In [1]:
```
import pandas as pd
```

In [7]:
```
import sweetviz
```

In [8]:
```
train = pd.read_csv('train.csv')
test = pd.read_csv('test.csv')
```

My Report

In [15]:
```
my_report = sweetviz.analyze([train,"Train"],target_feat='SalePrice')
```

In [16]:
```
my_report.show_html('Report.html')
```

```
Report Report.html was generated! NOTEBOOK/COLAB USERS: the web browser MAY n
ot pop up, regardless, the report IS saved in your notebook/colab files.
```

In [ ]:
```

```

SweetViz 2.0.4

Get updates, docs & report issues here

Created & maintained by Francois Bertrand

Graphic design by Jean-Francois Hains

Associations

Train

NO COMPARISON TARGET

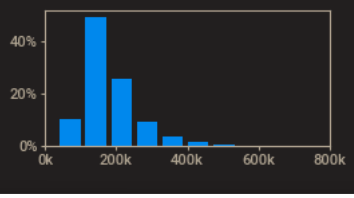
1460	ROWS
0	DUPLICATES
4.1 MB	RAM
80	FEATURES
54	CATEGORICAL
25	NUMERICAL
1	TEXT

Train

Avg. SalePrice

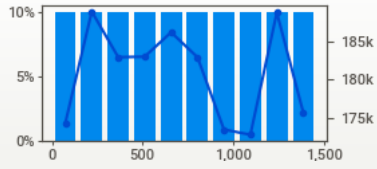
SalePrice

VALUES:	1,460 (100%)	MAX	755k	RANGE	720k
MISSING:	---	95%	326k	IQR	84,025
		Q3	214k	STD	79,443
DISTINCT:	663 (45%)	AVG	181k	VAR	6.3B
		MEDIAN	163k		
		Q1	130k	KURT.	6.54
		5%	88k	SKEW	1.88
		MIN	35k	SUM	264.1M



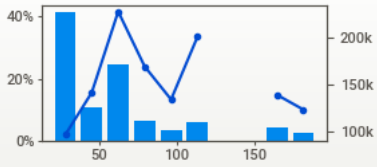
1 Id

VALUES:	1,460 (100%)	MAX	1,460	RANGE	1,459
MISSING:	---	95%	1,387	IQR	730
		Q3	1,095	STD	422
DISTINCT:	1,460 (100%)	MEDIAN	730	VAR	178k
		AVG	730		
		Q1	366	KURT.	-1.20
		5%	74	SKEW	0.00
		MIN	1	SUM	1.1M



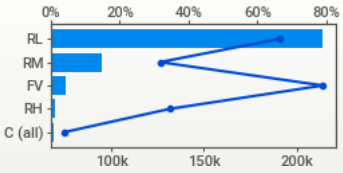
2 MSSubClass

VALUES:	1,460 (100%)	MAX	190	RANGE	170
MISSING:	---	95%	160	IQR	50.0
		Q3	70	STD	42.3
DISTINCT:	15 (1%)	AVG	57	VAR	1,789
		MEDIAN	50		
		Q1	20	KURT.	1.58
		5%	20	SKEW	1.41
		MIN	20	SUM	83,070



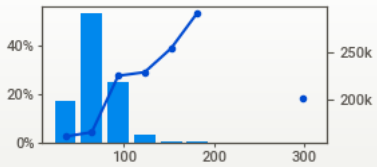
3 MSZoning

VALUES:	1,460 (100%)
MISSING:	---
DISTINCT:	5 (0%)



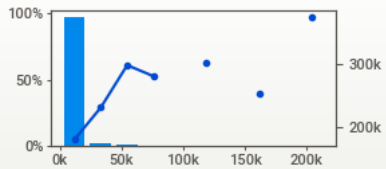
4 LotFrontage

VALUES:	1,201 (82%)	MAX	313	RANGE	292
MISSING:	259 (18%)	95%	107	IQR	21.0
		Q3	80	STD	24.3
DISTINCT:	110 (8%)	AVG	70	VAR	590
		MEDIAN	69		
		Q1	59	KURT.	17.5
		5%	34	SKEW	2.16
		MIN	21	SUM	84,130



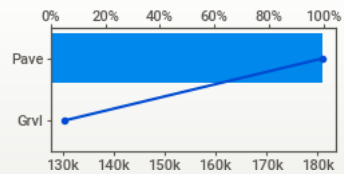
5 LotArea

VALUES:	1,460 (100%)	MAX	215k	RANGE	214k
MISSING:	---	95%	17k	IQR	4,048
		Q3	12k	STD	9,981
DISTINCT:	1,073 (73%)	AVG	11k	VAR	99.6M
		MEDIAN	9k		
		Q1	8k	KURT.	203
		5%	3k	SKEW	12.2
		MIN	1k	SUM	15.4M



