



GitHub is a US-based global company that provides [hosting](#) for [software development version control](#) using [Git](#). It is a subsidiary of [Microsoft](#), which acquired the company in 2018 for [US\\$7.5 billion](#).^[3] It offers the [distributed version control](#) and [source code management](#) (SCM) functionality of [Git](#), plus its own features. It provides [access control](#) and several collaboration features such as [bug tracking](#), [feature requests](#), [task management](#), and [wikis](#) for every project.^[4]

Kaggle

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Kaggle, a subsidiary of [Google LLC](#), is an online community of [data scientists](#) and [machine learning](#) practitioners. Kaggle allows users to find and publish data sets, explore and build models in a web-based data-science environment, work with other data scientists and machine learning engineers, and enter competitions to solve data science challenges.

Kaggle	
	
Your Home for Data Science	
Type	Subsidiary
Industry	Data science
Founded	April 2010
Founder	Anthony Goldbloom , Ben Hamner
Headquarters	San Francisco, United States
Key people	Anthony Goldbloom (CEO) Ben Hamner (CTO) Jeff Moser (Chief Architect)
Products	Competitions, Kaggle Kernels, Kaggle Datasets, Kaggle Learn, Jobs Board
Owner	Alphabet Inc. (2017–present)
Parent	Google (2017–present)
Website	kaggle.com 

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House Prices: Advanced Regression Techniques

Predict sales prices and practice feature engineering, RFs, and gradient boosting

4,888 teams · Ongoing

Overview

Data

Notebooks

Discussion

Leaderboard

Rules

Join Competition

<https://www.kaggle.com/c/house-prices-advanced-regression-techniques/data>

Competition Description



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.

Hands On

► Checklist on ML projects

- Frame the problem and look at the big picture.
- Get the data.
- Data Preparation: Normalization, Check for NaN, etc.
- Explore the data to gain insights (visual tools).
- Explore many different models and shortlist the best ones.
- Fine-tune your models and combine them into a great solution.
- Present your solution.
- Launch, monitor, and maintain your system.

PREDICT HOUSE PRICES USING REGRESSION MODELS

The data can be found at

<https://www.kaggle.com/c/house-prices-advanced-regression-techniques/data>

- It is recommended to start using visual tools to have a feeling of the data, for example you can use a correlation matrix to visualise all data and consequently a regularisation model.
- Take care of NaN and different in units.
- It is recommended to start with a simple model but use more than one to compare performances.
- Upload a report in PDF format: Not only results but your reasoning of the selection of the models and conclusions should be included.
- It is **MANDATORY** to upload your codes at GitHub. Please put the corresponding link as a private comment in the platform. Otherwise, it will a penalization of 30 points.
- Delays will be penalized with 20 points.
- Not answering the meaning of command lines will be penalized with 5 points per question as could imply copy-paste.