

[320] Regression 2

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Pipelines

feature DataFrame

fruit	weight
apple	1
orange	2
apple	3



estimator

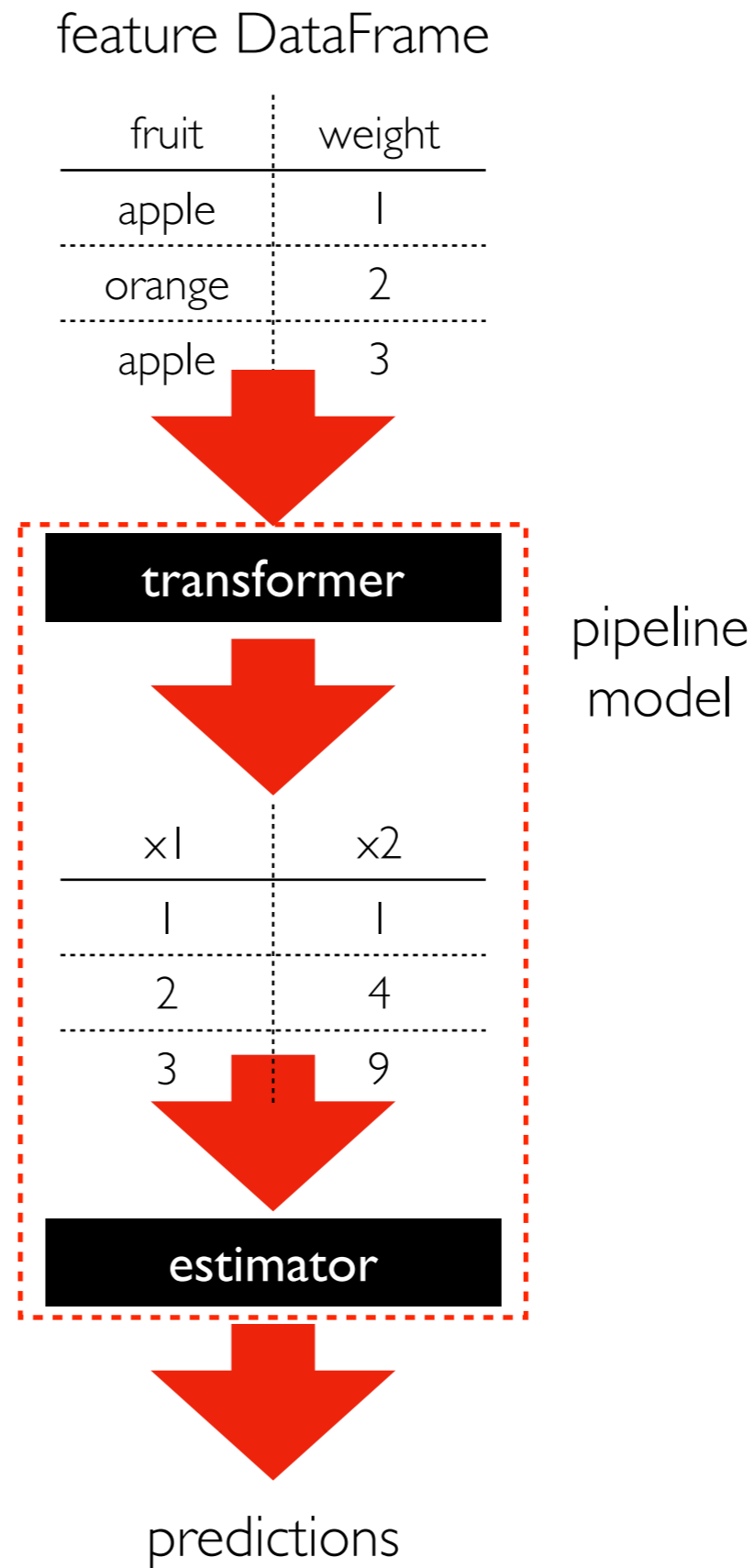
simple
model



predictions

Pipelines

pipeline applies transformers in **sequence** before estimation



Pipelines

feature DataFrame

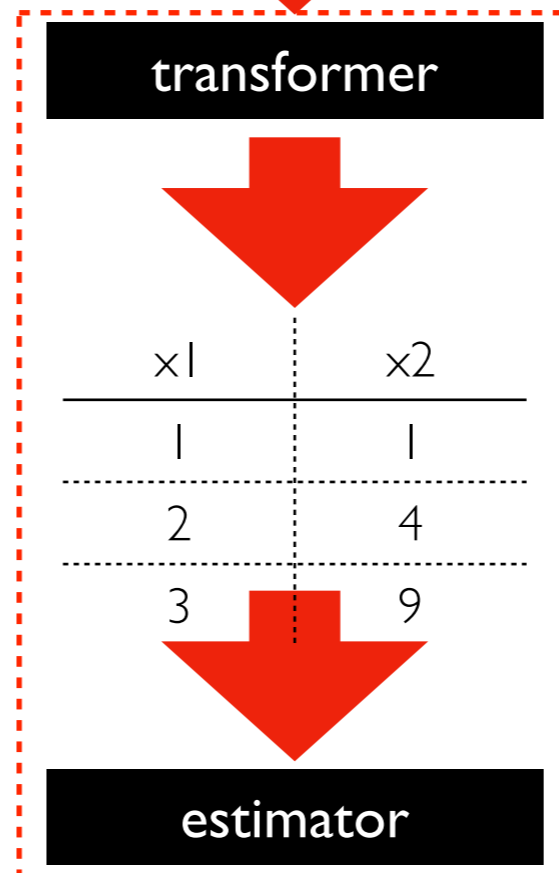
fruit	weight
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orange	2
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transformers:

