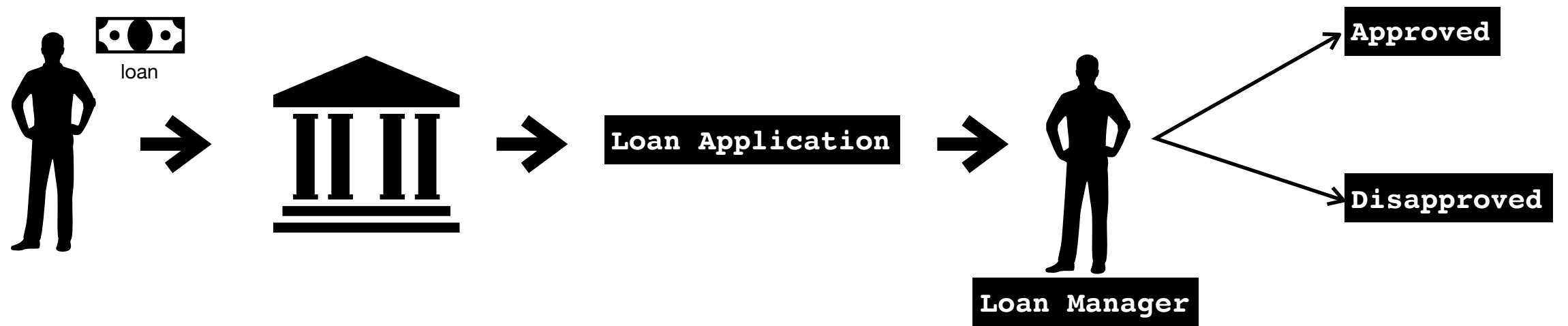


Loan Prediction

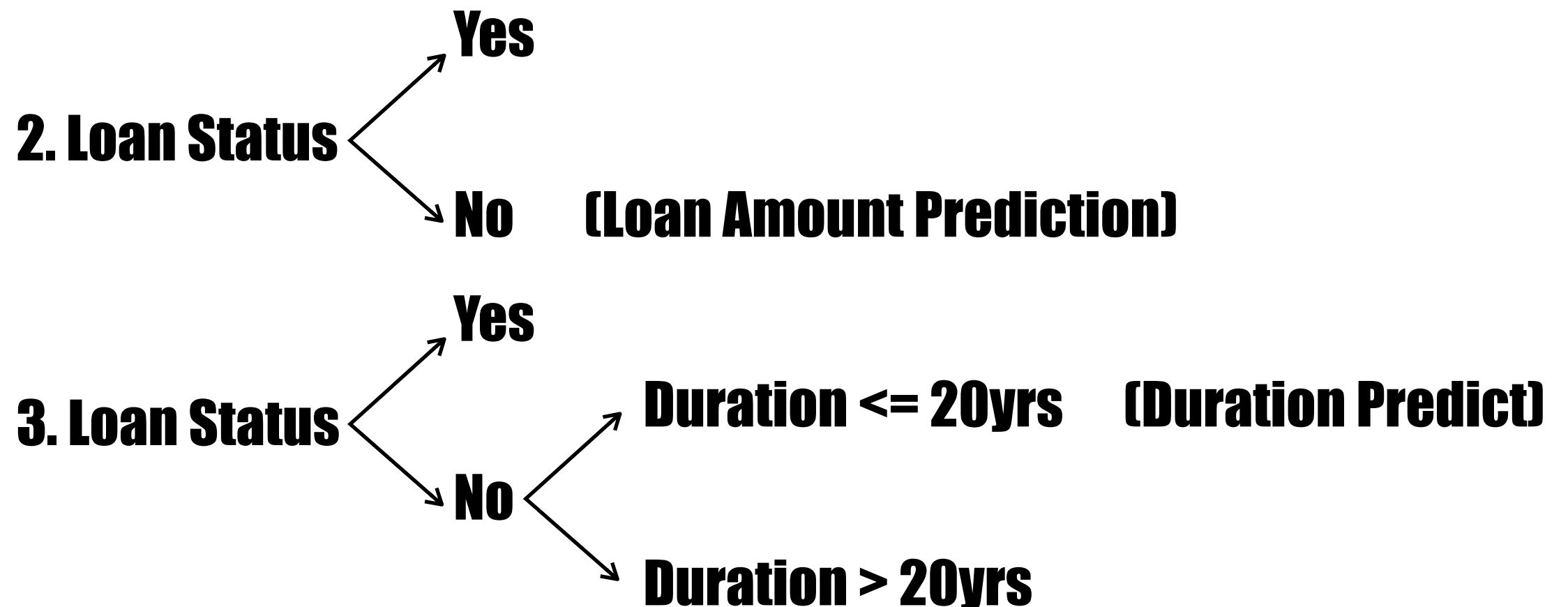


Last 10 years(185000 loan applications)

[illegible]

1. Loan Status(Prediction)

Problem Statment



Problem Statement:

