

SweetVIZ

v1.0.alpha

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Graphic design by [Jean-Francois Hains](#)

Train		Test	
1460	ROWS	1459	
0	DUPLICATES	0	
4.6 MB	RAM	4.1 MB	
80	FEATURES	80	
54	CATEGORICAL	54	
25	NUMERICAL	25	
1	TEXT	1	

1 SalePrice

VALUES: 1,460 (100%) MISSING: --- DISTINCT: 663 (45%)

	MAX	RANGE	
95%	326k	IQR	84,025
Q3	214k	STD	79,443
Avg	181k	VAR	6.3B
Median	163k	KURT.	6.54
Q1	130k	SKW	1.88
5%	88k	SUM	264.1M
MIN	35k		

2 Id

VALUES: 1,460 (100%) 1,459 (100%) MISSING: --- --- DISTINCT: 1,460 (100%) 1,459 (100%)

	MAX	RANGE	
95%	1,387	IQR	730
Q3	1,095	STD	422
Median	730	VAR	178k
Avg	730	KURT.	-1.20
Q1	366	SKW	0.00
5%	74	SUM	3.2M
MIN	1		

3 MSZoning

VALUES: 1,460 (100%) 1,455 (99%) MISSING: --- 4 (0%) DISTINCT: 5 (0%) 5 (0%)

4 LotFrontage

VALUES: 1,201 (82%) 1,232 (84%) MISSING: 259 (18%) 227 (16%) DISTINCT: 110 (8%) 115 (8%)

	MAX	RANGE	
95%	107	IQR	21.0
Q3	80	STD	24.3
Avg	70	VAR	590
Median	69	KURT.	17.5
Q1	59	SKW	2.16
5%	34	SUM	84,130
MIN	21		

5 LotArea

VALUES: 1,460 (100%) 1,459 (100%) MISSING: --- --- DISTINCT: 1,073 (73%) 1,106 (76%)

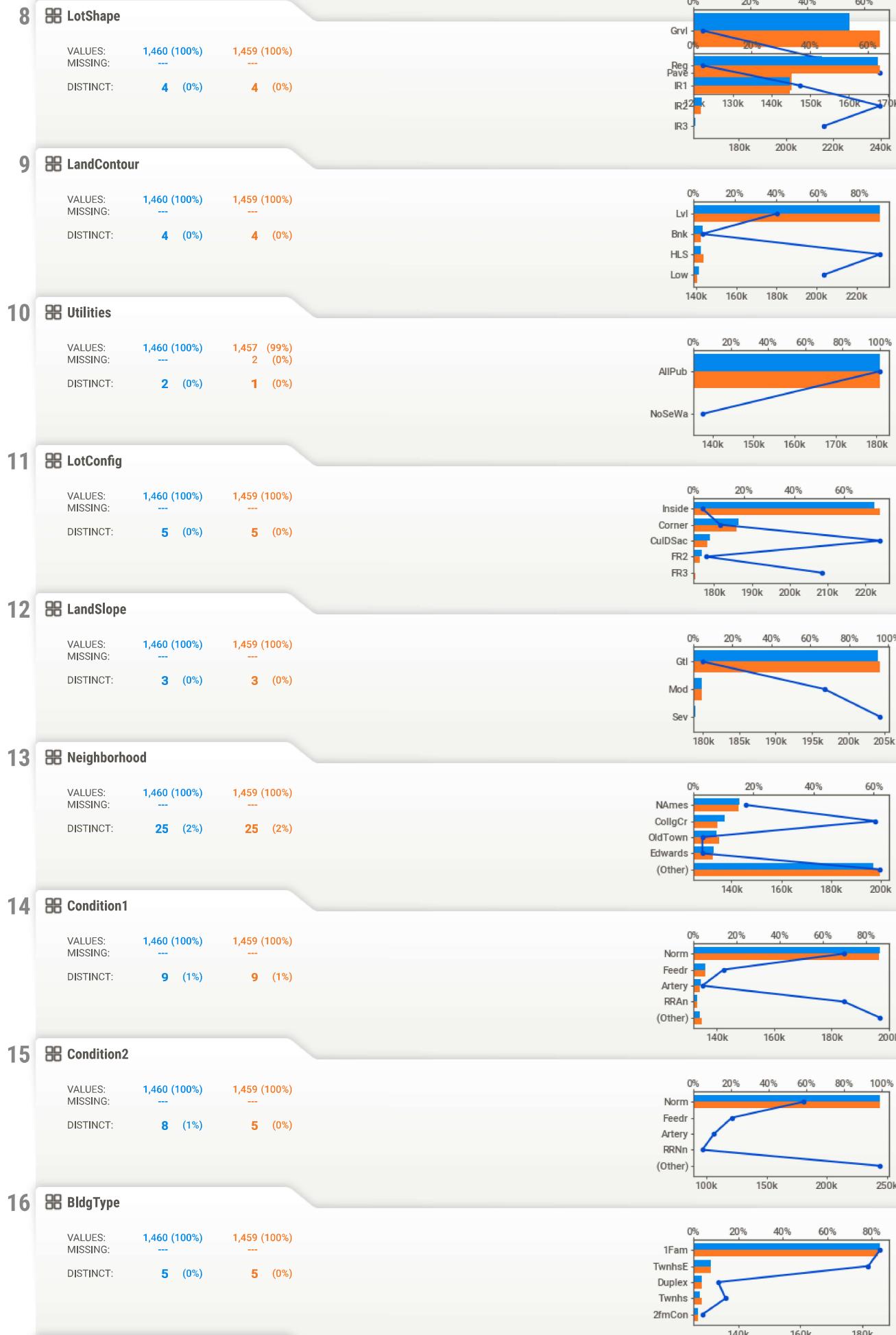
	MAX	RANGE	
95%	215k	IQR	21.4k
Q3	17k	STD	4,048
Avg	12k	VAR	9,981
Median	9k	KURT.	203
Q1	8k	SKW	12.2
5%	3k	SUM	55,130
MIN	1k		

