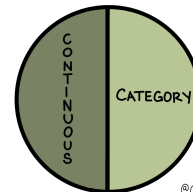
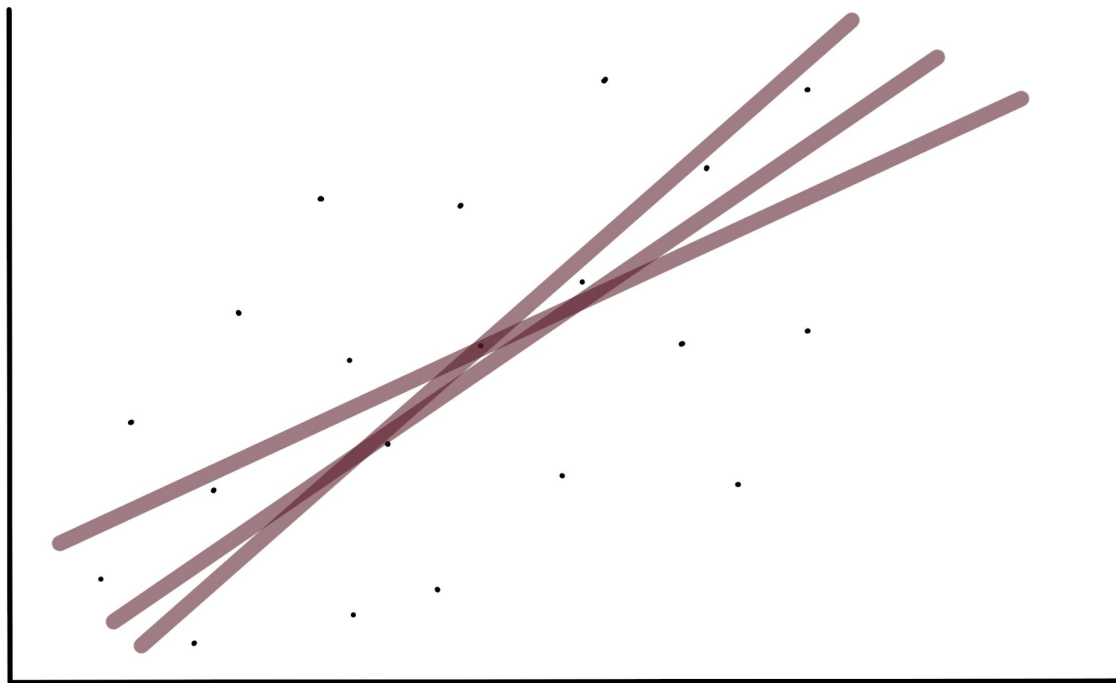


