**Basic Description**

Unit of observation: Parcel

Number of observations: 29,429

**\*\*\* Needs Cleaning**

PIN

* Parcel ID #
* Factor
* None missing

PIN\_1

* Unknown Definition
  + Matchers perfectly with “PIN”
* Factor
* None missing

TaxMapPage

* Page that the parcel is on in tax map book
* Factor
* None missing

DC

* Unknown Definition
* Factor
* None Missing

LOT\_NUM

* Lot the parcel is located
* Factor
* Non missing

ADD\_NUM

* Street number the parcel is located
* Numeric
* 128 Missing

PRE\_DIR

* Street direction prefix
* Levels: "E" "N" "S" "W"
* NAs coded as “”

PLAINST

* Street Name
* 1485 levels
* 125 missing
  + NAs coded as “”

STREETTYPE

* Type of street suffix
* 63 levels
* 5,989 Missing
  + NAs o coded as “”

SUF\_DIR

* Street direction suffix
* Levels: "E" "N" "S" "W"
* NAs o coded as “”

CITYL

* City the parcel is located
* Levels: "JAMC" "LAN" "TNO"
  + JAMC is not a city
* None missing

BUSNAME

* Business name that is on the parcel
* Only 6 businesses named (1-2 parcels each) the rest are NA

SUBNAME

* Subdivision name
* 311 levels
* None missing

Fire\_MapBO

* Unknown defition
* Levels: "No" "Yes"
* 3 missing
  + NA's are coded as " "

Date\_Mappe

* Date the parcel was mapped
* M/DD/YY H:MM
* 72% Missing

Out\_Parcel

* Unknown definition (similar to parcel ID)
* FACTOR
* 87% missing

PLAT

* Unknown definition
* Inconsistent coding (e.g. some large numbers others are XX/XX)
* 45% missing

STREETCL

* Unknown definition
* “Yes”
* None missing

CAD\_1

* Unknown definition
* Levels: “Yes” “No”
* None missing

GIS\_Commen

* Comment from GIS
* String
* Only 172 have comment

ELEMENTARY

* Elementary school district that the parcel is located in
* Levels: "Blayton”, "Clara Byrd Baker", "D.J. Montague", "James River", "Matoak”, "Matthew Whaley", “Norge”, "Rawls Byrd" , "Stonehouse"
* None missing

MIDDLE

* Middle school district that the parcel is located in
* Levels: "Berkeley" "Hornsby" "Toano"
* None missing

HIGH

* High school district that the parcel is located in
* Levels: "Jamestown" "Lafayette" "Warhill"
* None missing

ELEC\_DIST

* Electricity District
* Levels: "Berkeley" "Jamestown" "Powhatan" "Roberts" "Stonehouse”
* None missing

PRECINCT

* Precinct that the parcel is located in
* 17 levels
* None missing

POLL

* Polling place for that parcel
* 17 levels
* None missing

Census\_Tr

* Census Tract that parcel is located in 2010 Census
* 11 Level
* Need to put in geoID format

State\_Sena

* State senate district that parcel is located in
* Levels: “1” “3”
* None missing

State\_Hous

* State house district that parcel is located in
* Levels: “93” “96”
* None missing

Zone\_\_1

* Unknown Definition
* 38 levels
* None missing

PSA

* Unknown defition
* Levels: “Yes” “No” “Y/N”
  + Invalid Y/N level
* None missing

Ex\_land\_Us

* Old Land Use
* 14 levels
* None missing

Comp\_Plan

* Future Land Use
* 12 levels
* None missing

Unit\_Cap

* Unknown defition
* 56 levels
  + Inconstant coding (e.g. some large numbers with “, .” and others small)
* Only 56 oberservations have a value

Improved

* Unknown definition
* Levels: “Yes” “No”
  + Inconsistent no level (no, NO, No)
* None missing

Res\_Units

* Number of residential units on the parcel
* Numeric
* 11% are listed as 0
* None missing