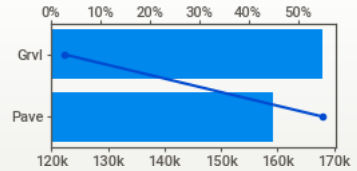
6 Street

VALUES:	1,460 (100%)
MISSING:	---
DISTINCT:	2 (0%)



7 Alley

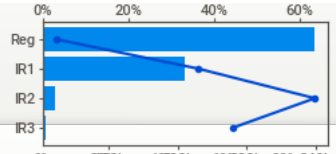
VALUES:	91 (6%)
MISSING:	1,369 (94%)
DISTINCT:	2 (0%)



8 LotShape

VALUES:	1,460 (100%)
MISSING:	---

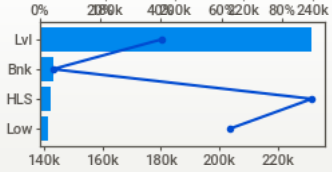
DISTINCT: 4 (0%)



9 LandContour

VALUES: 1,460 (100%)
MISSING: ---

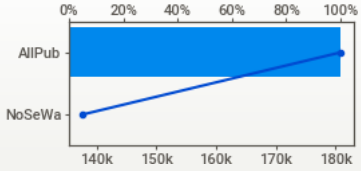
DISTINCT: 4 (0%)



10 Utilities

VALUES: 1,460 (100%)
MISSING: ---

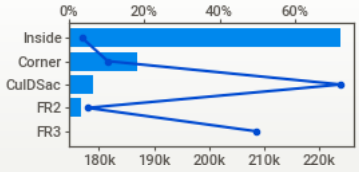
DISTINCT: 2 (0%)



11 LotConfig

VALUES: 1,460 (100%)
MISSING: ---

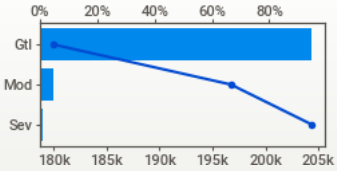
DISTINCT: 5 (0%)



12 LandSlope

VALUES: 1,460 (100%)
MISSING: ---

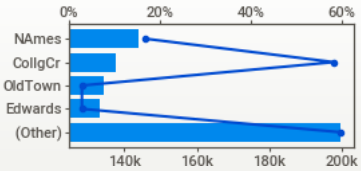
DISTINCT: 3 (0%)



13 Neighborhood

VALUES: 1,460 (100%)
MISSING: ---

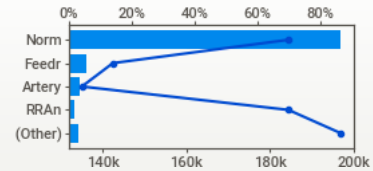
DISTINCT: 25 (2%)



14 Condition1

VALUES: 1,460 (100%)
MISSING: ---

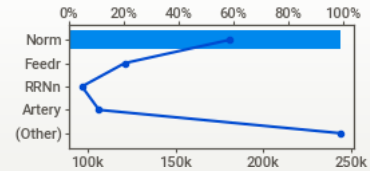
DISTINCT: 9 (1%)



15 Condition2

VALUES: 1,460 (100%)
MISSING: ---

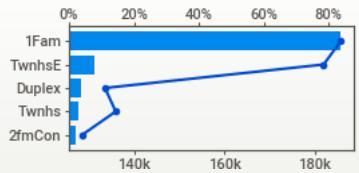
DISTINCT: 8 (1%)



16 BldgType

VALUES: 1,460 (100%)
MISSING: ---

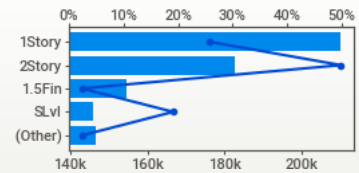
DISTINCT: 5 (0%)



17 HouseStyle

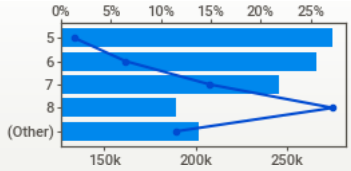
VALUES: 1,460 (100%)
MISSING: ---

DISTINCT: 8 (1%)



