



Predicting Home Loan Approval

To help the Consumer Financial Protection Bureau

Download

Mortgage Application

also complete

Additional Security Attachment for applications th

Additional Applicants Attachment for applica

or guarantors.

Details

you applying?

Buying a house: Tools and resources for homebuyers

Whether you're just thinking about buying a home or about to close, we help you take control of the process.



Fill out this survey to see if you are likely to be approved for a loan

Data

(Source: Consumer Financial
Protection Bureau)

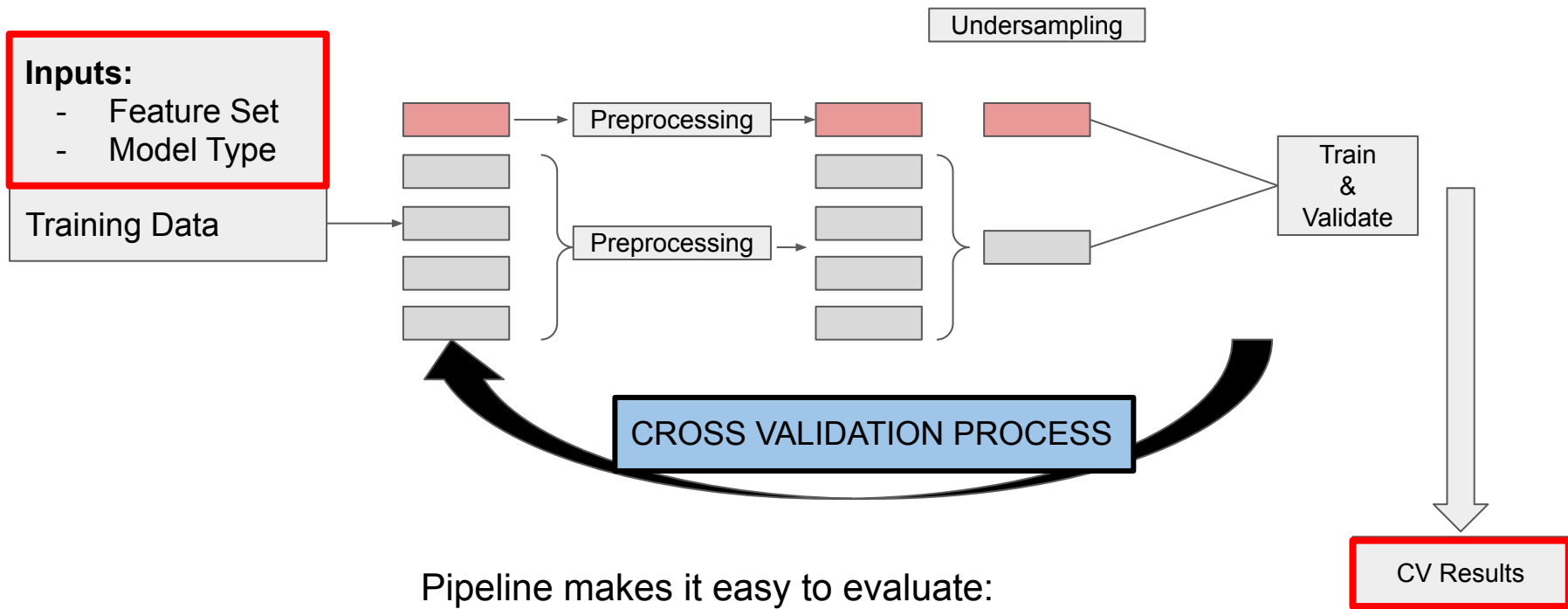
-
- California Mortgage Applications in 2017
 - ~1M Applications (~500k after downsampling)
 - Features
 - Loan details
 - Applicant financial and demographic info
 - Economics and demographics of location

**What to optimize
for?**

ROC AUC

GBM Classifier:

0.71 ROC AUC



Pipeline makes it easy to evaluate:

- Different feature sets
- Different model types

Next Steps - Create models for more states

1M+



14M+

