Kidge and lasso Regression Date
Train Accuracy = 901/ Staining chilased in training chilased due to Accuracy = 701/ Which our test predicted example
-> Under /tting
Train-Accuracy= 60%. Test Accuracy- 62%.
-) Now Bias (Train) -) High bias (Train) -) Tigh variance (Tot) -) High Variance (Tot)
Our main is to build Generalized model, — Low Bias (Thain) eg. 90%. — Low Variance (Test) Eg: 89%.
> TO prevent Overfitting, we use Ridge regression,
Ridge tessi regression is also called (1/2 regularization).

	Date
> Ridge Regression	And an experiment of the speciments of the speci
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includes and distribution and stands of the contract that are the contract that the	- This Graph Low relinear
	various Habich Is has
	dupy bed litted Dine which
	is overly fitted line which actual values.
	ONTHE VOLUES
X	actual values.
	- for the given regression
	Tor all diving disposition
	Cost Function:
*	m
	-1 (ho(x)'-(y)i)
fig(i)	-2m
ote: training data should	will be zero which
nte: training evertitled.	indicates highly overfitte
not be overflice.	
> Working of Ridg	e regression
- When the Model i	s overfitted with
hed lit line Ridge	leavesion adds two
Variables to the Co	temetion which
will be prevent Overfit	ting Condition.
C M	
1 7 (10 11) 1112	+ >1slope 12
(no(x) - g())	+ \((210be)
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for example from the graph, fig(i), the value one
of Cost function is zero because the
resolution error is difference between predicted
value and actual value is zero. The model Will be Overfitted. NOW, we can use Ridge Regression ine we have to reduce call hest-dit line + Which will cover most of the data points Vesulting the removal of Overfitti NESSAN