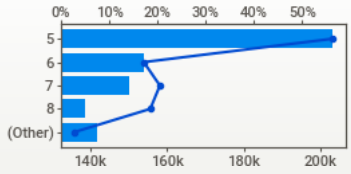
18 OverallQual

VALUES:	1,460 (100%)
MISSING:	---
DISTINCT:	10 (1%)



19 OverallCond

VALUES:	1,460 (100%)
MISSING:	---
DISTINCT:	9 (1%)

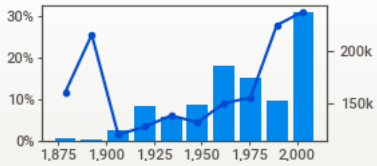


20 YearBuilt

VALUES:	1,460 (100%)
MISSING:	---
DISTINCT:	112 (8%)

MAX	2,010
95%	2,007
Q3	2,000
MEDIAN	1,973
AVG	1,971
Q1	1,954
5%	1,916
MIN	1,872

RANGE	138
IQR	46.0
STD	30.2
VAR	912
KURT.	-0.440
SKEW	-0.613
SUM	2.9M

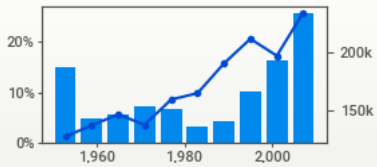


21 YearRemodAdd

VALUES:	1,460 (100%)
MISSING:	---
DISTINCT:	61 (4%)

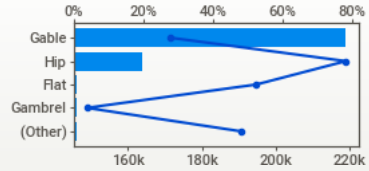
MAX	2,010.0
95%	2,007.0
Q3	2,004.0
MEDIAN	1,994.0
AVG	1,984.9
Q1	1,967.0
5%	1,950.0
MIN	1,950.0

RANGE	60.0
IQR	37.0
STD	20.6
VAR	426
KURT.	-1.27
SKEW	-0.504
SUM	2.9M



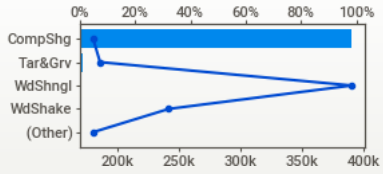
22 RoofStyle

VALUES:	1,460 (100%)
MISSING:	---
DISTINCT:	6 (0%)



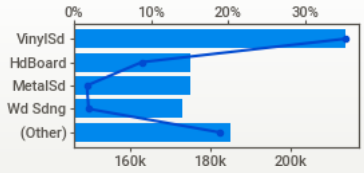
23 RoofMatl

VALUES:	1,460 (100%)
MISSING:	---
DISTINCT:	8 (1%)



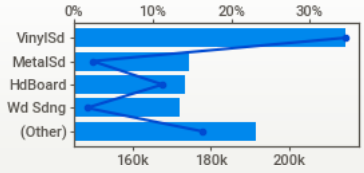
24 Exterior1st

VALUES:	1,460 (100%)
MISSING:	---
DISTINCT:	15 (1%)



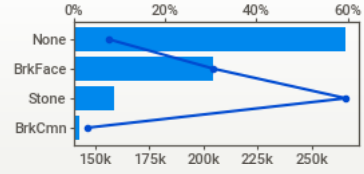
25 Exterior2nd

VALUES:	1,460 (100%)
MISSING:	---
DISTINCT:	16 (1%)



26 MasVnrType

VALUES:	1,452 (99%)
MISSING:	8 (1%)
DISTINCT:	4 (0%)



27 MasVnrArea

VALUES:	1,452 (99%)
MISSING:	8 (1%)
DISTINCT:	327 (22%)

MAX	1,600
95%	456
Q3	166
AVG	104
MEDIAN	0
Q1	0
5%	0

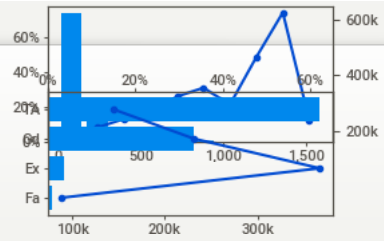
RANGE	1,600
IQR	166
STD	181
VAR	32,785
KURT.	10.1
SKEW	2.67
SUM	151k

MIN 0

28 ExterQual

VALUES: 1,460 (100%)
MISSING: ---

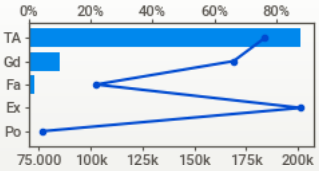
DISTINCT: 4 (0%)