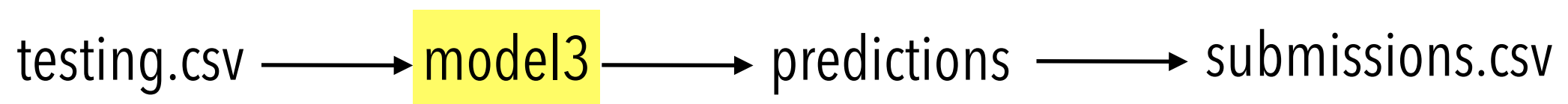
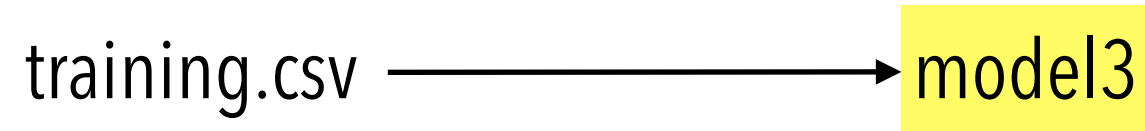
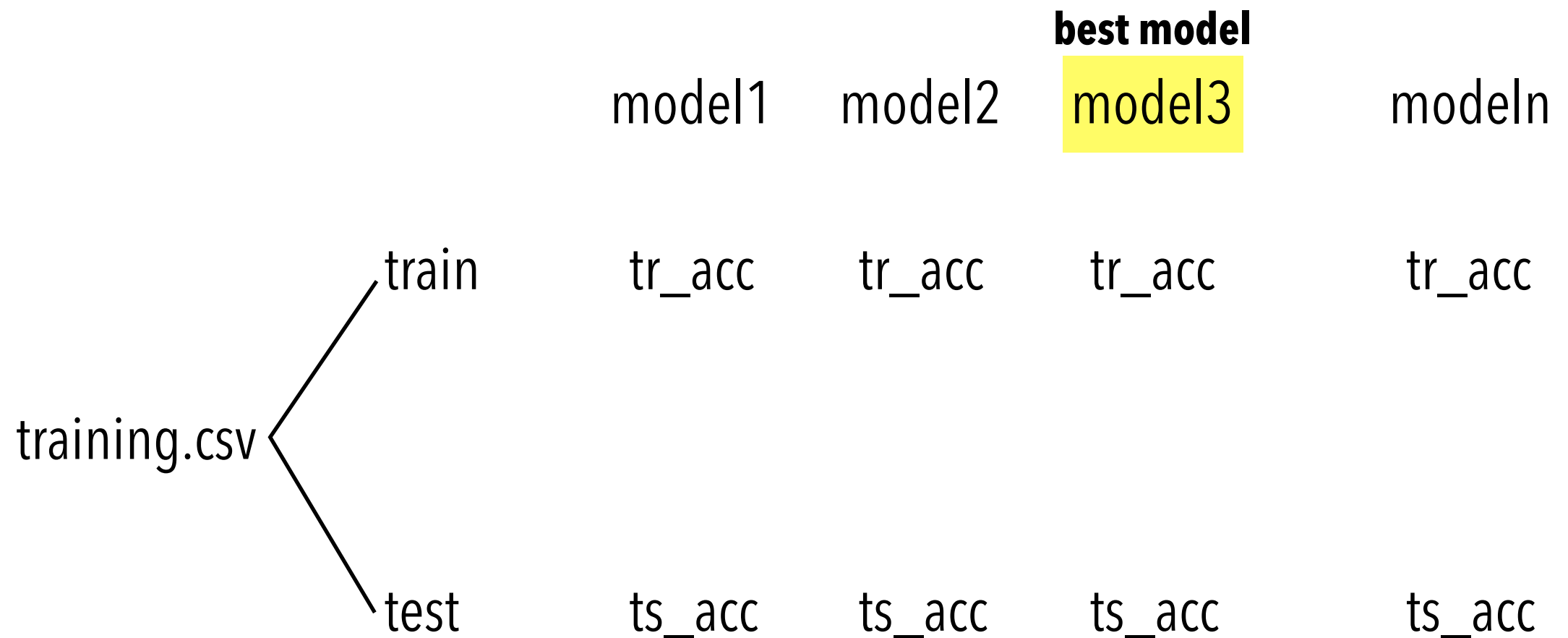
A Company wants to automate the loan eligibility process based on customer details provided while filling online application form. The details filled by the customer are Gender, Marital Status, Education, Number of Dependents, Income of self and co applicant, Required Loan Amount, Required Loan Term, Credit History and others. The requirements are as follows:

1.)Check eligibility of the Customer given the inputs described above.(Classification)

If customer is not eligible for the input required amount and duration:

2. what can be amount for the given duration.(Regression)

3. if duration is less than equal to 20 years, is customer eligible for required amount for some longer duration? What is that duration?(Regression)



Loan_ID, Loan_Status

Challenges in testing

train.csv

Loan Amt	State	Duration	Loan_Status(Y)
12010	MH	2	Y
14010	MH	2	Y
16010	KN	2	N
18010	TN	4	Y

train.csv-1

Loan Amt	STATE_MH	STATE_KN	STATE_TN	Duration	Loan_Status(Y)
0.97	1	0	0	0.97	1
1.03	1	0	0	1.08	1
-0.76	0	1	0	-0.76	0
1.02	0	0	1	1.02	1

train.csv-2

Loan Amt	State	Duration
12000	MH	2
16000	KN	2

train.csv-2-1

Loan Amt	STATE_MH	STATE_KN	Duration
0.93	1	0	0.82
0.82	0	1	0.82

NN

Error



A

B

C

D

E



1

2

3



train.csv-2-1-1

Loan Amt	STATE_MH	STATE_KN	STATE_TN	Duration
0.93	1	0	0	0.82
0.82	0	1	0	0.82