

ENM 531: Data-driven Modeling and Probabilistic Scientific Computing

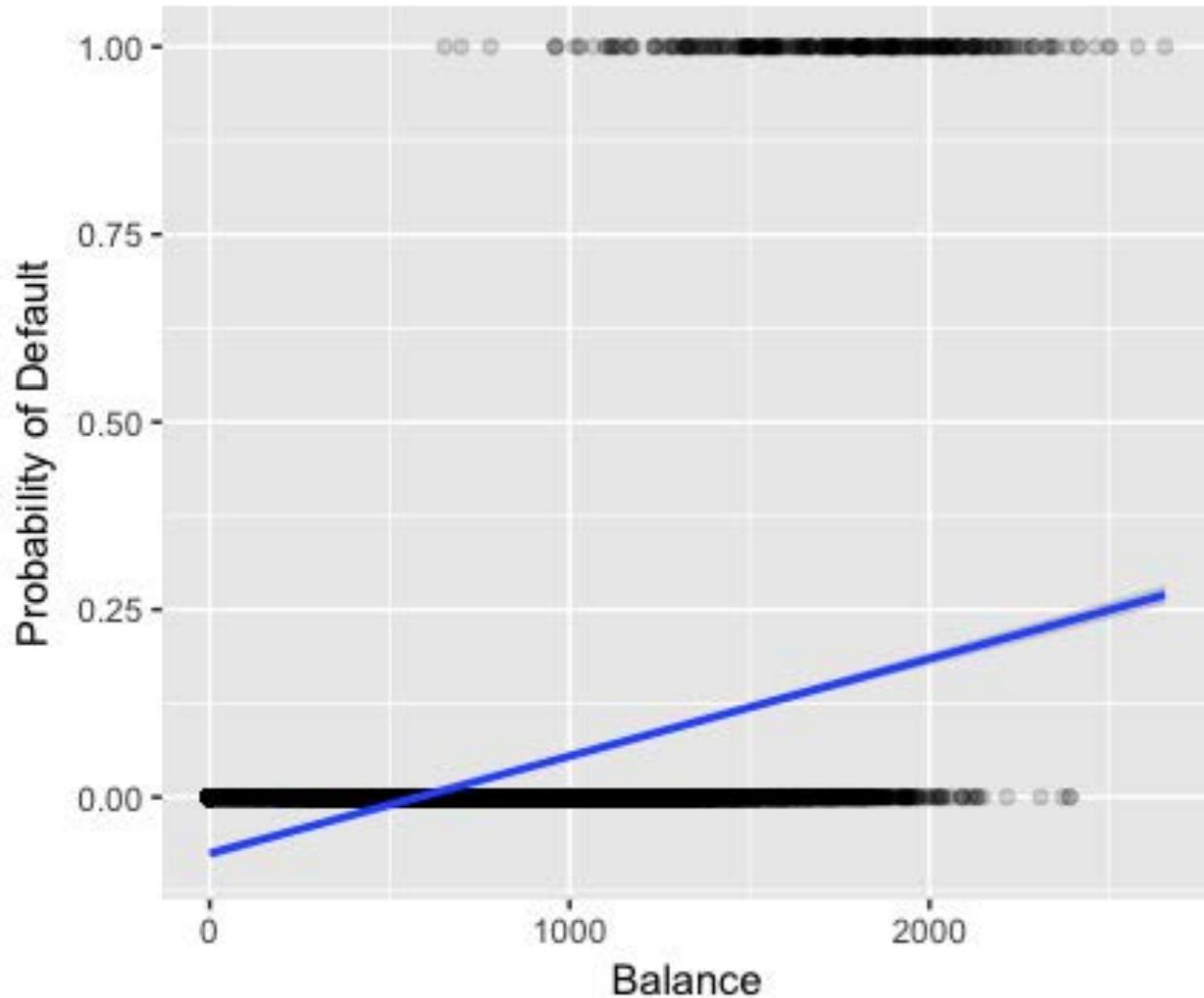
Lecture #6: Logistic regression

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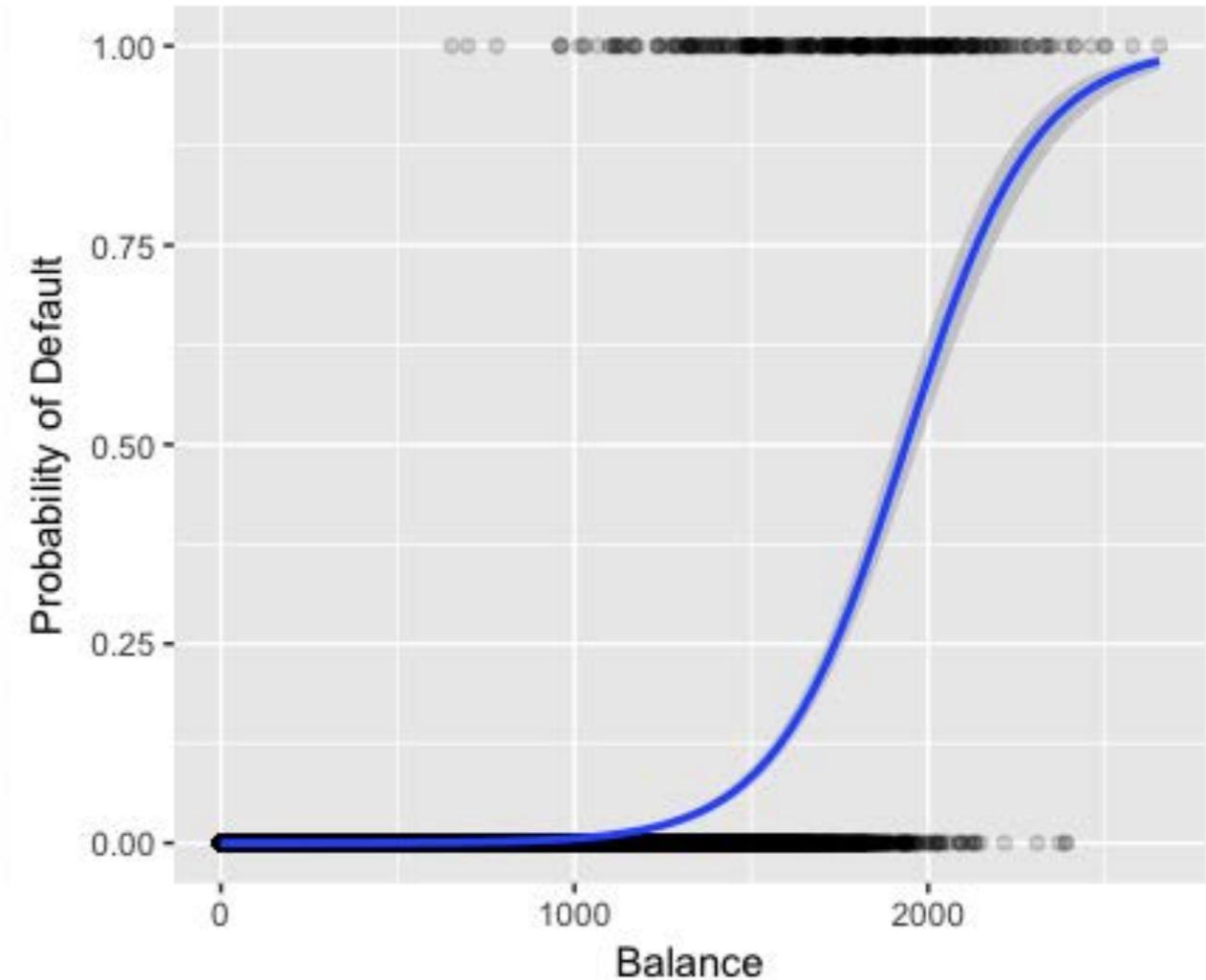


Logistic regression

Linear regression model fit



Logistic regression model fit



Confusion matrix

Actual	A	B	C	D	E	F	G	H	I	J
Predicted	A	12	0	0	0	0	0	1	0	0
A	12	0	0	0	0	0	0	1	0	0
B	0	10	0	0	0	0	0	0	2	0
C	0	0	10	0	0	0	7	0	0	0
D	0	0	1	18	0	0	0	0	0	0
E	0	0	0	0	18	0	0	0	0	0
F	0	3	2	0	0	15	0	0	0	0
G	0	0	0	0	0	0	17	0	0	0
H	1	0	2	0	0	2	3	12	0	0
I	0	3	1	1	0	0	1	0	13	0
J	1	1	0	3	0	0	5	0	0	8