29 ExterCond

VALUES: 1,460 (100%)
MISSING: ---

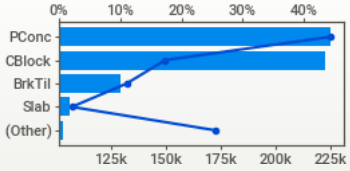
DISTINCT: 5 (0%)



30 Foundation

VALUES: 1,460 (100%)
MISSING: ---

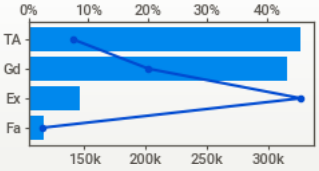
DISTINCT: 6 (0%)



31 BsmtQual

VALUES: 1,423 (97%)
MISSING: 37 (3%)

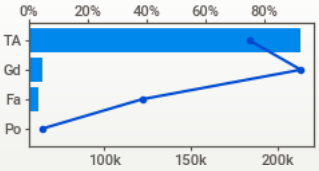
DISTINCT: 4 (0%)



32 BsmtCond

VALUES: 1,423 (97%)
MISSING: 37 (3%)

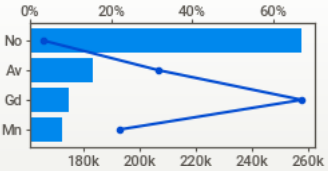
DISTINCT: 4 (0%)



33 BsmtExposure

VALUES: 1,422 (97%)
MISSING: 38 (3%)

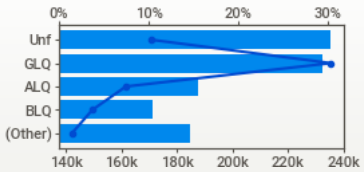
DISTINCT: 4 (0%)



34 BsmtFinType1

VALUES: 1,423 (97%)
MISSING: 37 (3%)

DISTINCT: 6 (0%)



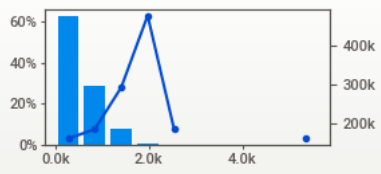
35 BsmtFinSF1

VALUES: 1,460 (100%)
MISSING: ---

DISTINCT: 637 (44%)

MAX	5,644
95%	1,274
Q3	712
AVG	444
MEDIAN	384
Q1	0
5%	0
MIN	0

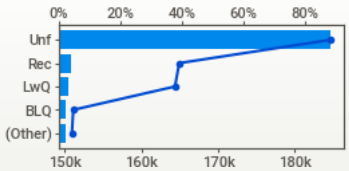
RANGE	5,644
IQR	712
STD	456
VAR	208k
KURT.	11.1
SKEW	1.69
SUM	648k



36 BsmtFinType2

VALUES: 1,422 (97%)
MISSING: 38 (3%)

DISTINCT: 6 (0%)



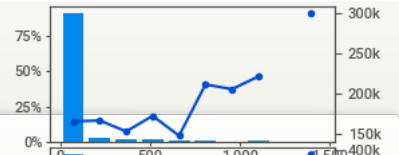
37 BsmtFinSF2

VALUES: 1,460 (100%)
MISSING: ---

MAX	1,474
95%	396
Q3	0
AVG	47

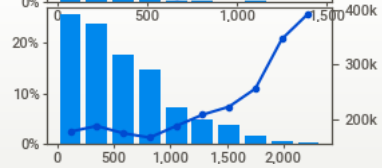
RANGE	1,474
IQR	0.00
STD	161
VAR	26,024

DISTINCT:	144 (10%)	MEDIAN	0	KURT. 20.1
		Q1	0	SKEW 4.26
		5%	0	SUM 67,962
		MIN	0	



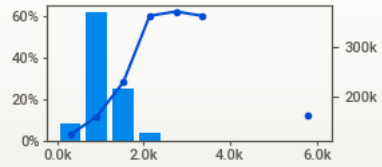
38 BsmtUnfSF

VALUES:	1,460 (100%)	MAX	2,336	RANGE	2,336
MISSING:	---	95%	1,468	IQR	585
		Q3	808	STD	442
DISTINCT:	780 (53%)	AVG	567	VAR	195k
		MEDIAN	478		
		Q1	223	KURT.	0.475
		5%	0	SKEW	0.920
		MIN	0	SUM	828k



