



Knowledge • 1,429 teams

# House Prices: Advanced Regression Techniques

Tue 30 Aug 2016

Wed 1 Mar 2017 (3 months to go)

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## Sold! How do home features add up to its price tag?



Ask a home buyer to describe their dream house, and they probably won't begin with the height of the basement ceiling or the proximity to an east-west railroad. But this playground competition's dataset proves that much more influences price negotiations than the number of bedrooms or a white-picket fence.

With 79 explanatory variables describing (almost) every aspect of residential homes in Ames, Iowa, this competition challenges you to predict the final price of each home.

1. HungryFools
2. DoingItWithModels
3. andrewwoohoo
4. prakhar\_dwdm
5. Apocalypse
6. persistence
7. Attempts 2
8. DataMinors
9. myhandel
10. satkan

## 966 Kernels

Regularized Linear Models  
120 Votes / 4 days ago / Python

Plotting all data  
19 Votes / 20 days ago / R

Detailed Exploratory Data  
Analysis using R  
26 Votes / 38 days ago / R

Ensemble Model: Stacked Model  
Example  
56 Votes / 58 days ago / R

Lasso model for regression  
problem  
27 Votes / 46 days ago / Python

Detailed Data Exploration in  
Python  
58 Votes / 2 months ago / Python

## Forum (73 topics)

Is it always better to replace the  
missing values with 0?

The potential for creative [feature engineering](#) provides a rich opportunity for fun and learning. This dataset lends itself to advanced regression techniques like random forests and gradient boosting with the popular [XGBoost library](#). We encourage Kagglers to create benchmark code and tutorials on [Kernels](#) for community learning. Top kernels will be awarded [swag prizes](#) at the competition close.

## Acknowledgments

The [Ames Housing dataset](#) was compiled by Dean De Cock for use in data science education. It's an incredible alternative for data scientists looking for a modernized and expanded version of the often cited Boston Housing dataset.

**Started:** 1:08 am, Tuesday 30 August 2016 UTC

**Ends:** 11:59 pm, Wednesday 1 March 2017 UTC (183 total days)

**Points:** this competition does not award [ranking points](#)

**Tiers:** this competition does not count towards [tiers](#)

12 hours ago

Regularized Linear Models

20 hours ago

Home sales data

2 days ago

You got this!!!! Feature  
Engineering and Lasso

2 days ago

How can i make seaborn plot the  
Null values?

2 days ago

How can i plot 2 graphs for the  
same data in seaborn?

2 days ago

teams

players

entries