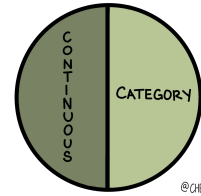
Choosing the line of best fit

PREDICT

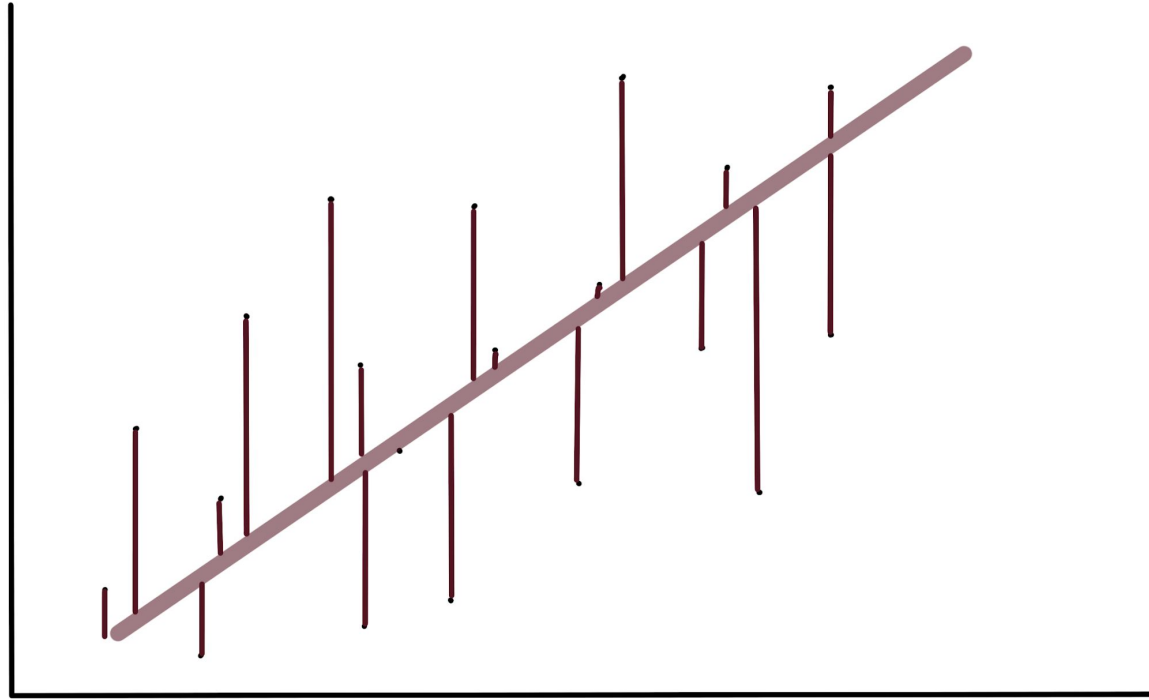


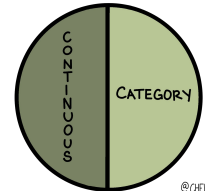
@HELSEAPARLETT





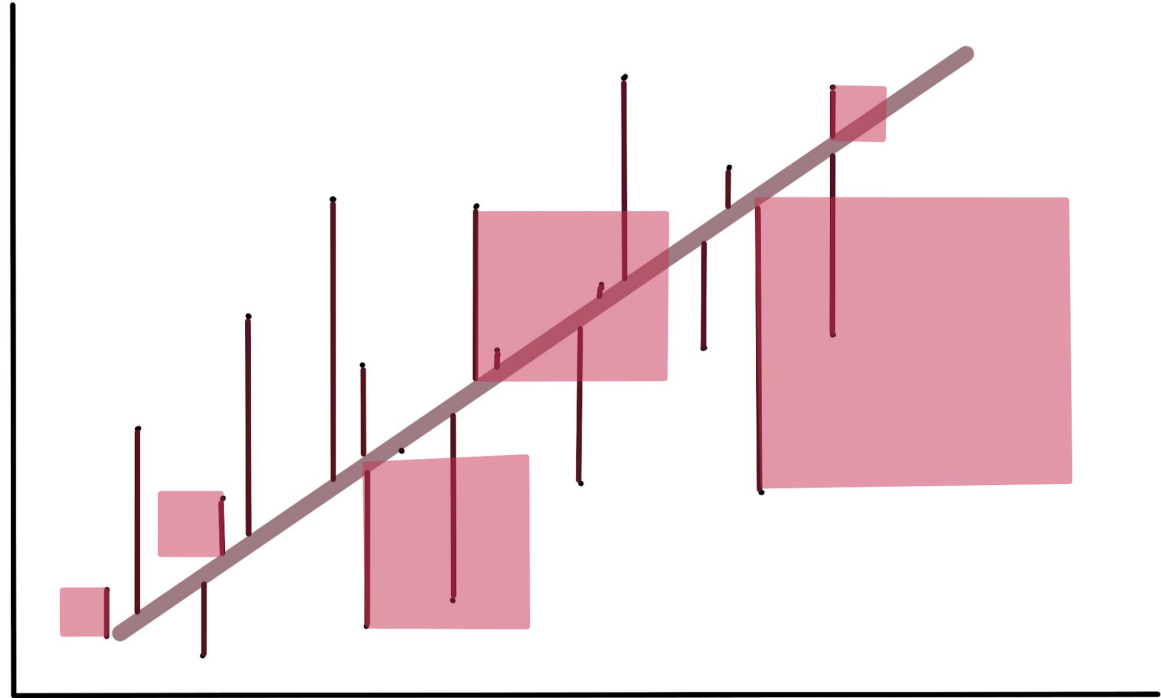