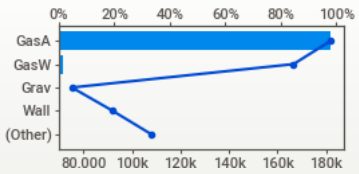
39 TotalBsmtSF

VALUES:	1,460 (100%)	MAX	6,110	RANGE	6,110
MISSING:	---	95%	1,753	IQR	502
		Q3	1,298	STD	439
DISTINCT:	721 (49%)	AVG	1,057	VAR	192k
		MEDIAN	992		
		Q1	796	KURT.	13.3
		5%	519	SKEW	1.52
		MIN	0	SUM	1.5M



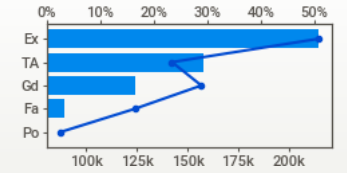
40 Heating

VALUES:	1,460 (100%)				
MISSING:	---				
DISTINCT:	6 (0%)				



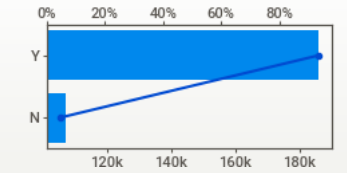
41 HeatingQC

VALUES:	1,460 (100%)				
MISSING:	---				
DISTINCT:	5 (0%)				



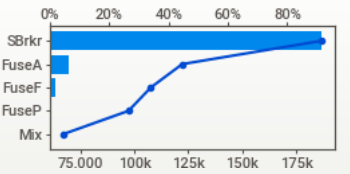
42 CentralAir

VALUES:	1,460 (100%)				
MISSING:	---				
DISTINCT:	2 (0%)				



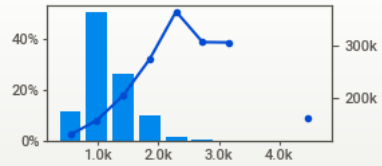
43 Electrical

VALUES:	1,459 (99%)				
MISSING:	1 (0%)				
DISTINCT:	5 (0%)				



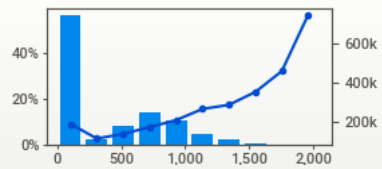
44 1stFlrSF

VALUES:	1,460 (100%)	MAX	4,692	RANGE	4,358
MISSING:	---	95%	1,831	IQR	509
		Q3	1,391	STD	387
DISTINCT:	753 (52%)	AVG	1,163	VAR	149k
		MEDIAN	1,087		
		Q1	882	KURT.	5.75
		5%	673	SKEW	1.38
		MIN	334	SUM	1.7M



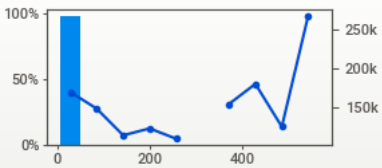
45 2ndFlrSF

VALUES:	1,460 (100%)	MAX	2,065	RANGE	2,065
MISSING:	---	95%	1,141	IQR	728
		Q3	728	STD	437
DISTINCT:	417 (29%)	AVG	347	VAR	191k
		MEDIAN	0		
		Q1	0	KURT.	-0.553
		5%	0	SKEW	0.813
		MIN	0	SUM	507k



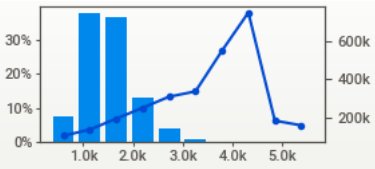
46 LowQualFinSF

VALUES:	1,460 (100%)	MAX	572	RANGE	572
MISSING:	---	95%	0	IQR	0.00
		Q3	0	STD	48.6
DISTINCT:	24 (2%)	AVG	6	VAR	2,364
		MEDIAN	0		
		Q1	0	KURT.	83.2
		5%	0	SKEW	9.01
		MIN	0	SUM	8,533



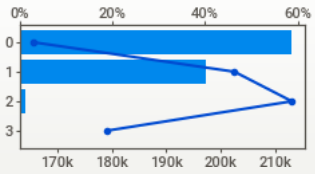
47 GrLivArea

VALUES:	1,460 (100%)	MAX	5,642	RANGE	5,308
MISSING:	---	95%	2,466	IQR	647
		Q3	1,777	STD	525
DISTINCT:	861 (59%)	AVG	1,515	VAR	276k
		MEDIAN	1,464		
		Q1	1,130	KURT.	4.90
		5%	848	SKEW	1.37
		MIN	334	SUM	2.2M