6 Street

VALUES: 1,460 (100%) 1,459 (100%) MISSING: --- --- DISTINCT: 2 (0%) 2 (0%)

7 Alley

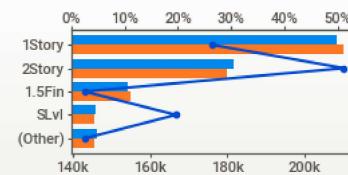
VALUES: 91 (6%) 107 (7%) MISSING: 1,369 (94%) 1,352 (93%) DISTINCT: 2 (0%) 2 (0%)



17

HouseStyle

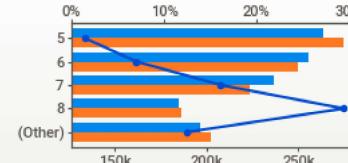
VALUES:	1,460 (100%)	1,459 (100%)
MISSING:	---	---
DISTINCT:	8 (1%)	7 (0%)



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OverallQual

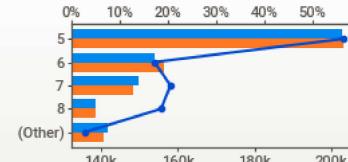
VALUES:	1,460 (100%)	1,459 (100%)
MISSING:	---	---
DISTINCT:	10 (1%)	10 (1%)



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OverallCond

VALUES:	1,460 (100%)	1,459 (100%)
MISSING:	---	---
DISTINCT:	9 (1%)	9 (1%)

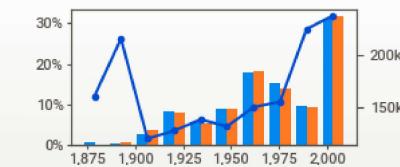


20

YearBuilt

VALUES:	1,460 (100%)	1,459 (100%)
MISSING:	---	---
DISTINCT:	112 (8%)	106 (7%)

MAX	2,010	2,010
95%	2,007	2,007
Q3	2,000	2,001
MEDIAN	1,973	1,973
AVG	1,971	1,971
Q1	1,954	1,953
5%	1,916	1,915
MIN	1,872	1,879

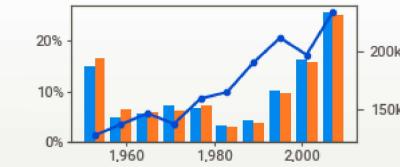


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YearRemodAdd

VALUES:	1,460 (100%)	1,459 (100%)
MISSING:	---	---
DISTINCT:	61 (4%)	61 (4%)

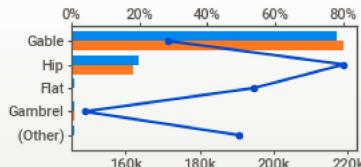
MAX	2,010.0	2,010.0
95%	2,007.0	2,007.0
Q3	2,004.0	2,004.0
MEDIAN	1,994.0	1,992.0
AVG	1,984.9	1,983.7
Q1	1,967.0	1,963.0
5%	1,950.0	1,950.0
MIN	1,950.0	1,950.0



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RoofStyle

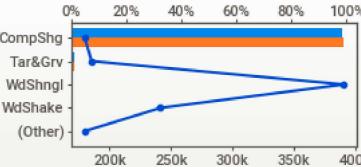
VALUES:	1,460 (100%)	1,459 (100%)
MISSING:	---	---
DISTINCT:	6 (0%)	6 (0%)



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RoofMatl

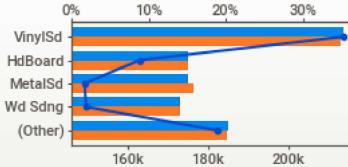
VALUES:	1,460 (100%)	1,459 (100%)
MISSING:	---	---
DISTINCT:	8 (1%)	4 (0%)



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Exterior1st

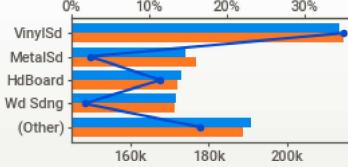
VALUES:	1,460 (100%)	1,458 (99%)
MISSING:	---	1 (0%)
DISTINCT:	15 (1%)	13 (1%)



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Exterior2nd

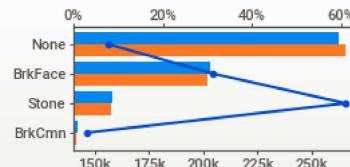
VALUES:	1,460 (100%)	1,458 (99%)
MISSING:	---	1 (0%)
DISTINCT:	16 (1%)	15 (1%)