Choosing the line of best fit

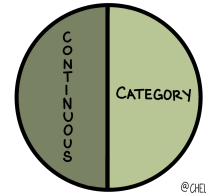




Choosing the line of best fit

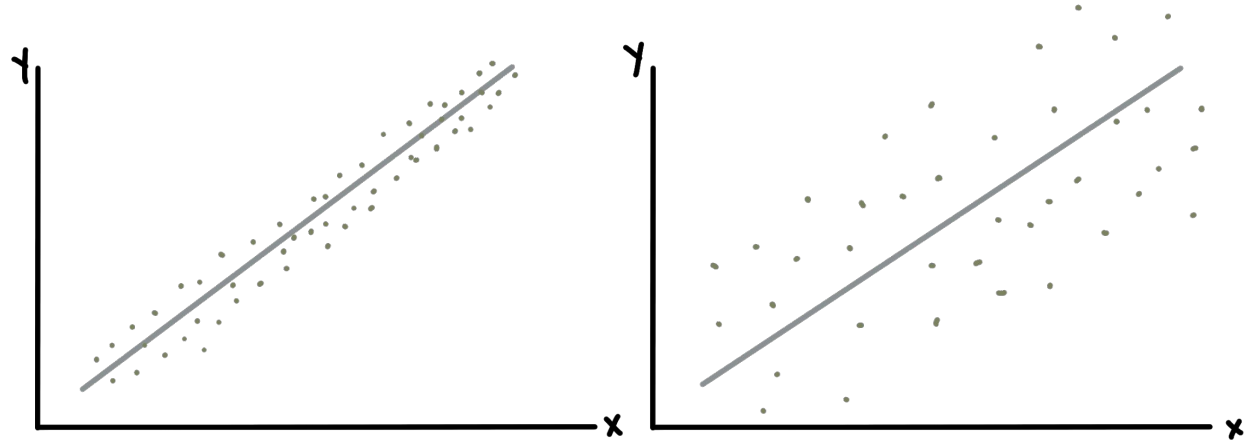
- Sum of Squared Errors
- Mean Squared Error