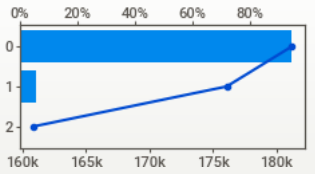
48 BsmtFullBath

VALUES:	1,460 (100%)		
MISSING:	---		
DISTINCT:	4 (0%)		



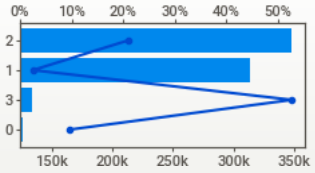
49 BsmtHalfBath

VALUES:	1,460 (100%)		
MISSING:	---		
DISTINCT:	3 (0%)		



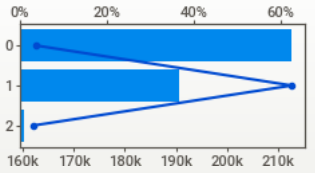
50 FullBath

VALUES:	1,460 (100%)		
MISSING:	---		
DISTINCT:	4 (0%)		



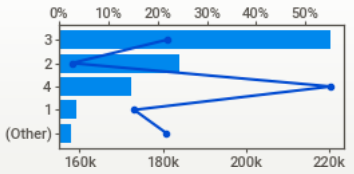
51 HalfBath

VALUES:	1,460 (100%)		
MISSING:	---		
DISTINCT:	3 (0%)		



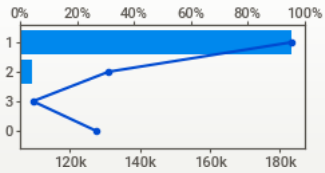
52 BedroomAbvGr

VALUES:	1,460 (100%)		
MISSING:	---		
DISTINCT:	8 (1%)		



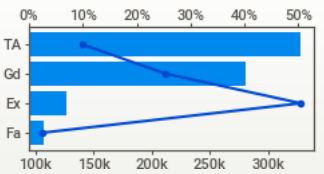
53 KitchenAbvGr

VALUES:	1,460 (100%)		
MISSING:	---		
DISTINCT:	4 (0%)		



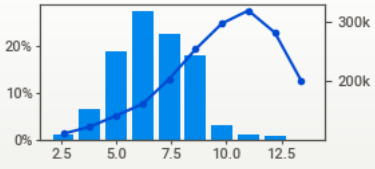
54 KitchenQual

VALUES:	1,460 (100%)		
MISSING:	---		
DISTINCT:	4 (0%)		



55 TotRmsAbvGrd

VALUES:	1,460 (100%)	MAX	14.0	RANGE	12.0
MISSING:	---	95%	10.0	IQR	2.00
		Q3	7.0	STD	1.63
DISTINCT:	12 (1%)	AVG	6.5	VAR	2.64
		MEDIAN	6.0		
		Q1	5.0	KURT.	0.881
		5%	4.0	SKEW	0.676
		MIN	2.0	SUM	9,516

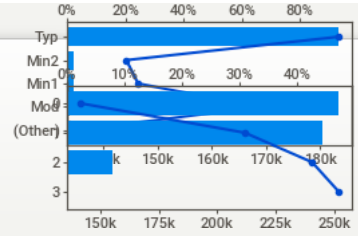


56 Functional

VALUES:	1,460 (100%)		
MISSING:	---		
DISTINCT:	7 (0%)		

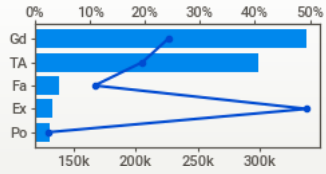
57 Fireplaces

VALUES:	1,460	(100%)
MISSING:	---	
DISTINCT:	4	(0%)



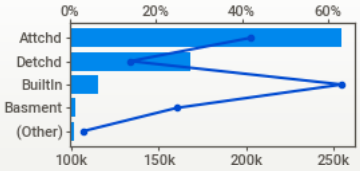
58 FireplaceQu

VALUES:	770	(53%)
MISSING:	690	(47%)
DISTINCT:	5	(0%)



59 GarageType

VALUES:	1,379	(94%)
MISSING:	81	(6%)
DISTINCT:	6	(0%)

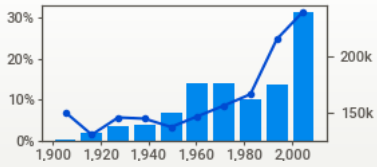


60 GarageYrBlt

VALUES:	1,379	(94%)
MISSING:	81	(6%)
DISTINCT:	97	(7%)