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MasVnrType

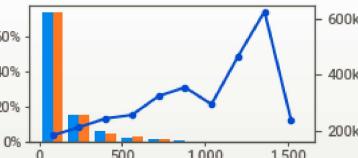
VALUES:	1,452 (99%)	1,443 (99%)
MISSING:	8 (1%)	16 (1%)
DISTINCT:	4 (0%)	4 (0%)



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MasVnrArea

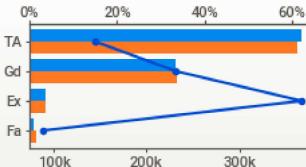
VALUES:	1,452 (99%)	1,444 (99%)	MAX	1,600	1,290	RANGE	1,600	1,290
MISSING:	8 (1%)	15 (1%)	95%	456	479	IQR	166	164
DISTINCT:	327 (22%)	303 (21%)	Q3	166	164	STD	181	178
			AVG	104	101	VAR	32,785	31,551
			MEDIAN	0	0	KURT.	10.1	8.38
			Q1	0	0	SKEW	2.67	2.53
			5%	0	0	SUM	151k	145k
			MIN	0	0			



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ExterQual

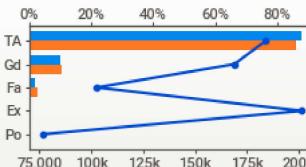
VALUES:	1,460 (100%)	1,459 (100%)
MISSING:	---	---
DISTINCT:	4 (0%)	4 (0%)



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ExterCond

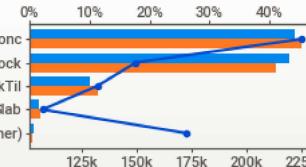
VALUES:	1,460 (100%)	1,459 (100%)
MISSING:	---	---
DISTINCT:	5 (0%)	5 (0%)



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Foundation

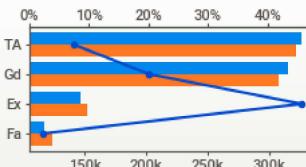
VALUES:	1,460 (100%)	1,459 (100%)
MISSING:	---	---
DISTINCT:	6 (0%)	6 (0%)



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BsmtQual

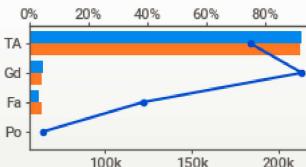
VALUES:	1,423 (97%)	1,415 (97%)
MISSING:	37 (3%)	44 (3%)
DISTINCT:	4 (0%)	4 (0%)



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BsmtCond

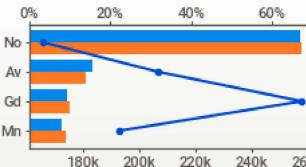
VALUES:	1,423 (97%)	1,414 (97%)
MISSING:	37 (3%)	45 (3%)
DISTINCT:	4 (0%)	4 (0%)



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BsmtExposure

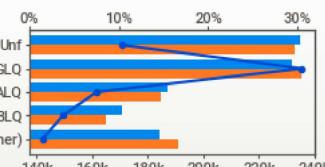
VALUES:	1,422 (97%)	1,415 (97%)
MISSING:	38 (3%)	44 (3%)
DISTINCT:	4 (0%)	4 (0%)



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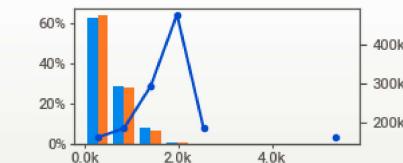
BsmtFinType1

VALUES:	1,423 (97%)	1,417 (97%)
MISSING:	37 (3%)	42 (3%)
DISTINCT:	6 (0%)	6 (0%)

**BsmtFinSF1**

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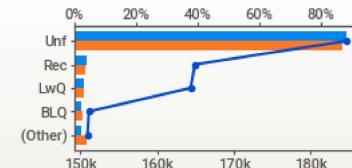
VALUES:	1,460 (100%)	1,458 (99%)	MAX	5,644	4,010	RANGE	5,644	4,010
MISSING:	---	1 (0%)	95%	1,274	1,291	IQR	712	754
DISTINCT:	637 (44%)	669 (46%)	Q3	712	754	STD	456	455
		Avg	444	439	VAR	208k	207k	
		Median	384	350				
		Q1	0	0	KURT.	11.1	2.67	
		5%	0	0	SKEW	1.69	1.17	
		MIN	0	0	SUM	648k	640k	



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BsmtFinType2

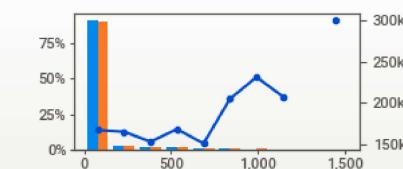
VALUES:	1,422 (97%)	1,417 (97%)
MISSING:	38 (3%)	42 (3%)
DISTINCT:	6 (0%)	6 (0%)



