project 1 的 data 的 code book 标红文字代表该列没有出现的类别

MS SubClass (Nominal): Identifies the type of dwelling involved in the sale.

020	1-STORY 1946 & NEWER ALL STYLES
030	1-STORY 1945 & OLDER
040	1-STORY W/FINISHED ATTIC ALL AGES
045	1-1/2 STORY - UNFINISHED ALL AGES
050	1-1/2 STORY FINISHED ALL AGES
060	2-STORY 1946 & NEWER
070	2-STORY 1945 & OLDER
075	2-1/2 STORY ALL AGES
080	SPLIT OR MULTI-LEVEL
085	SPLIT FOYER
090	DUPLEX - ALL STYLES AND AGES
120	1-STORY PUD (Planned Unit Development) - 1946 & NEWER
150	1-1/2 STORY PUD - ALL AGES
160	2-STORY PUD - 1946 & NEWER
180	PUD - MULTILEVEL - INCL SPLIT LEV/FOYER

MS Zoning (Nominal): Identifies the general zoning classification of the sale.

2 FAMILY CONVERSION - ALL STYLES AND AGES

A Agriculture

190

C Commercial

FV Floating Village Residential

I Industrial

RH Residential High Density

RL Residential Low Density

RP Residential Low Density Park

RM Residential Medium Density

Lot Frontage (Continuous): Linear feet of street connected to property

Lot Area (Continuous): Lot size in square feet

Street (Nominal): Type of road access to property

Grvl Gravel Pave Paved

Alley (Nominal): Type of alley access to property

Grvl Gravel Pave Paved

NA No alley access

Lot Shape (Ordinal): General shape of property

Reg Regular

IR1 Slightly irregularIR2 Moderately Irregular

IR3 Irregular

Land Contour (Nominal): Flatness of the property

LvlNear Flat/Level

Bnk Banked - Quick and significant rise from street grade to building

HLS Hillside - Significant slope from side to side

Low Depression

Utilities (Ordinal): Type of utilities available

AllPub All public Utilities (E,G,W,& S)

NoSewr Electricity, Gas, and Water (Septic Tank)

NoSeWa Electricity and Gas Only

ELO Electricity only

Lot Config (Nominal): Lot configuration

Inside Inside lot Corner Corner lot CulDSac Cul-de-sac

FR2 Frontage on 2 sides of property FR3 Frontage on 3 sides of property

Land Slope (Ordinal): Slope of property

Gtl Gentle slope

Mod Moderate Slope Sev Severe Slope

Neighborhood (Nominal): Physical locations within Ames city limits (map available)

Blmngtn Bloomington Heights

Blueste Bluestem
BrDale Briardale
BrkSide Brookside
ClearCr Clear Creek
CollgCr College Creek
Crawfor Crawford
Edwards
Gilbert Gilbert

Greens Greens GrnHill Green Hills

IDOTRR Iowa DOT and Rail Road

Landmrk Landmark

Meadow Village

Mitchel Mitchell
Names North Ames
NoRidge Northridge
NPkVill Northpark Villa
NridgHt Northridge Heights
NWAmes Northwest Ames

OldTown Old Town

SWISU South & West of Iowa State University

Sawyer Sawyer West Sawyer West Somerst Somerset StoneBr Stone Brook Timber Timberland Veenker Veenker

Condition 1 (Nominal): Proximity to various conditions

Artery Adjacent to arterial street Feedr Adjacent to feeder street

Norm Normal

RRNn Within 200' of North-South Railroad RRAn Adjacent to North-South Railroad

PosN Near positive off-site feature--park, greenbelt, etc.

PosA Adjacent to postive off-site feature RRNe Within 200' of East-West Railroad RRAe Adjacent to East-West Railroad

Condition 2 (Nominal): Proximity to various conditions (if more than one is present)

Artery Adjacent to arterial street Feedr Adjacent to feeder street

Norm Normal

RRNn Within 200' of North-South Railroad RRAn Adjacent to North-South Railroad

PosN Near positive off-site feature--park, greenbelt, etc.

PosA Adjacent to postive off-site feature RRNe Within 200' of East-West Railroad RRAe Adjacent to East-West Railroad

Bldg Type (Nominal): Type of dwelling

1Fam Single-family Detached

2FmCon Two-family Conversion; originally built as one-family dwelling

Duplx Duplex

TwnhsE Townhouse End Unit TwnhsI Townhouse Inside Unit

House Style (Nominal): Style of dwelling

1.5Fin One and one-half story: 2nd level finished
1.5Unf One and one-half story: 2nd level unfinished
2Story Two story
2.5Fin Two and one-half story: 2nd level finished
2.5Unf Two and one-half story: 2nd level unfinished

SFoyer Split Foyer SLvl Split Level

Overall Qual (Ordinal): Rates the overall material and finish of the house

- 10 Very Excellent
- 9 Excellent
- 8 Very Good
- 7 Good
- 6 Above Average
- 5 Average
- 4 Below Average
- 3 Fair
- 2 Poor
- 1 Very Poor

