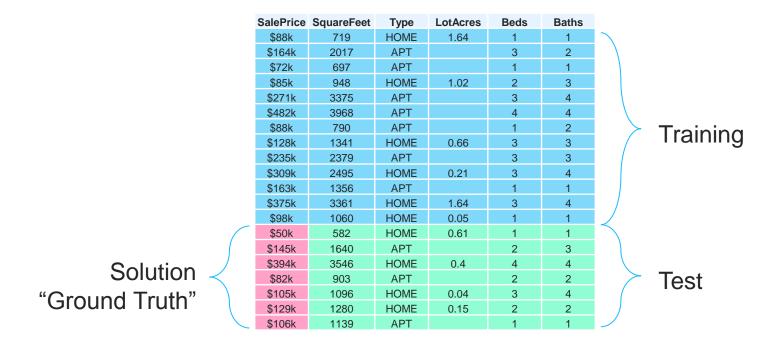
How do machine learning competitions work?

# We take a dataset with a target variable – something we're trying to predict

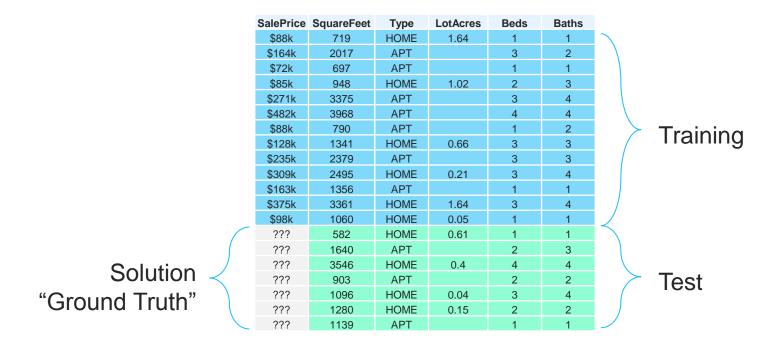
Predicting the sale / price of a home

	CalaDrias	CaucaroFoot	Turno	LatAaraa	Beds	Dotho
×		SquareFeet	Туре	LotAcres		Baths
	\$88k	719	HOME	1.64	1	1
	\$164k	2017	APT		3	2
	\$72k	697	APT		1	1
	\$85k	948	HOME	1.02	2	3
	\$271k	3375	APT		3	4
	\$482k	3968	APT		4	4
	\$88k	790	APT		1	2
	\$128k	1341	HOME	0.66	3	3
	\$235k	2379	APT		3	3
	\$309k	2495	HOME	0.21	3	4
	\$163k	1356	APT		1	1
	\$375k	3361	HOME	1.64	3	4
	\$98k	1060	HOME	0.05	1	1
	\$50k	582	HOME	0.61	1	1
	\$145k	1640	APT		2	3
	\$394k	3546	HOME	0.4	4	4
	\$82k	903	APT		2	2
	\$105k	1096	HOME	0.04	3	4
	\$129k	1280	HOME	0.15	2	2
	\$106k	1139	APT		1	1

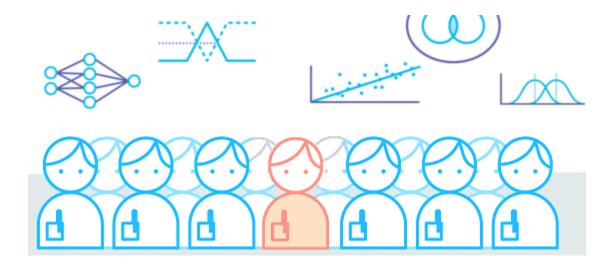
# Split the data into two sets, a training set and a test set



