Feature Selection and EDA Report

Null Values

Null Values by Columns/Features

Out of 80 total data columns, there are 19 columns with at least 1 null value.

Feature	Num of Nulls	Frac Null
PoolQC	1453	1.0
MiscFeature	1406	0.96
Alley	1369	0.94
Fence	1179	0.81
MasVnrType	872	0.6
FireplaceQu	690	0.47
LotFrontage	259	0.18
GarageType	81	0.06

Null Values by Rows/Data Samples

Out of 1460 total rows/data samples, 1460 rows have at least one null value.

The row with the most NULL values has 16 NULLs.

Numeric vs Non-Numeric Features and Unique Values Count

Out of 79 total feature columns, there are 36 numeric columns and 43 non-numeric columns.

Numeric Feature	Num Unique Values
BsmtHalfBath	3
HalfBath	3
BsmtFullBath	4
FullBath	4
KitchenAbvGr	4
Fireplaces	4
GarageCars	5
YrSold	5

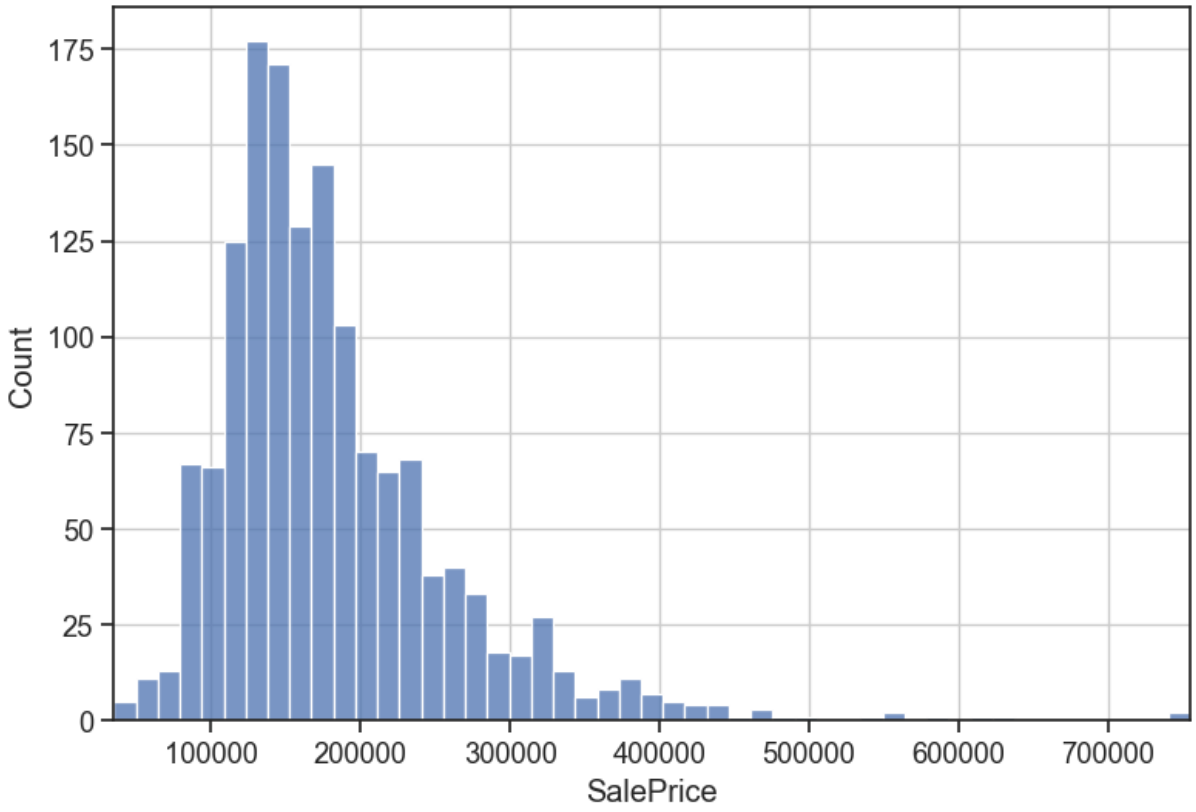
There are an additional 4 numeric feature columns with 10 or fewer unique values.