Overall Cond (Ordinal): Rates the overall condition of the house

10 Very Excellent

- 9 Excellent
- 8 Very Good
- 7 Good
- 6 Above Average
- 5 Average
- 4 Below Average
- 3 Fair
- 2 Poor
- 1 Very Poor

Year Built (Discrete): Original construction date

Year Remod/Add (Discrete): Remodel date (same as construction date if no remodeling or

additions)

Roof Style (Nominal): Type of roof

Flat Flat Gable Gable

Gambrel Gabrel (Barn)

Hip Hip Mansard Shed Shed Shed

Roof Matl (Nominal): Roof material

ClyTile Clay or Tile

CompShg Standard (Composite) Shingle

Membran Membrane Metal Metal Roll Roll

Tar&Grv Gravel & Tar WdShake Wood Shakes WdShngl Wood Shingles

Exterior 1 (Nominal): Exterior covering on house

AsbShng Asbestos Shingles AsphShn Asphalt Shingles

BrkComm Brick Common

BrkFace Brick Face
CBlock Cinder Block
CemntBd Cement Board
HdBoard Hard Board
ImStucc Imitation Stucco
MetalSd Metal Siding

Other Other
Plywood Plywood
PreCast PreCast
Stone Stone
Stucco Stucco

VinylSd Vinyl Siding Wd Sdng Wood Siding WdShing Wood Shingles

Exterior 2 (Nominal): Exterior covering on house (if more than one material)

AsbShng Asbestos Shingles AsphShn Asphalt Shingles **BrkComm Brick Common**

BrkFace CBlock Cinder Block
CemntBd Cement Board
HdBoard Hard Board
ImStucc Imitation Stucco
MetalSd Metal Siding

Other Other
Plywood Plywood
PreCast PreCast
Stone Stone
Stucco Stucco

VinylSd Vinyl Siding Wd Sdng Wood Siding WdShing Wood Shingles

Mas Vnr Type (Nominal): Masonry veneer type

BrkCmn Brick Common
BrkFace Brick Face
CBlock Cinder Block

None None Stone Stone

Mas Vnr Area (Continuous): Masonry veneer area in square feet

Exter Qual (Ordinal): Evaluates the quality of the material on the exterior

Ex Excellent Gd Good TA Average/Typical Fa Fair

Po Poor

Exter Cond (Ordinal): Evaluates the present condition of the material on the exterior

Ex Excellent
Gd Good
TA Average/Tyr

TA Average/Typical

Fa Fair Po Poor

Foundation (Nominal): Type of foundation

BrkTil Brick & Tile CBlock Cinder Block **PConc** Poured Contrete

Slab Slab Stone Stone Wood Wood

Bsmt Qual (Ordinal): Evaluates the height of the basement

Ex Excellent (100+ inches)
Gd Good (90-99 inches)
TA Typical (80-89 inches)

Fa Fair (70-79 inches)
Po Poor (<70 inches)

NANo Basement

Bsmt Cond (Ordinal): Evaluates the general condition of the basement

Ex Excellent

Gd Good

TA Typical - slight dampness allowed

Fa Fair - dampness or some cracking or settling

Po Poor - Severe cracking, settling, or wetness

NANo Basement

Bsmt Exposure (Ordinal): Refers to walkout or garden level walls

Gd Good Exposure

Av Average Exposure (split levels or foyers typically score average or above)

Mn Mimimum Exposure

No No Exposure

NANo Basement

BsmtFin Type 1 (Ordinal): Rating of basement finished area

GLQ Good Living Quarters

ALQ Average Living Quarters

BLO Below Average Living Quarters

Rec Average Rec Room

LwQ Low Quality Unf Unfinshed

NANo Basement

BsmtFin SF 1 (Continuous): Type 1 finished square feet

BsmtFinType 2 (Ordinal): Rating of basement finished area (if multiple types)

GLQ Good Living Quarters

ALQ Average Living Quarters

BLQ Below Average Living Quarters

Rec Average Rec Room

LwQ Low Quality Unf Unfinshed NANo Basement

BsmtFin SF 2 (Continuous): Type 2 finished square feet

Bsmt Unf SF (Continuous): Unfinished square feet of basement area

Total Bsmt SF (Continuous): Total square feet of basement area

Heating (Nominal): Type of heating

Floor Furnace

GasA Gas forced warm air furnace GasW Gas hot water or steam heat

Grav Gravity furnace

OthW Hot water or steam heat other than gas

Wall Wall furnace

HeatingQC (Ordinal): Heating quality and condition

Ex Excellent

Gd Good

TA Average/Typical

Fa Fair Po Poor

Central Air (Nominal): Central air conditioning

N No Y Yes

Electrical (Ordinal): Electrical system

SBrkr Standard Circuit Breakers & Romex

Fuse A Fuse Box over 60 AMP and all Romex wiring (Average)
Fuse F 60 AMP Fuse Box and mostly Romex wiring (Fair)
Fuse Box over 60 AMP Fuse Box and mostly lynch & type wiring (near

