

Dataset Description

File descriptions

- **train.csv** - the training set
- **test.csv** - the test set
- **data_description.txt** - full description of each column, originally prepared by Dean De Cock but lightly edited to match the column names used here
- **sample_submission.csv** - a benchmark submission from a linear regression on year and month of sale, lot square footage, and number of bedrooms

Data fields

Here's a brief version of what you'll find in the data description file.

- **SalePrice** - the property's sale price in dollars. This is the target variable that you're trying to predict.
- **MSSubClass**: The building class
- **MSZoning**: The general zoning classification
- **LotFrontage**: Linear feet of street connected to property
- **LotArea**: Lot size in square feet
- **Street**: Type of road access
- **Alley**: Type of alley access
- **LotShape**: General shape of property
- **LandContour**: Flatness of the property
- **Utilities**: Type of utilities available
- **LotConfig**: Lot configuration
- **LandSlope**: Slope of property
- **Neighborhood**: Physical locations within Ames city limits
- **Condition1**: Proximity to main road or railroad
- **Condition2**: Proximity to main road or railroad (if a second is present)
- **BldgType**: Type of dwelling
- **HouseStyle**: Style of dwelling
- **OverallQual**: Overall material and finish quality
- **OverallCond**: Overall condition rating
- **YearBuilt**: Original construction date
- **YearRemodAdd**: Remodel date
- **RoofStyle**: Type of roof
- **RoofMatl**: Roof material
- **Exterior1st**: Exterior covering on house
- **Exterior2nd**: Exterior covering on house (if more than one material)
- **MasVnrType**: Masonry veneer type
- **MasVnrArea**: Masonry veneer area in square feet
- **ExterQual**: Exterior material quality
- **ExterCond**: Present condition of the material on the exterior

- **Foundation:** Type of foundation
- **BsmtQual:** Height of the basement
- **BsmtCond:** General condition of the basement
- **BsmtExposure:** Walkout or garden level basement walls
- **BsmtFinType1:** Quality of basement finished area
- **BsmtFinSF1:** Type 1 finished square feet
- **BsmtFinType2:** Quality of second finished area (if present)
- **BsmtFinSF2:** Type 2 finished square feet
- **BsmtUnfSF:** Unfinished square feet of basement area
- **TotalBsmtSF:** Total square feet of basement area
- **Heating:** Type of heating
- **HeatingQC:** Heating quality and condition
- **CentralAir:** Central air conditioning
- **Electrical:** Electrical system
- **1stFlrSF:** First Floor square feet
- **2ndFlrSF:** Second floor square feet
- **LowQualFinSF:** Low quality finished square feet (all floors)
- **GrLivArea:** Above grade (ground) living area square feet
- **BsmtFullBath:** Basement full bathrooms
- **BsmtHalfBath:** Basement half bathrooms
- **FullBath:** Full bathrooms above grade
- **HalfBath:** Half baths above grade
- **Bedroom:** Number of bedrooms above basement level
- **Kitchen:** Number of kitchens
- **KitchenQual:** Kitchen quality
- **TotRmsAbvGrd:** Total rooms above grade (does not include bathrooms)
- **Functional:** Home functionality rating
- **Fireplaces:** Number of fireplaces
- **FireplaceQu:** Fireplace quality
- **GarageType:** Garage location
- **GarageYrBlt:** Year garage was built
- **GarageFinish:** Interior finish of the garage
- **GarageCars:** Size of garage in car capacity
- **GarageArea:** Size of garage in square feet
- **GarageQual:** Garage quality
- **GarageCond:** Garage condition
- **PavedDrive:** Paved driveway
- **WoodDeckSF:** Wood deck area in square feet
- **OpenPorchSF:** Open porch area in square feet
- **EnclosedPorch:** Enclosed porch area in square feet
- **3SsnPorch:** Three season porch area in square feet
- **ScreenPorch:** Screen porch area in square feet
- **PoolArea:** Pool area in square feet
- **PoolQC:** Pool quality
- **Fence:** Fence quality
- **MiscFeature:** Miscellaneous feature not covered in other categories

- **MiscVal:** \$Value of miscellaneous feature
- **MoSold:** Month Sold
- **YrSold:** Year Sold
- **SaleType:** Type of sale
- **SaleCondition:** Condition of sale