Non-Numeric Feature	Num Unique Values
Neighborhood	25
Exterior2nd	16
Exterior1st	15
Condition1	9
SaleType	9
Condition2	8
HouseStyle	8
RoofMatl	8

There are an additional 8 non-numeric feature columns with more than 5 unique values.

Target Column

For the chosen target column ('SalePrice'), this appears to be a regression problem.
The target column has 0 null values and 663 unique values.

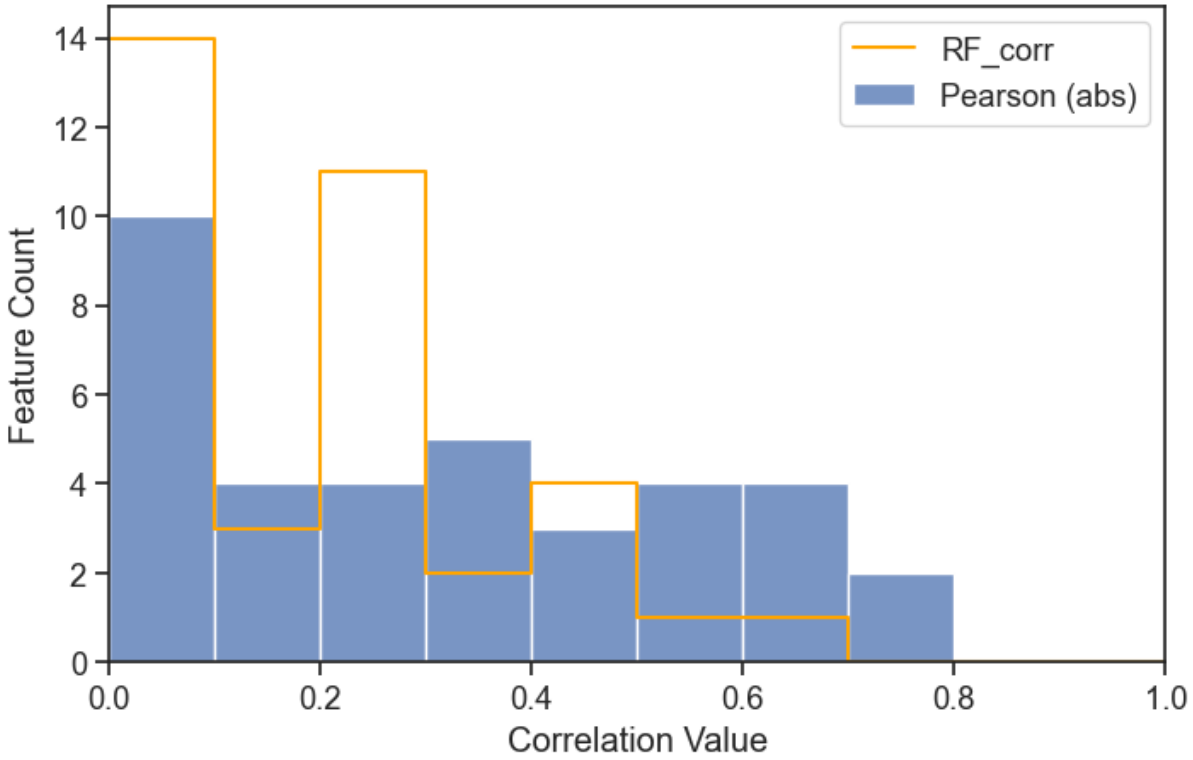


The above plot shows the distribution of values in the target column.