Housing\_Ty

* Type of housing
* Factor
* Levels: "sf attached" "SF Attached" "SF Detached"
  + In consistent attached coding
* Invalid entiries (multifamily units also listed as one of the single family codes
* None missing

Proffers

* Unknown definition
* “Yes”
* 60% missing
  + NA’s coded as “”

PL\_SubName

* Subdivision name
* 292 levels
* None missing

PIN\_12

* Unknown Definition
* Factor
* 12 missing

DistNum

* District Number (Unknown specifics)
* Levels: "0" "1" "2" "3" "4" "5"
* None missing

GPIN

* Unknown definition
* Unknown if numeric or factor (depends on definition)
* Only 14 have a value

PublicNei

* Unknown definition
* Unknown if numeric or factor (depends on definition)
* 14 have a value of 14

PropClas

* Classification of property on parcel (follows PCDesc)
* 11 levels
* NA coded as 0
  + 12 listed as 0

PCDesc

* Parcel Description
* Levels: “Agricultural 100+ acres", "Agricultural 20-99 acres", "Commercial & Industrial", "Exempt - Educational", "Exempt - Local Govt", "Exempt - Other", "Exempt - Religious", "Exempt - State Govt", "Multi-Family" , "SCC Assessed", "Single Family - Suburban"
* 12 Missing
  + NA’s coded as “”

LocAddr

* Location address of the parcel
* String
* 82 are missing

LocCity

* City of the parcel’s address
* 19 levels
  + Inconsistent coding of city (e.g. different spelling and capitals)
* 81 missing

LocState

* State of the parcel’s address
* “VA”
* 12 Missing
  + NA’s coded as “”

LocZip

* Zip of the parcel’s address
* Inconsistent zip code (e.g zip 5, zip 5+4)
* 12 Missing
  + NA’s coded as “”

Owner1

* Name of the first owner
* String
* 12 missing
  + NA’s coded as “”

Owner2

* Name of the first owner
* String

MailAddr

* Mailing address for the owner
* Sting
* 12 Missing
  + NA’s coded as “”

MailCity

* City for mailing address for the owner
* Sting
* 12 Missing
  + NA’s coded as “”

MailState

* State for mailing address for the owner
* XX
* 26 Missing
  + NA’s coded as “”

MailZip

* Zip for mailing address for the owner
* Inconstant Zip codes structure
* 27 Missing
  + NA’s coded as “”

TaxAcct

* Unknown definition (the amount paid in taxes?)
* Values have , and .
* 12 are listed at 0

LegalAc

* Unknown definition
* Values have , and .
* 5% are listed at 0

Zoning

* Zoning code the for area the parcel is located (see ZoneDesc for description)
* 25 different levels (see ZoneDesc for description)
* 310 missing
  + NA’s coded as “”

ZoneDesc

* Zoning description the for area the parcel is located
* 25 different levels
* 310 missing
  + NA’s coded as “”

Legal1

* Unknown Definition
* String
* 18 missing
  + NA’s coded as “”

Legal2

* Unknown Definition
* String

Legal3

* Unknown Definition
* String

Stories

* Number of stories the property has
* Levels: “"0”, "1”, "1.20000004" "1.25”, "1.35000002", "1.5”, "1.75”, "2”, "2. 5”, "3"
  + Invalid factors
* 11% listed at 0

YrBuilt

* Year the structure was built
* Year coded with a ,
* 11% missing
  + NA coded as 0

FinSize

* Finished Sqft
* Numeric coded with a ,
* 11% coded as 0

Foundat

* Foundation and Basement type
* 25 levels
* 11% missing
  + NA’s coded as “”

ExtDesc1

* Description of material the exteriors is made of
* 40 levels
* 11% missing
  + NA’s coded as “”

ExtDesc2

* Description of second material the exteriors is made of
* 31 levels
* NA’s coded as “”