FuseP 60 AMP Fuse Box and mostly knob & tube wiring (poor)

Mix Mixed

1st Flr SF (Continuous): First Floor square feet

2nd Flr SF (Continuous) : Second floor square feet

Low Qual Fin SF (Continuous): Low quality finished square feet (all floors)

Gr Liv Area (Continuous): Above grade (ground) living area square feet

Bsmt Full Bath (Discrete): Basement full bathrooms

Bsmt Half Bath (Discrete): Basement half bathrooms

Full Bath (Discrete): Full bathrooms above grade

Half Bath (Discrete): Half baths above grade

Bedroom (Discrete): Bedrooms above grade (does NOT include basement bedrooms)

Kitchen (Discrete): Kitchens above grade

KitchenQual (Ordinal): Kitchen quality

Ex Excellent Gd Good TA Typical/Average Fa Fair

Po Poor

TotRmsAbvGrd (Discrete): Total rooms above grade (does not include bathrooms)

Functional (Ordinal): Home functionality (Assume typical unless deductions are warranted)

Typ	Typical Functionality
Min1	Minor Deductions 1
Min2	Minor Deductions 2
Mod	Moderate Deductions
Maj1	Major Deductions 1
Maj2	Major Deductions 2
Sev	Severely Damaged

Sal Salvage only

Fireplaces (Discrete): Number of fireplaces

FireplaceQu (Ordinal): Fireplace quality

Ex Excellent - Exceptional Masonry Fireplace Gd Good - Masonry Fireplace in main level

TA Average - Prefabricated Fireplace in main living area or Masonry Fireplace in

basement

Fa Fair - Prefabricated Fireplace in basement

Po Poor - Ben Franklin Stove

NANo Fireplace

Garage Type (Nominal): Garage location

2Types More than one type of garage

Attchd Attached to home Basment Basement Garage

Built-In (Garage part of house - typically has room above garage)

CarPort Car Port

Detchd Detached from home

NANo Garage

Garage Yr Blt (Discrete): Year garage was built

Garage Finish (Ordinal) : Interior finish of the garage

Fin Finished

RFn Rough Finished Unf Unfinished

NANo Garage

Garage Cars (Discrete): Size of garage in car capacity

Garage Area (Continuous): Size of garage in square feet

Garage Qual (Ordinal): Garage quality

Ex Excellent

Gd Good

TA Typical/Average

Fa Fair

Po Poor

NANo Garage

Garage Cond (Ordinal): Garage condition

Ex Excellent

Gd Good

TA Typical/Average

Fa Fair

Po Poor

NANo Garage

Paved Drive (Ordinal): Paved driveway

Y Paved

P Partial Pavement

N Dirt/Gravel

Wood Deck SF (Continuous): Wood deck area in square feet

Open Porch SF (Continuous): Open porch area in square feet

Enclosed Porch (Continuous): Enclosed porch area in square feet

3-Ssn Porch (Continuous): Three season porch area in square feet

Screen Porch (Continuous): Screen porch area in square feet

Pool Area (Continuous): Pool area in square feet

Pool QC (Ordinal): Pool quality

Ex Excellent Gd Good

TA Average/Typical

Fa Fair

NANo Pool

Fence (Ordinal): Fence quality

GdPrv Good Privacy

MnPrv Minimum Privacv

GdWo Good Wood

MnWw Minimum Wood/Wire

NANo Fence

Misc Feature (Nominal): Miscellaneous feature not covered in other categories

Elev Elevator

Gar2 2nd Garage (if not described in garage section)

Othr Other

Shed Shed (over 100 SF)

TenC Tennis Court

NANone

Misc Val (Continuous): \$Value of miscellaneous feature

Mo Sold (Discrete): Month Sold (MM)

Yr Sold (Discrete): Year Sold (YYYY)

Sale Type (Nominal): Type of sale

$\mathbf{W}\mathbf{D}$	Warranty Deed - Conventional
CWD	Warranty Deed - Cash
VWD	Warranty Deed - VA Loan
New	Home just constructed and sold
COD	Court Officer Deed/Estate
Con	Contract 15% Down payment regular terms
ConLw	Contract Low Down payment and low interest
ConLI	Contract Low Interest
ConLD	Contract Low Down
Oth	Other

Sale Condition (Nominal): Condition of sale

Normal Normal Sale

Abnormal Sale - trade, foreclosure, short sale

AdjLand Adjoining Land Purchase

Alloca Allocation - two linked properties with separate deeds, typically condo with a

garage unit

Family Sale between family members

Partial Home was not completed when last assessed (associated with New Homes)

SalePrice (Continuous): Sale price \$\$