Feature Correlations

Correlations of Numeric Features with Target Variable

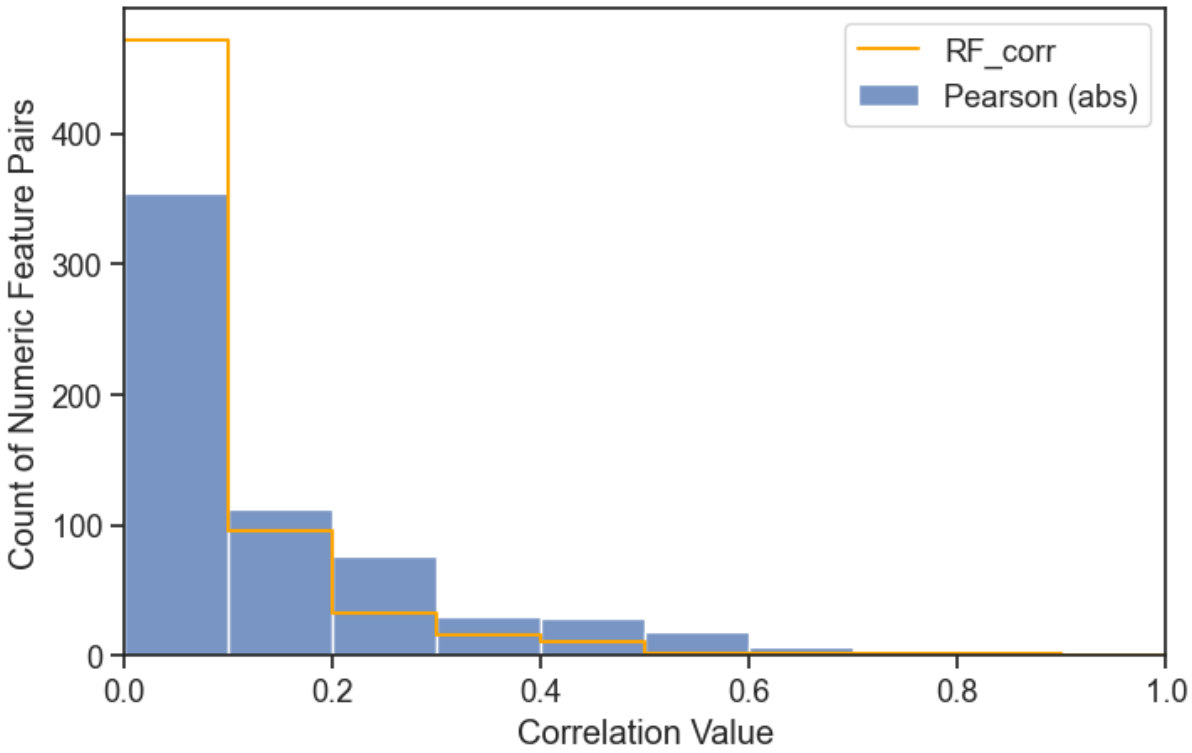
Numeric Feature	Count non-Null	Pearson Corr	RF Corr
OverallQual	1460	0.79	0.64
GrLivArea	1460	0.71	0.51
GarageCars	1460	0.64	0.48
GarageArea	1460	0.62	0.46
TotalBsmtSF	1460	0.61	0.46
1stFlrSF	1460	0.61	0.42
YearBuilt	1460	0.52	0.38
GarageYrBlt	1379	0.49	0.32



The above plot shows a histogram of all numeric features and their correlation value with the target variable.