CondCode

* Condition of the property
* Levels: EX- Excellent, VG-Very Good, GV-Good to Very Good, GD-Good, AG-Average to Good, AV-Average, FA-Fair to Average, FR-Fair, PR-Poor, VP-Very Poor, DL-Dilapidated
  + <http://www.co.spartanburg.sc.us/govt/depts/asr/docs/PhysicalCondition.pdf>
* 11% missing
  + NA’s coded as “”

RoofMatD

* Description of roofing material
* Factor
  + Invalid levels (numbers)
* 11% missing
  + NA’s coded as “”

NumRms

* Number of rooms in property
* Numeric
* 12% listed with 0 rooms

NumBdRms

* Number of bedrooms in property
* Numeric
* 19% listed with 0

Num2Baths

* Number of 2 piece bathrooms
* Numeric
* None missing

Num3Baths

* Number of 3 piece bathrooms
* Numeric
* None missing

HeatDesc

* Description of heating in the property
* Levels: "Baseboard”, "Central Warm Air”, "Electric baseboard”, "Forced hot air", "Forced hot air-elec", "Forced hot air-gas", "Forced hot air-oil", "Geothermal", "Geothermal or solar", "Gravity-oil", "Heat pump”, "Hot water", "Hot water or steam", "No Heat", "No heat space", "No heat-floor unit”, “No heat-wood stove/insert", "Other"” "Solar Active", "Space heater", "Space heater-elec", "Undefined"
  + Invalid entries (e.g. square footage)
* 11% missing

CentrlAC

* Does unit have central air?
* Levels: “Y” “N”
* Invalid levels: “W”
* 11% missing
  + NA’s coded as “”

BsmtArea

* Area of basement
* Numeric (coded with , )

BsmtFin

* Area of finished basement
* Numeric (coded with , )
* No observations that have BsmtArea=0 also have BsmtFin

AttGarSF

* Area of attached garage area
* Numeric (coded with , )

DetGarSF

* Area of detached garage area
* Numeric (coded with , )

AttCpSF

* Area of attached car port area

EnclPSF

* Area of enclosed parking area
* Numeric (coded with , )

OpenPSF

* Area of open parking area

DeckSF

* Deck area
* Numeric (coded with , )

PrefabFP

* Prefabricated fireplace?
* NA

MasonFP

* Masonry fireplace?
* Levels: “N” “Y”
* 11% missing
  + NA’s coded as “”

ObyItem1

* Description of outside attributes/buildings
* String

ObyItem2

* Description of outside attributes/buildings
* String

ObyItem3

* Description of outside attributes/buildings
* String

ObyItem4

* Description of outside attributes/buildings
* String

Sale1D

* Date the property was sold first
* M/D/YY HH:MM
* 5% missing

Sale1Amt

* The amount the property sold for the first time
* Numeric (coded with a , )
* 34% coded as 0

Doc1Num

* Official number of document used during the transaction
* Inconsistent levels: some levels some strings (e.g. death certificate)
* 12% missing

Grantor1

* Grantor during the first selling of the property
* String
* 55% missing

Sale2D

* Date the property was sold second
* M/D/YY HH:MM
* 16% missing

Sale2Amt

* The amount the property sold for the second time
* Numeric (coded with a , )
* 42% coded as 0

Doc2Num

* Official number of document used during the transaction
* Inconsistent levels: some levels some strings (e.g. death certificate)
* 23% missing

Grantor2

* Grantor during the second selling of the property
* String
* 23% missing

Sale3D

* Date the property was sold third
* M/D/YY HH:MM
* 35% missing

Sale3Amt

* The amount the property sold for the thrid time
* Numeric (coded with a , )
* 58% coded as 0

Doc3Num

* Official number of document used during the transaction
* Inconsistent levels: some levels some strings (e.g. death certificate)
* 28% missing

Grantor3

* Grantor during the thrid selling of the property
* String
* 46% missing

LandDes1

* Description of the land the parcel lies on
* String
* 56 do not list “Homesite”
* Invalid descriptions (e.g. \*)