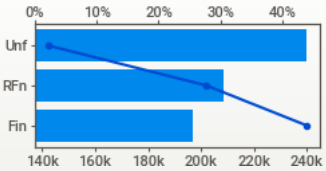
MAX	2,010
95%	2,007
Q3	2,002
MEDIAN	1,980
AVG	1,979
Q1	1,961
5%	1,930
MIN	1,900

RANGE	110
IQR	41.0
STD	24.7
VAR	610
KURT.	-0.418
SKEW	-0.649
SUM	2.7M



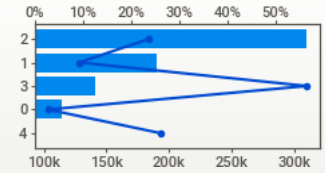
61 GarageFinish

VALUES:	1,379	(94%)
MISSING:	81	(6%)
DISTINCT:	3	(0%)



62 GarageCars

VALUES:	1,460	(100%)
MISSING:	---	
DISTINCT:	5	(0%)

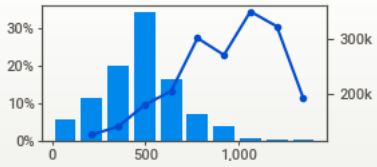


63 GarageArea

VALUES:	1,460	(100%)
MISSING:	---	
DISTINCT:	441	(30%)

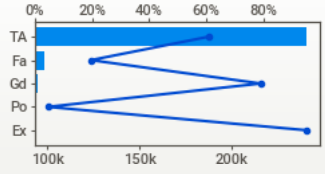
MAX	1,418
95%	850
Q3	576
MEDIAN	480
AVG	473
Q1	334
5%	0
MIN	0

RANGE	1,418
IQR	242
STD	214
VAR	45,713
KURT.	0.917
SKEW	0.180
SUM	691k



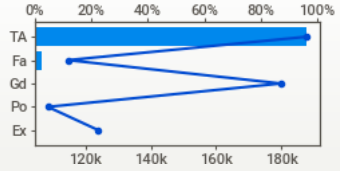
64 GarageQual

VALUES:	1,379	(94%)
MISSING:	81	(6%)
DISTINCT:	5	(0%)



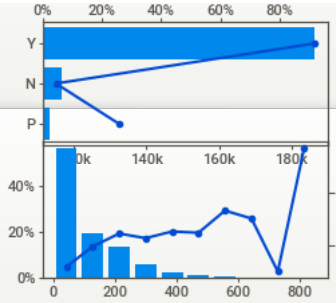
65 GarageCond

VALUES:	1,379	(94%)
MISSING:	81	(6%)
DISTINCT:	5	(0%)



66 PavedDrive

VALUES:	1,460	(100%)
MISSING:	---	
DISTINCT:	3	(0%)

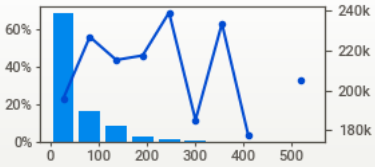


67 WoodDeckSF

VALUES:	1,460 (100%)	MAX	857	RANGE	857
MISSING:	---	95%	335	IQR	168
		Q3	168	STD	125
DISTINCT:	274 (19%)	AVG	94	VAR	15,710
		MEDIAN	0		
		Q1	0	KURT.	2.99
		5%	0	SKEW	1.54
		MIN	0	SUM	138k

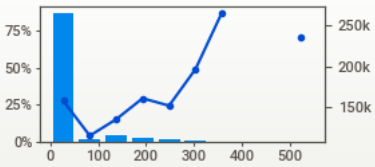
68 OpenPorchSF

VALUES:	1,460 (100%)	MAX	547	RANGE	547
MISSING:	---	95%	175	IQR	68.0
		Q3	68	STD	66.3
DISTINCT:	202 (14%)	AVG	47	VAR	4,390
		MEDIAN	25		
		Q1	0	KURT.	8.49
		5%	0	SKEW	2.36
		MIN	0	SUM	68,124



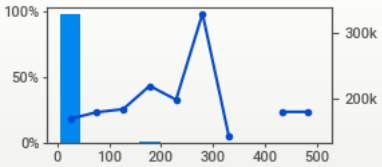
69 EnclosedPorch

VALUES:	1,460 (100%)	MAX	552	RANGE	552
MISSING:	---	95%	180	IQR	0.00
		Q3	0	STD	61.1
DISTINCT:	120 (8%)	AVG	22	VAR	3,736
		MEDIAN	0		
		Q1	0	KURT.	10.4
		5%	0	SKEW	3.09
		MIN	0	SUM	32,053