Correlations between Numeric Features

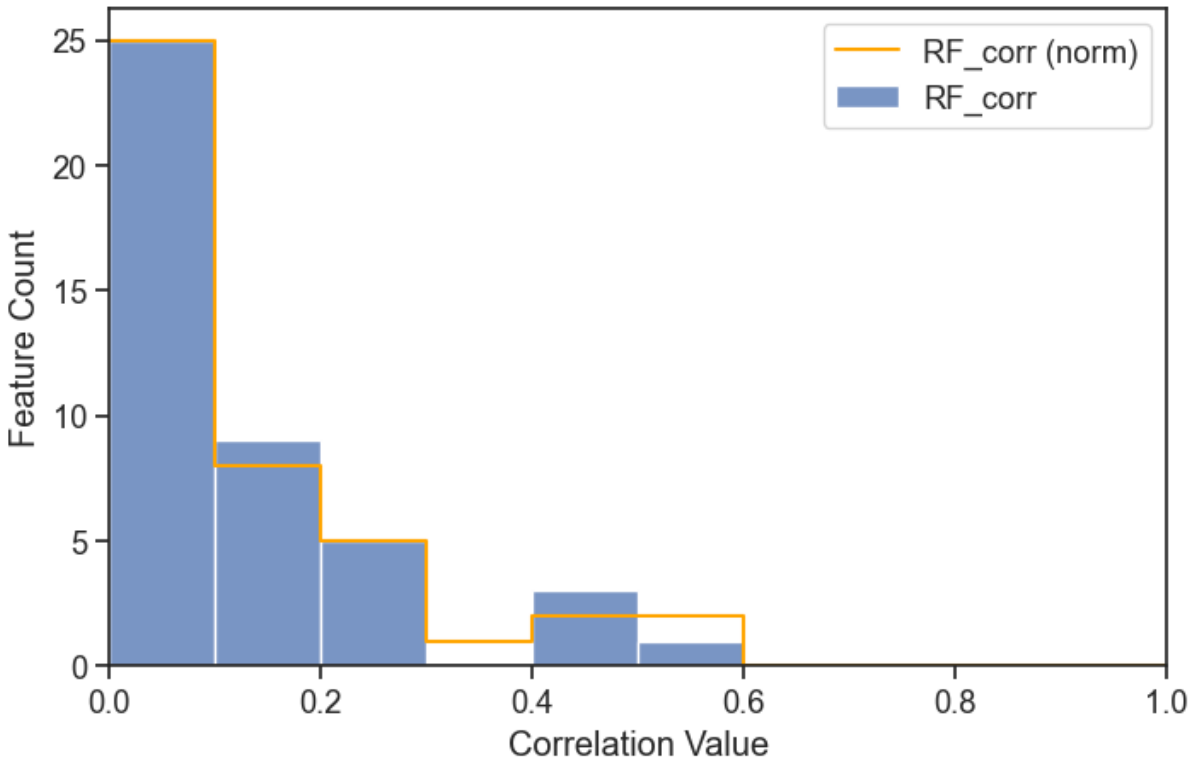
Numeric Feature	Avg Pearson Correlation	Avg RF Correlation	Feat with Max Pear Corr	Max Pear Corr	Feat with Max RF Corr	Max RF Corr
GarageArea	0.24	0.14	GarageCars	0.88	GarageCars	0.83
GarageCars	0.25	0.13	GarageArea	0.88	GarageArea	0.83
YearBuilt	0.22	0.16	GarageYrBlt	0.83	GarageYrBlt	0.73
GarageYrBlt	0.21	0.14	YearBuilt	0.83	YearBuilt	0.73
TotRmsAbvGrd	0.23	0.11	GrLivArea	0.83	GrLivArea	0.69
GrLivArea	0.28	0.16	TotRmsAbvGrd	0.83	TotRmsAbvGrd	0.69
TotalBsmtSF	0.25	0.13	1stFlrSF	0.82	1stFlrSF	0.68
1stFlrSF	0.25	0.13	TotalBsmtSF	0.82	TotalBsmtSF	0.68



The above plot shows a histogram of all unique pairs of numeric features and the correlation between the two features of each the pair.