LandDes2

* Description of the land the parcel lies on
* String
* 15 are not NA
  + Coded as “”
* Invalid descriptions (e.g. \*)

Gas

* Unknown Definition (connected to gas?)
* “Y”
* 96% missing
  + Coded as “”

Water

* Unknown Definition (connected to gas?)
* “Y”
* 24% missing
  + Coded as “”

Sewer

* Unknown Definition (connected to gas?)
* “Y”
* 18% missing
  + Coded as “”

Prev2Land

* Unknown definition (seems to be assessment of land, but no date?)
* Numeric (coded with ,)
* 3% listed as 0

Prev2Imp

* Unknown definition (seems to be assessment of improvement, but no date?)
* Numeric (coded with ,)
* 13% listed as 0

Prev2Tot

* Unknown definition (seems to be total assessment, but no date?)
* Numeric (coded with ,)
* 3% listed as 0

PrevLand

* Unknown definition (seems to be assessment of land, but no date?)
* Numeric (coded with ,)
* 1% listed as 0

PrevImp

* Unknown definition (seems to be assessment of improvement, but no date?)
* Numeric (coded with ,)
* 12% listed as 0

PrevTot

* Unknown definition (seems to be total assessment, but no date?)
* Numeric (coded with ,)
* 1% listed as 0

CurLand

* Unknown definition (seems to be assessment of land, but no date?)
* Numeric (coded with ,)
* 33 listed as 0

CurImp

* Unknown definition (seems to be assessment of improvement, but no date?)
* Numeric (coded with ,)
* 11% listed as 0

CurTot

* Unknown definition (seems to be total assessment, but no date?)
* Numeric (coded with ,)
* 32 listed as 0

HouseDist

* Unknown definition
* Numeric
* 5% missing

StrtDir

* Street direction parcel is located
* Levels: "E" "N" "S" "W"
* NAs coded as “”

StrtName

* Name of street parcel is located on
* Factor
* 3% missing
  + NAs coded as “”

StreetTy\_1

* Street type suffix the parcel is located on
* 61 levels
* 22 missing

StrtSufx

* Street suffix the parcel is located on
* Levels: "E" "N" "S" "W"
* NAs coded as “”

UnitNum

* Unit number for the parcel
* 59 levels

PlainSt\_1

* Unknown definition (neighborhood?
* Factor
* 3% missing

sdz

* Unknown definition
* Numeric
* 20 missing

grade

* Unknown definition
* Numeric
* 10% missing

sound\_valu

* Unknown Definition
* Levels: “Y” “N”
* 12 missing
  + NA coded as “”

psa\_1

* Unknown Definition
* Levels: “Y” “N”
* 12 missing
  + NA coded as “”

census\_tra

* Census tract that the property is located in (Unknown year)
* 12 Levels
* Coding does not match traditional GeoID
* 2%

NeiNum\_nam

* Name of Neighborhood
* String
* 14 missing

sdz\_name

* Subdivision name
* Inconsistent way name is provided (some with unknown numbers)
* 22 missing

FVCovCod1

* Unknown definition
* Numeric
* 11% missing

LRSN

* Land Record Serial Number
* Numeric (coded with , )
* 12 listed as 0

LRSNum

* Unknown definition (related to LRSN?)
* Numeric
* 12% missing

PricePerAC

* Price per and acre
* Numeric (coded with , )
* 5% listed at 0

PropertyUS

* Unknown definition
* Numeric (coded with , )
* 96% listed at 0

PropUseDes

* Description of the use of the property
* 39 levels
* 97% missing

AreaNumber

* Unknown definition
* Numeric
* None missing

AreaNumdes

* Description of area (?)
* 21 levels
* 14 missing

AFDnumber

* Unknown definition
* NA

AFDname

* Unknown definition
* NA

ARCgis Created variables: "Shape\_area" "Shape\_len\_" "Shape\_ar\_1" "Shape\_len"