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BsmtFinSF2

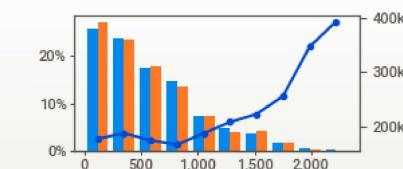
VALUES:	1,460 (100%)	1,458 (99%)	MAX	1,474	1,526	RANGE	1,474	1,526
MISSING:	---	1 (0%)	95%	396	448	IQR	0.00	0.00
DISTINCT:	144 (10%)	161 (11%)	Q3	0	0	STD	161	177
		Avg	47	53	VAR	26,024	31,242	
		Median	0	0				
		Q1	0	0	KURT.	20.1	17.7	
		5%	0	0	SKEW	4.26	4.04	
		MIN	0	0	SUM	67,962	76,719	



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BsmtUnfSF

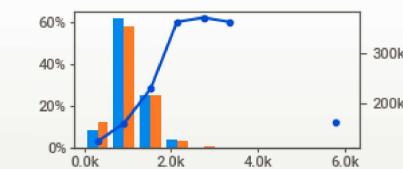
VALUES:	1,460 (100%)	1,458 (99%)	MAX	2,336	2,140	RANGE	2,336	2,140
MISSING:	---	1 (0%)	95%	1,468	1,488	IQR	585	578
DISTINCT:	780 (53%)	793 (54%)	Q3	808	798	STD	442	437
		Avg	567	554	VAR	195k	191k	
		Median	478	460				
		Q1	223	219	KURT.	0.475	0.333	
		5%	0	0	SKEW	0.920	0.920	
		MIN	0	0	SUM	828k	808k	



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TotalBsmtSF

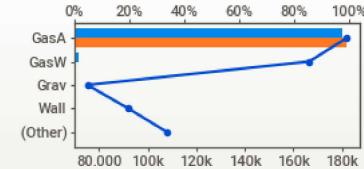
VALUES:	1,460 (100%)	1,458 (99%)	MAX	6,110	5,095	RANGE	6,110	5,095
MISSING:	---	1 (0%)	95%	1,753	1,782	IQR	502	521
DISTINCT:	721 (49%)	736 (50%)	Q3	1,298	1,305	STD	439	443
		Avg	1,057	1,046	VAR	192k	196k	
		Median	992	988				
		Q1	796	784	KURT.	13.3	5.20	
		5%	519	392	SKEW	1.52	0.814	
		MIN	0	0	SUM	1.5M	1.5M	



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Heating

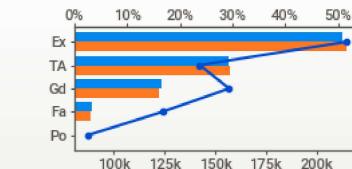
VALUES:	1,460 (100%)	1,459 (100%)
MISSING:	---	---
DISTINCT:	6 (0%)	4 (0%)



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HeatingQC

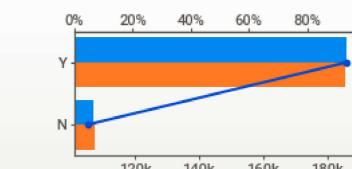
VALUES:	1,460 (100%)	1,459 (100%)
MISSING:	---	---
DISTINCT:	5 (0%)	5 (0%)



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CentralAir

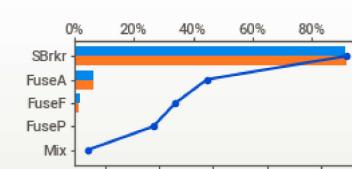
VALUES:	1,460 (100%)	1,459 (100%)
MISSING:	---	---
DISTINCT:	2 (0%)	2 (0%)