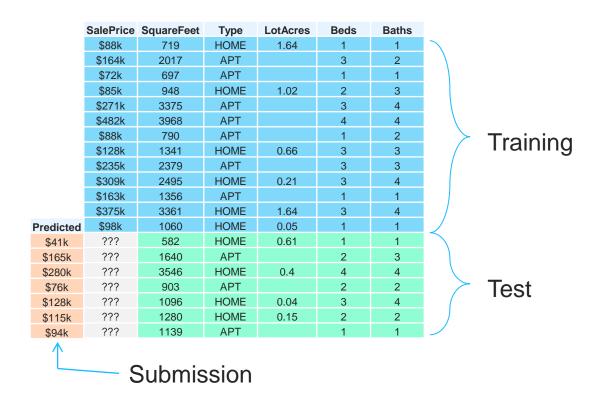
#### Our community gets everything but the solution on the test set



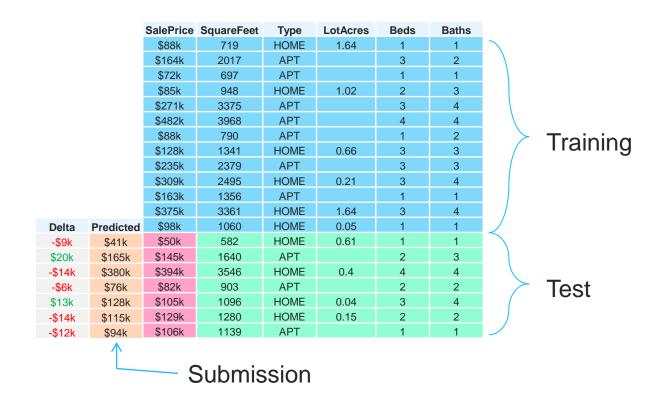
Competition participants use the training set to learn the relation between the data and the target



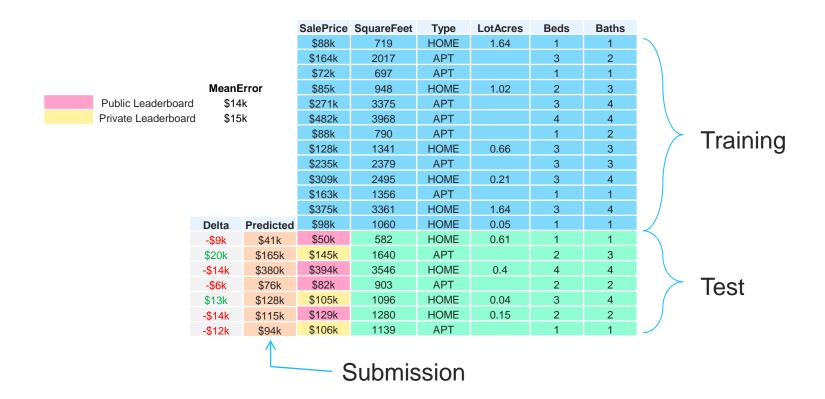
#### Competition participants apply their models to make predictions on the test set



# Kaggle compares the submission to the ground truth



# Kaggle calculates two scores, one for the public leaderboard and one for the private leaderboard



# The participant immediately sees their public score on the public leaderboard

381	new	Archit Karandikar	0.50000	1	Thu, 30 Oct 2014 03:14:54			
382	new	Martin	0.50000	3	Thu, 30 Oct 2014 09:27:46 (-0.1h)			
383	new	Ben Hamner	0.50000	1	Thu, 30 Oct 2014 09:46:58			
Your Best Entry Congratulations on making your first submission!  Tweet this!								
384	<b>↓68</b>	antonio zippo	0.49927	7	Wed, 24 Sep 2014 13:27:21 (-25.4h)			
385	<b>↓68</b>	Konstantina	0.49873	3	Mon, 01 Sep 2014 20:19:46 (-5.9d)			
386	<b>↓68</b>	pantheon	0.49809	3	Thu, 04 Sep 2014 00:13:07 (-0.3h)			
387	new	Nino Paul Batanay	0.49591	2	Wed, 29 Oct 2014 09:57:38 (-1.5h)			
388	<b>↓66</b>	blackout	0.49082	1	Thu, 09 Oct 2014 02:52:45			