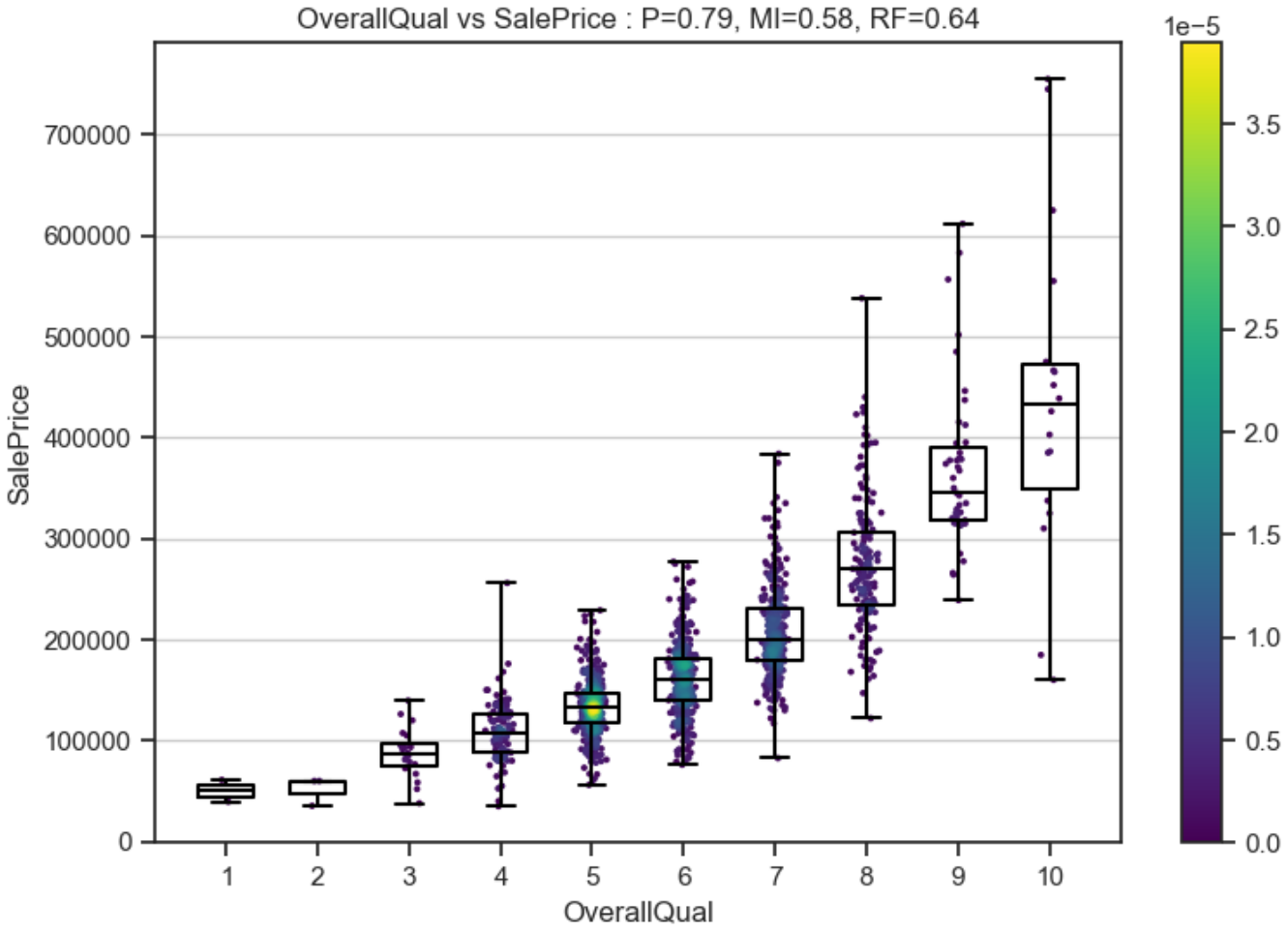
Correlations of Non-Numeric Features with Target Variable