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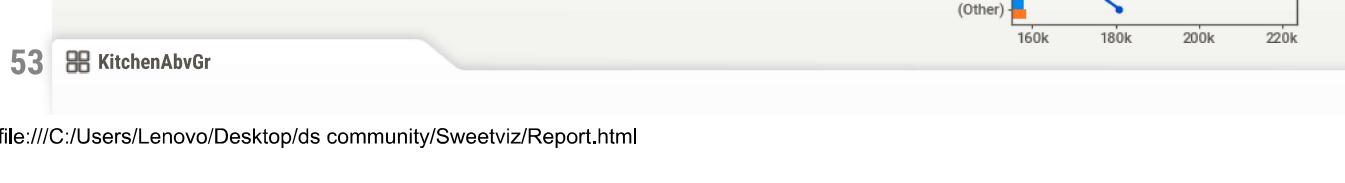
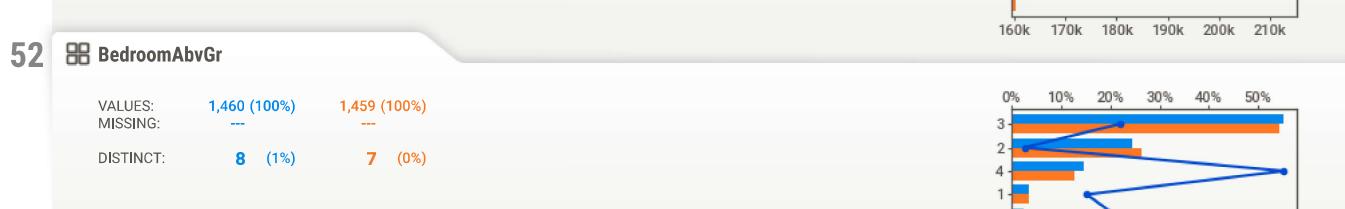
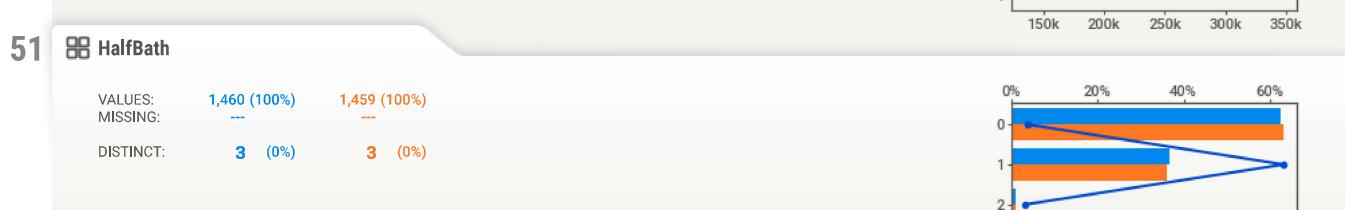
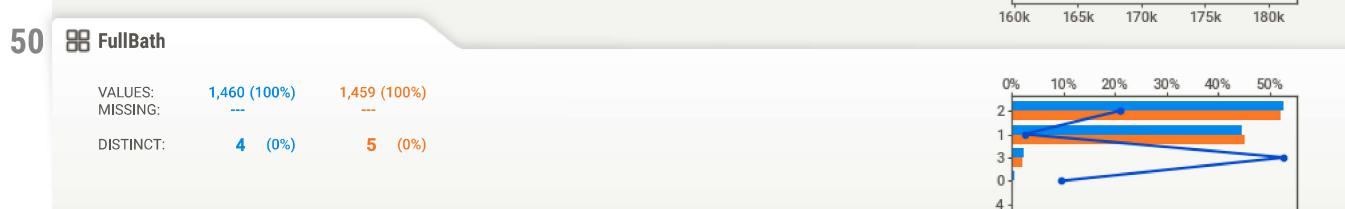
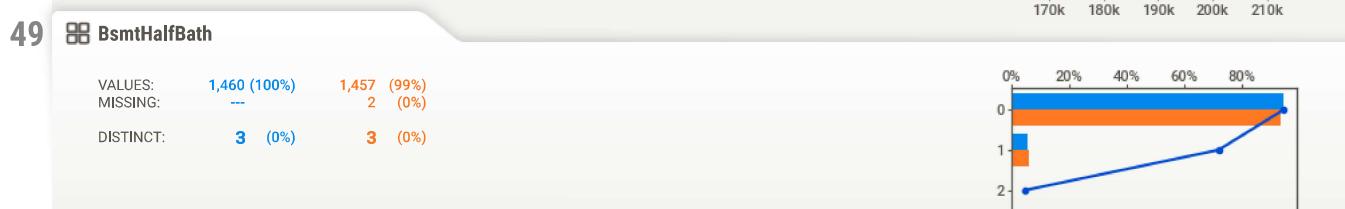
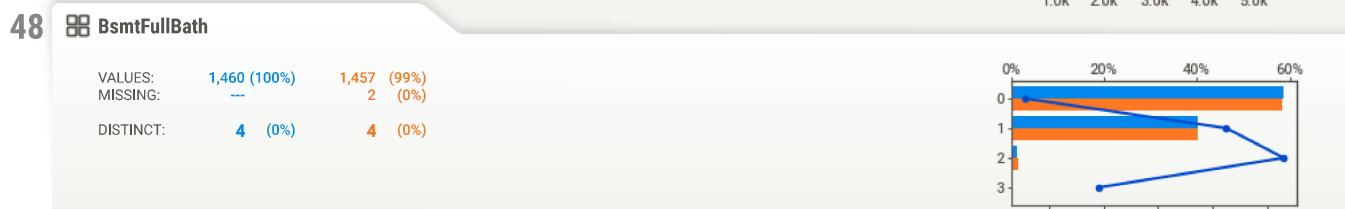
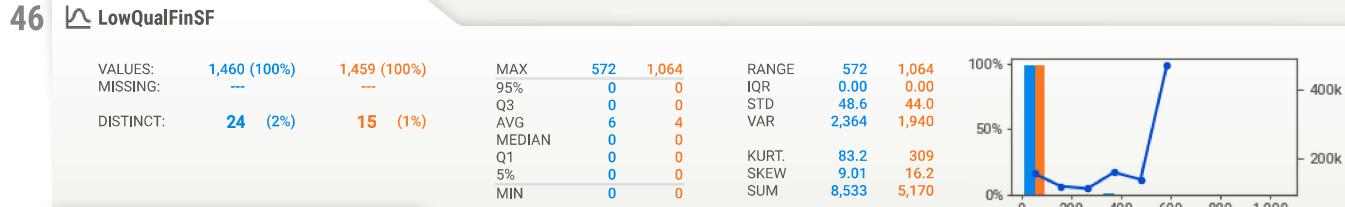
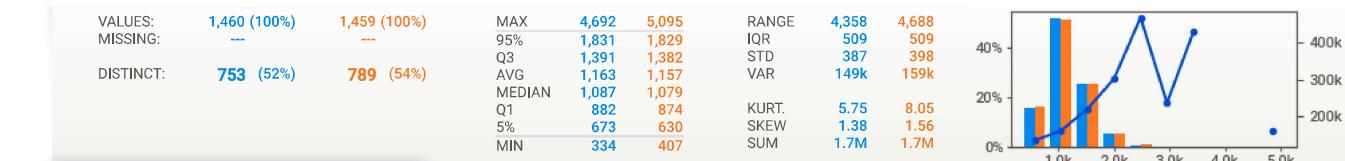
Electrical

