

Split the Data

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In [449... # train and test date splitting

x_train, x_test, y_train, y_test= train_test_split(x, y, test_size= 0.25, random_state=42)
```

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In [450... x_train
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Out[450...

	Temp	D.O. (mg/l)	CONDUCTIVITY (µmhos/cm)	B.O.D. (mg/l)	NITRATENAN N+ NITRITENANN (mg/l)	FE
795	0.577922	0.804878	0.023127	0.083333	0.071429	
105	0.623377	0.560976	0.025902	0.083333	0.333333	
355	0.785714	0.573171	0.066605	0.450000	0.376190	
830	0.662338	0.682927	0.015726	0.100000	0.100000	
775	0.500000	0.768293	0.164662	0.350000	0.442857	

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226	0.642857	0.573171	0.730805	0.450000	0.476190
532	0.545455	0.731707	0.037003	0.166667	0.252381
661	0.415584	0.658537	0.407956	0.216667	0.204762
808	0.584416	0.817073	0.024977	0.200000	0.195238
220	0.629870	0.682927	0.127660	0.333333	0.000000