- PolynomialFeatures
- OneHotEncoder
- StandardScaler
- KMeans
- PCA
- ColumnTransformer

estimators:

- LinearRegression
- LogisticRegression



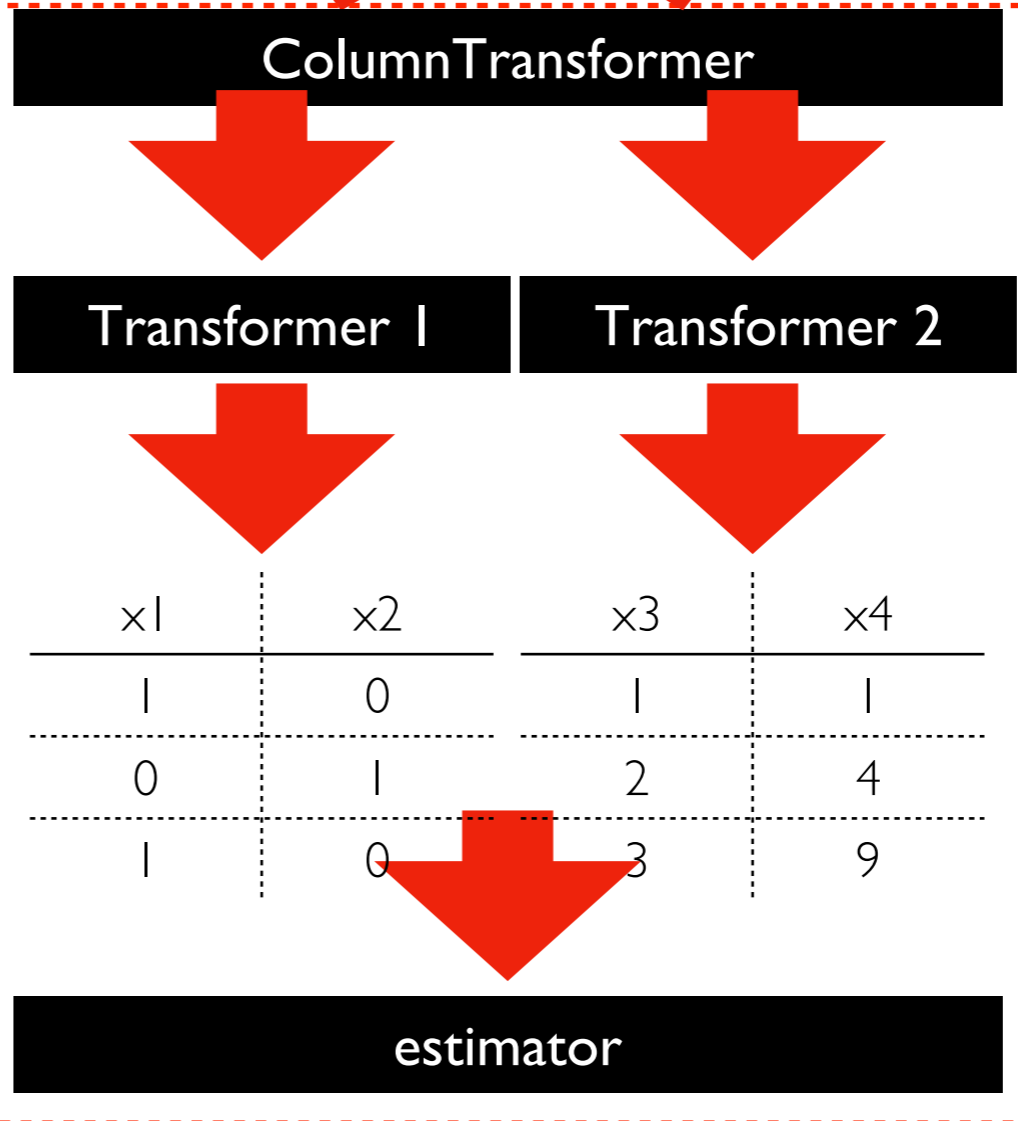
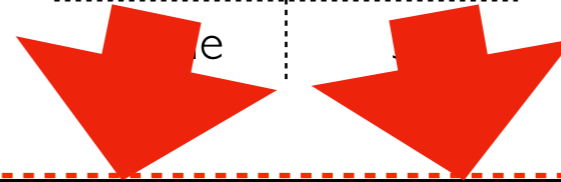
pipeline
model

predictions

ColumnTransformer

feature DataFrame

fruit	weight
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orange	2



predictions

ColumnTransformer applies one or more transformers in **parallel** before next step