VALUES:	1,459 (99%)	1,459 (100%)
MISSING:	1 (0%)	---
DISTINCT:	5 (0%)	4 (0%)

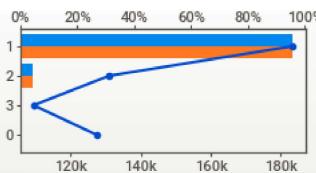


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1stFlrSF

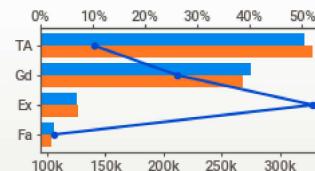


VALUES: 1,460 (100%) 1,459 (100%)
 MISSING: ---
 DISTINCT: 4 (0%) 3 (0%)



54 KitchenQual

VALUES: 1,460 (100%) 1,458 (99%)
 MISSING: --- 1 (0%)
 DISTINCT: 4 (0%) 4 (0%)

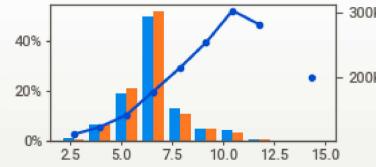


55 ▲ TotRmsAbvGrd

VALUES: 1,460 (100%) 1,459 (100%)
 MISSING: --- ---
 DISTINCT: 12 (1%) 12 (1%)

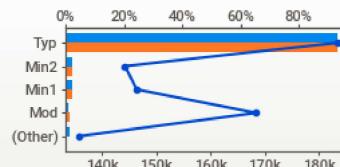
Stat	MAX	95%	Q3	Avg	Median	Q1	5%	MIN
MAX	14.0	15.0						
95%	10.0	9.0	7.0	6.5	6.0	5.0	4.0	2.0
Q3			7.0	7.0				
Avg				6.4	6.0	5.0	4.0	3.0
Median					6.0	5.0	4.0	
Q1						5.0	4.0	
5%							4.0	
MIN								2.0

RANGE 12.0 12.0
 IQR 2.00 2.00
 STD 1.63 1.51
 VAR 2.64 2.28
 KURT. 0.881 1.52
 SKEW 0.676 0.843
 SUM 9,516 9,316



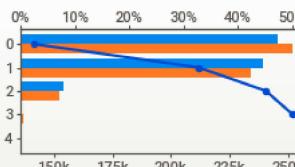
56 Functional

VALUES: 1,460 (100%) 1,457 (99%)
 MISSING: --- 2 (0%)
 DISTINCT: 7 (0%) 7 (0%)



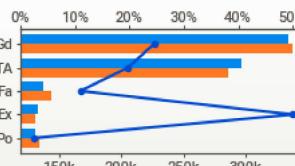
57 Fireplaces

VALUES: 1,460 (100%) 1,459 (100%)
 MISSING: --- ---
 DISTINCT: 4 (0%) 5 (0%)



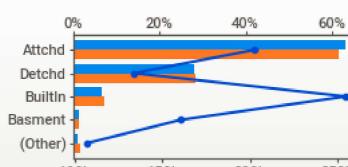
58 FireplaceQu

VALUES: 770 (53%) 729 (50%)
 MISSING: 690 (47%) 730 (50%)
 DISTINCT: 5 (0%) 5 (0%)



59 GarageType

VALUES: 1,379 (94%) 1,383 (95%)
 MISSING: 81 (6%) 76 (5%)
 DISTINCT: 6 (0%) 6 (0%)

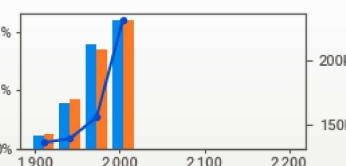


60 ▲ GarageYrBlt

VALUES: 1,379 (94%) 1,381 (95%)
 MISSING: 81 (6%) 78 (5%)
 DISTINCT: 97 (7%) 97 (7%)

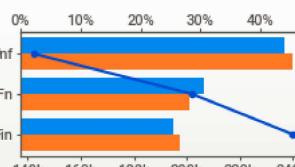
Stat	MAX	95%	Q3	MEDIAN	Avg	Q1	5%	MIN
MAX	2,010	2,207						
95%	2,007	2,007	2,002	1,980	1,979	1,961	1,930	1,900
Q3			2,002	1,980	1,979	1,959	1,926	1,895
MEDIAN				1,980	1,979	1,959	1,926	1,895
Avg					1,979	1,978	1,926	1,895
Q1						1,961	1,959	
5%							1,926	
MIN								1,895