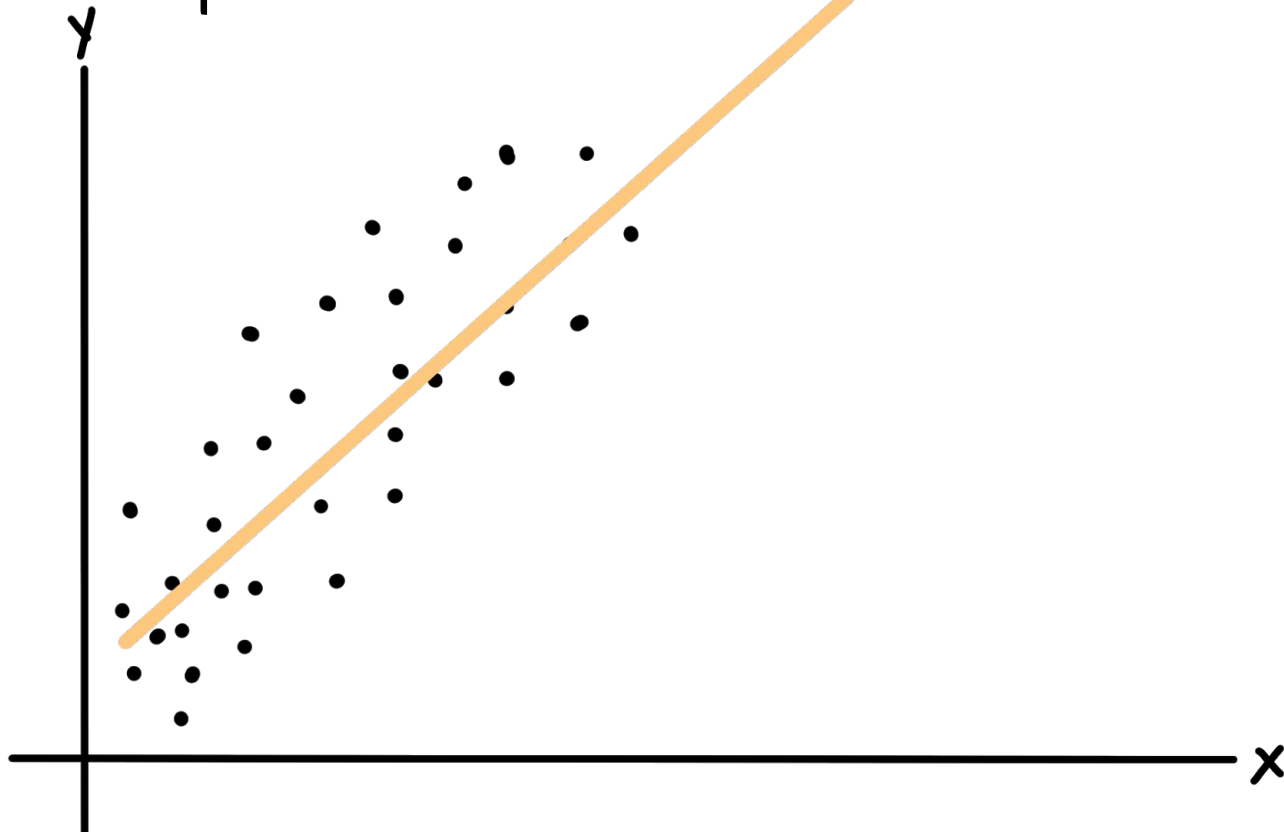


Choosing the line of best fit

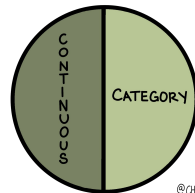
- Sum of Squared Errors
- **Mean Squared Error**



