- lasso
- elastic net (EL)
- random forest (RF)
- boosted logistic regression (BLR)
- decision tree (CART)
- gradient boosting machine (GBM)

Estimate cell type proportion with regression

predictCT()



Samples

- constraint projection (CP)
- robust partial correlation (RPC)
- support vector regression (SVR)