RANGE 110 312
 IQR 41.0 43.0
 STD 24.7 26.4
 VAR 610 699
 KURT. -0.418 3.50
 SKEW -0.649 -0.158
 SUM 2.7M 2.7M



61 GarageFinish

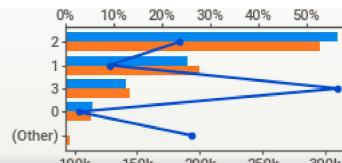
VALUES: 1,379 (94%) 1,381 (95%)
 MISSING: 81 (6%) 78 (5%)
 DISTINCT: 3 (0%) 3 (0%)



62 GarageCars

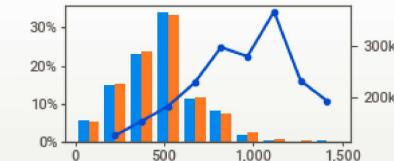
VALUES: 1,460 (100%) 1,458 (99%)

MISSING: **--** 1 (0%)
 DISTINCT: **5** (0%) 6 (0%)



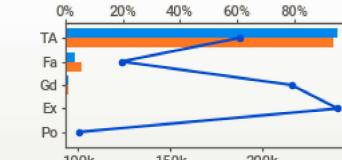
63 ▾ GarageArea

VALUES:	1,460 (100%)	1,458 (99%)	MAX	1,418	1,488	RANGE	1,418	1,488
MISSING:	---	1 (0%)	95%	850	864	IQR	242	258
DISTINCT:	441 (30%)	459 (31%)	Q3	576	576	STD	214	217
			MEDIAN	480	480	VAR	45,713	47,110
			AVG	473	473	KURT.	0.917	0.967
			Q1	334	318	SKEW	0.180	0.300
			5%	0	0	SUM	691k	689k
			MIN	0	0			



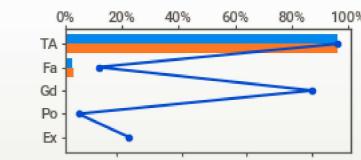
64 ▾ GarageQual

VALUES:	1,379 (94%)	1,381 (95%)
MISSING:	81 (6%)	78 (5%)
DISTINCT:	5 (0%)	4 (0%)



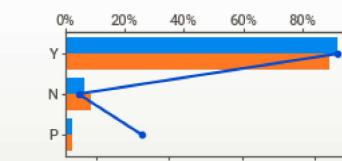
65 ▾ GarageCond

VALUES:	1,379 (94%)	1,381 (95%)
MISSING:	81 (6%)	78 (5%)
DISTINCT:	5 (0%)	5 (0%)



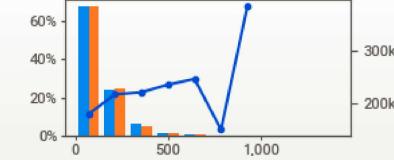
66 ▾ PavedDrive

VALUES:	1,460 (100%)	1,459 (100%)
MISSING:	---	---
DISTINCT:	3 (0%)	3 (0%)



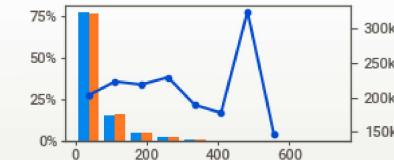
67 ▾ WoodDeckSF

VALUES:	1,460 (100%)	1,459 (100%)	MAX	857	1,424	RANGE	857	1,424
MISSING:	---	---	95%	335	319	IQR	168	168
DISTINCT:	274 (19%)	263 (18%)	Q3	168	168	STD	125	128
			AVG	94	93	VAR	15,710	16,319
			MEDIAN	0	0	KURT.	2.99	10.2
			Q1	0	0	SKEW	1.54	2.13
			5%	0	0	SUM	138k	136k
			MIN	0	0			



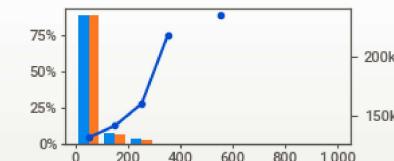
68 ▾ OpenPorchSF

VALUES:	1,460 (100%)	1,459 (100%)	MAX	547	742	RANGE	547	742
MISSING:	---	---	95%	175	189	IQR	68.0	72.0
DISTINCT:	202 (14%)	203 (14%)	Q3	68	72	STD	66.3	68.9
			AVG	47	48	VAR	4,390	4,745
			MEDIAN	25	28	KURT.	8.49	13.0
			Q1	0	0	SKEW	2.36	2.69
			5%	0	0	SUM	68,124	70,490
			MIN	0	0			



69 ▾ EnclosedPorch

VALUES:	1,460 (100%)	1,459 (100%)	MAX	552	1,012	RANGE	552	1,012
MISSING:	---	---	95%	180	169	IQR	0.00	0.00
DISTINCT:	120 (8%)	131 (9%)	Q3	0	0	STD	61.1	67.2
			AVG	22	24	VAR	3,736	4,520
			MEDIAN	0	0	KURT.	10.4	40.1
			Q1	0	0	SKEW	3.09	4.67
			5%	0	0	SUM	32,053	35,371
			MIN	0	0			