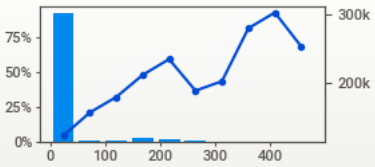
70 3SsnPorch

VALUES:	1,460 (100%)	MAX	508	RANGE	508
MISSING:	---	95%	0	IQR	0.00
		Q3	0	STD	29.3
DISTINCT:	20 (1%)	AVG	3	VAR	860
		MEDIAN	0		
		Q1	0	KURT.	124
		5%	0	SKEW	10.3
		MIN	0	SUM	4,978



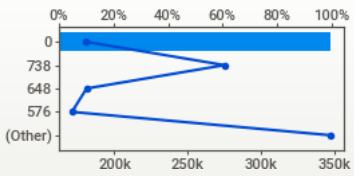
71 ScreenPorch

VALUES:	1,460 (100%)	MAX	480	RANGE	480
MISSING:	---	95%	160	IQR	0.00
		Q3	0	STD	55.8
DISTINCT:	76 (5%)	AVG	15	VAR	3,109
		MEDIAN	0		
		Q1	0	KURT.	18.4
		5%	0	SKEW	4.12
		MIN	0	SUM	21,989



72 PoolArea

VALUES:	1,460 (100%)
MISSING:	---
DISTINCT:	8 (1%)

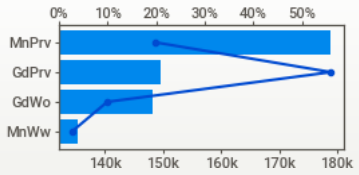


73 PoolQC

VALUES:	7 (0%)	3	43%	Gd
MISSING:	1,453 (99%)	2	29%	Fa
		2	29%	Ex
DISTINCT:	3 (0%)			

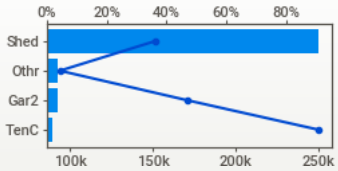
74 Fence

VALUES:	281 (19%)
MISSING:	1,179 (81%)
DISTINCT:	4 (0%)



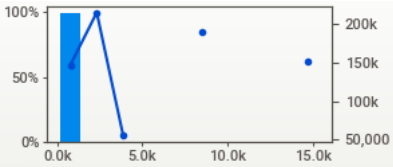
75 MiscFeature

VALUES:	54 (4%)
MISSING:	1,406 (96%)
DISTINCT:	4 (0%)



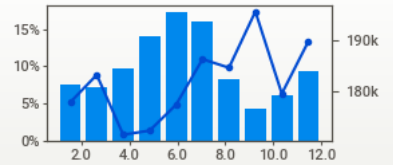
76 MiscVal

VALUES:	1,460 (100%)	MAX	15,500	RANGE	15,500
MISSING:	---	95%	0	IQR	0.00
		Q3	0	STD	496
DISTINCT:	21 (1%)	AVG	43	VAR	246k
		MEDIAN	0		
		Q1	0	KURT.	701
		5%	0	SKEW	24.5
		MIN	0	SUM	63,494



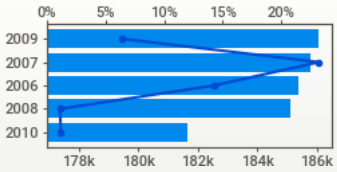
77 MoSold

VALUES:	1,460 (100%)	MAX	12.0	RANGE	11.0
MISSING:	---	95%	11.0	IQR	3.00
		Q3	8.0	STD	2.70
DISTINCT:	12 (1%)	AVG	6.3	VAR	7.31
		MEDIAN	6.0		
		Q1	5.0	KURT.	-0.404
		5%	2.0	SKEW	0.212
		MIN	1.0	SUM	9,230



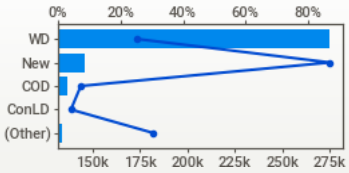
78 YrSold

VALUES:	1,460 (100%)				
MISSING:	---				
DISTINCT:	5 (0%)				



79 SaleType

VALUES:	1,460 (100%)				
MISSING:	---				
DISTINCT:	9 (1%)				



80 SaleCondition

VALUES:	1,460 (100%)				
MISSING:	---				
DISTINCT:	6 (0%)