Don't extrapolate

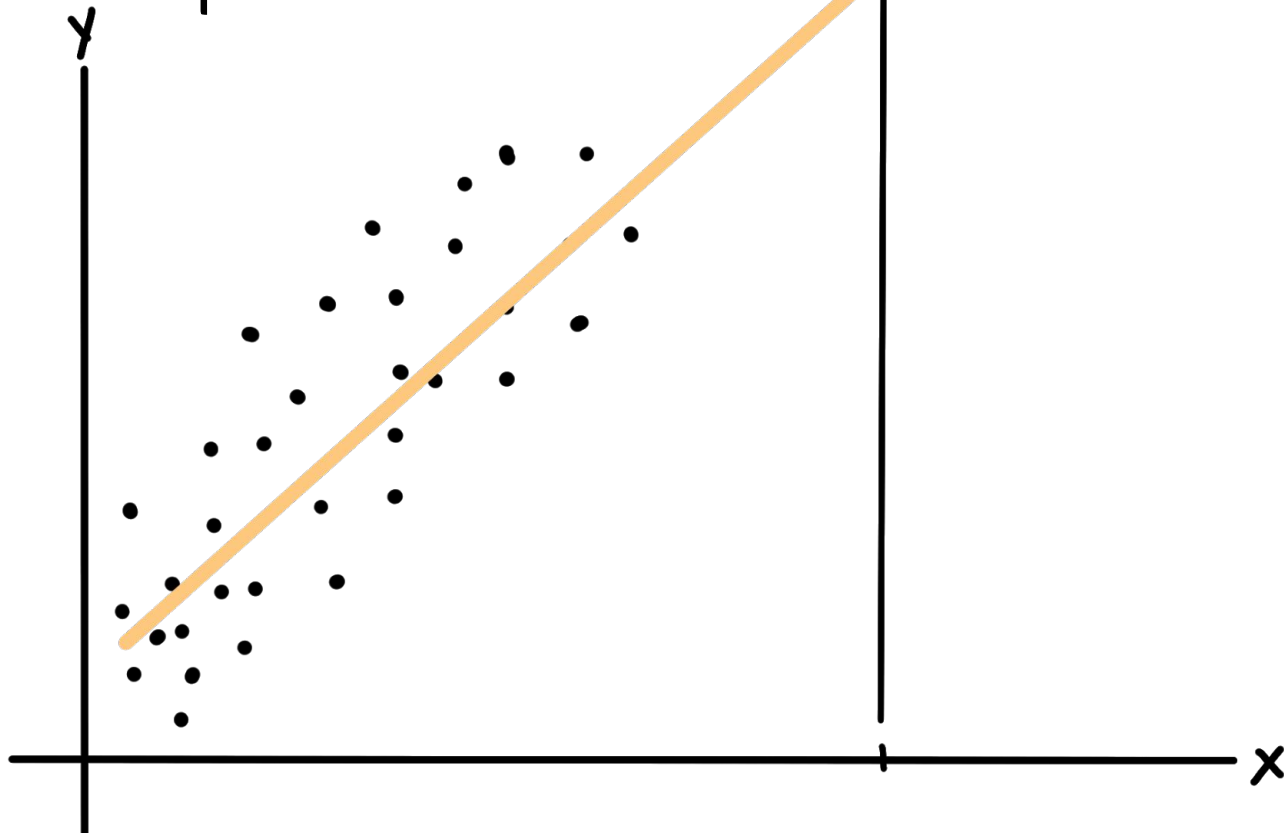


PREDICT

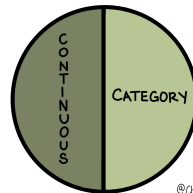


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Don't extrapolate

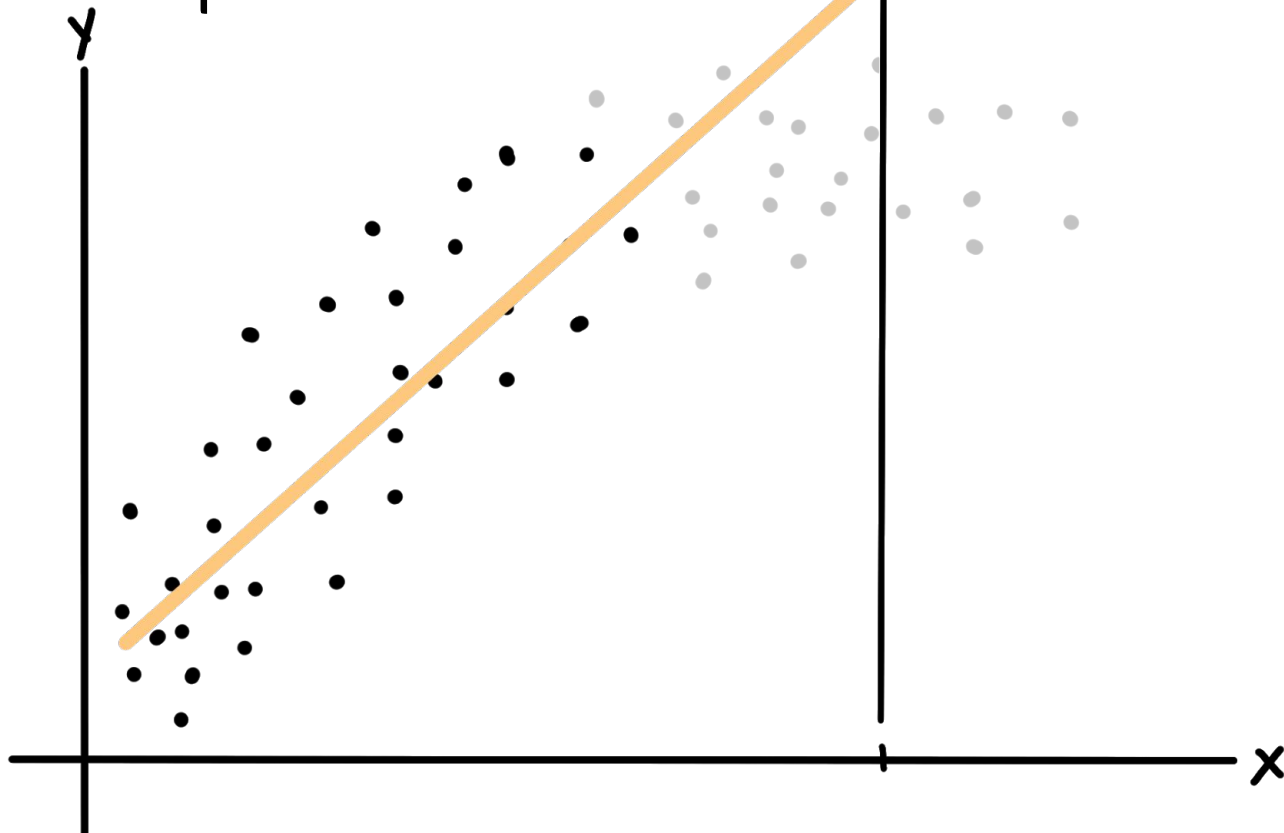


PREDICT

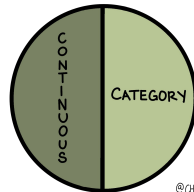


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Don't extrapolate

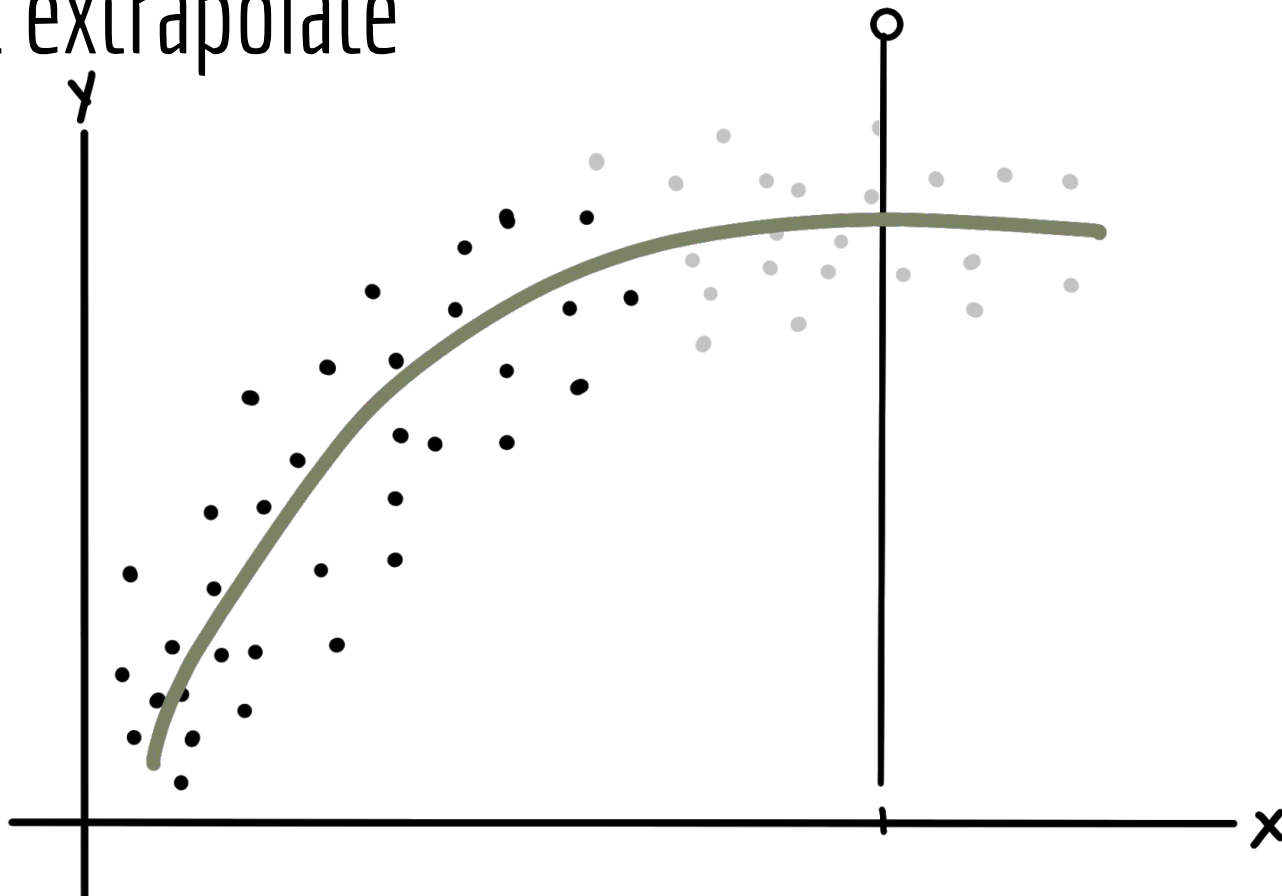


PREDICT

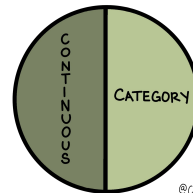


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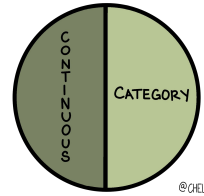
Don't extrapolate



PREDICT



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Doing LR for prediction

sklearn:

```
x = Model( )
```

```
x.fit(X, y)
```

```
x.predict(Xnew)
```

```
x.score(X, y)
```