70 ▾ 3SsnPorch

VALUES:	1,460 (100%)	1,459 (100%)	MAX	508	360	RANGE	508	360
MISSING:	---	---	95%	0	0	IQR	0.00	0.00
DISTINCT:	20 (1%)	13 (1%)	Q3	0	0	STD	29.3	20.2
			AVG	3	2	VAR	860	408
			MEDIAN	0	0	KURT.	124	170
			Q1	0	0	SKEW	10.3	12.5
			5%	0	0	SUM	4,978	2,618
			MIN	0	0			



71 ▾ ScreenPorch

VALUES:	1,460 (100%)	1,459 (100%)	MAX	480	576	RANGE	480	576
MISSING:	---	---	95%	160	162	IQR	0.00	0.00

72 **PoolArea**

DISTINCT:	76 (5%)	75 (5%)	Q3	Avg	0	0	STD	55.8	56.6
			MEDIAN		0	0	KURT.	3,109	3,208
			Q1		0	0	SKEW	18.4	17.2
			5%		0	0	SUM	4.12	3.79
			MIN		0	0		21,989	24,897

73 **PoolQC**

VALUES:	7 (0%)	3 (0%)	3	43%	1	33%	Gd
MISSING:	1,453 (99%)	1,456 (99%)	2	29%	-	-	Fa
DISTINCT:	3 (0%)	2 (0%)	2	29%	2	67%	Ex

74 **Fence**

VALUES:	281 (19%)	290 (20%)	3	43%	1	33%	Gd
MISSING:	1,179 (81%)	1,169 (80%)	2	29%	-	-	Fa
DISTINCT:	4 (0%)	4 (0%)	2	29%	2	67%	Ex

75 **MiscFeature**

VALUES:	54 (4%)	51 (3%)	3	43%	1	33%	Gd
MISSING:	1,406 (96%)	1,408 (97%)	2	29%	-	-	Fa
DISTINCT:	4 (0%)	3 (0%)	2	29%	2	67%	Ex

76 **MiscVal**

VALUES:	1,460 (100%)	1,459 (100%)	MAX	15,500	17,000	RANGE	15,500	17,000
MISSING:	---	---	95%	0	0	IQR	0.00	0.00
DISTINCT:	21 (1%)	26 (2%)	Q3	0	0	STD	496	631
		AVG	43	58	VAR	246k	398k	
		MEDIAN	0	0	KURT.	701	472	
		Q1	0	0	SKEW	24.5	20.1	
		5%	0	0	SUM	63,494	84,867	
		MIN	0	0				

77 **MoSold**

VALUES:	1,460 (100%)	1,459 (100%)	MAX	12.0	12.0	RANGE	11.0	11.0
MISSING:	---	---	95%	11.0	11.0	IQR	3.00	4.00
DISTINCT:	12 (1%)	12 (1%)	Q3	8.0	8.0	STD	2.70	2.72
		AVG	6.3	6.1	VAR	7.31	7.41	
		MEDIAN	6.0	6.0	KURT.	-0.404	-0.508	
		Q1	5.0	4.0	SKEW	0.212	0.183	
		5%	2.0	2.0	SUM	9,230	8,906	
		MIN	1.0	1.0				

78 **YrSold**

VALUES:	1,460 (100%)	1,459 (100%)	MAX	12.0	12.0	RANGE	11.0	11.0
MISSING:	---	---	95%	11.0	11.0	IQR	3.00	4.00
DISTINCT:	5 (0%)	5 (0%)	Q3	8.0	8.0	STD	2.70	2.72
		AVG	6.3	6.1	VAR	7.31	7.41	
		MEDIAN	6.0	6.0	KURT.	-0.404	-0.508	
		Q1	5.0	4.0	SKEW	0.212	0.183	
		5%	2.0	2.0	SUM	9,230	8,906	
		MIN	1.0	1.0				

79 **SaleType**

VALUES:	1,460 (100%)	1,458 (99%)	MAX	1	0%	RANGE	11.0	11.0
MISSING:	---	1	0%			IQR	3.00	4.00
DISTINCT:	9 (1%)	9 (1%)	Q3	0	0	STD	2.70	2.72
		AVG	6.3	6.1	VAR	7.31	7.41	
		MEDIAN	6.0	6.0	KURT.	-0.404	-0.508	
		Q1	5.0	4.0	SKEW	0.212	0.183	
		5%	2.0	2.0	SUM	9,230	8,906	
		MIN	1.0	1.0				

80 **SaleCondition**

VALUES:	1,460 (100%)	1,459 (100%)	MAX	1	0%	RANGE	11.0	11.0
MISSING:	---	---	Q3	0	0	IQR	3.00	4.00
DISTINCT:	9 (1%)	9 (1%)	AVG	6.3	6.1	STD	2.70	2.72
		MEDIAN	6.0	6.0	VAR	7.31	7.41	
		Q1	5.0	4.0	KURT.	-0.404	-0.508	
		5%	2.0	2.0	SKEW	0.212	0.183	
		MIN	1.0	1.0	SUM	9,230	8,906	

DISTINCT:

6 (0%)**6** (0%)