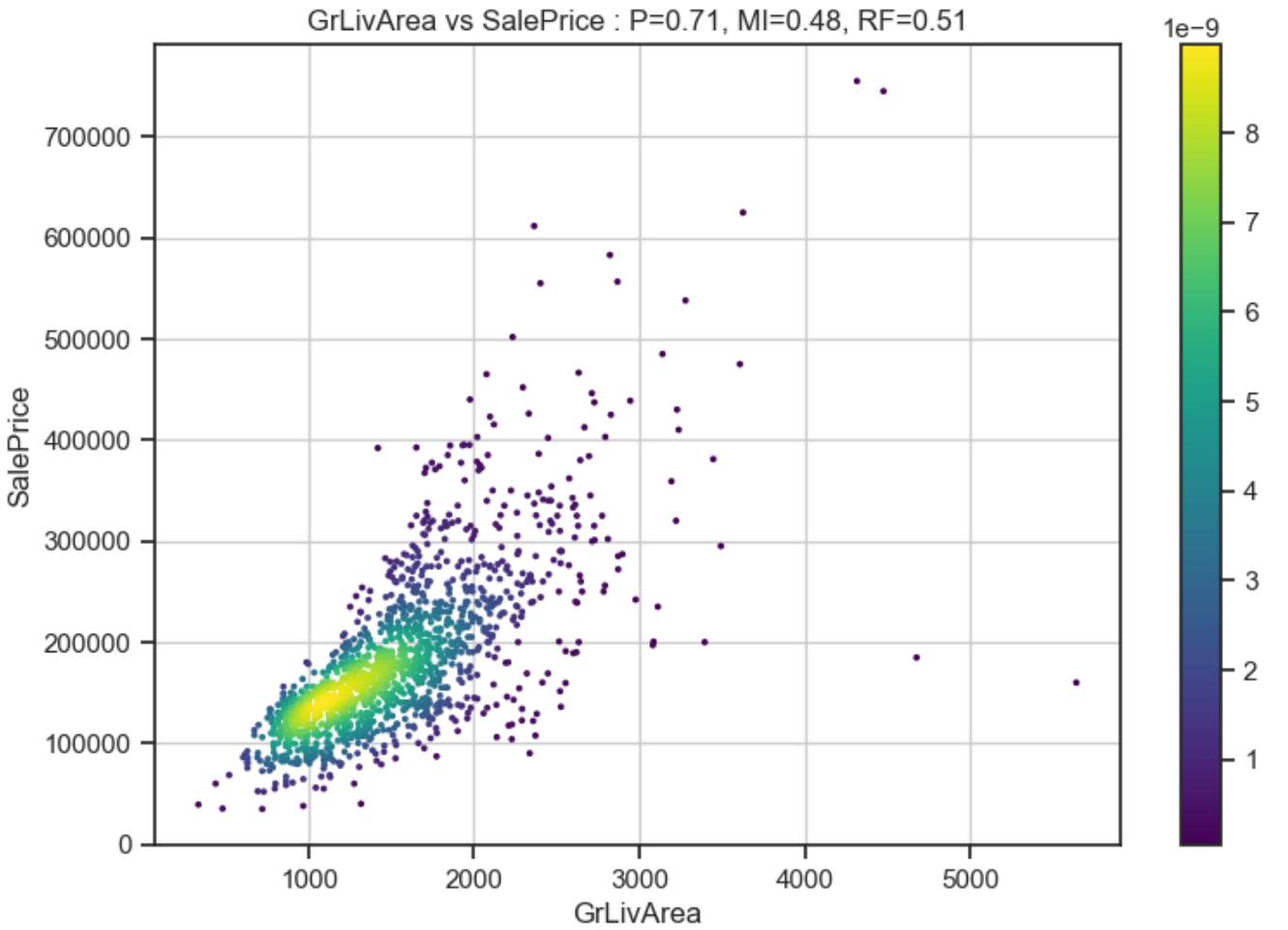
Non-Numeric Feature	Count non-Null	Num Unique	Mutual Info	RF Corr	RF Corr (norm)
Neighborhood	1460	25	0.53	0.55	0.55
ExterQual	1460	4	0.32	0.48	0.51
KitchenQual	1460	4	0.33	0.46	0.49
BsmtQual	1423	4	0.32	0.45	0.48
Alley	91	2	0.28	0.29	0.38
GarageFinish	1379	3	0.23	0.27	0.3
Foundation	1460	6	0.2	0.26	0.26
GarageType	1379	6	0.17	0.21	0.21

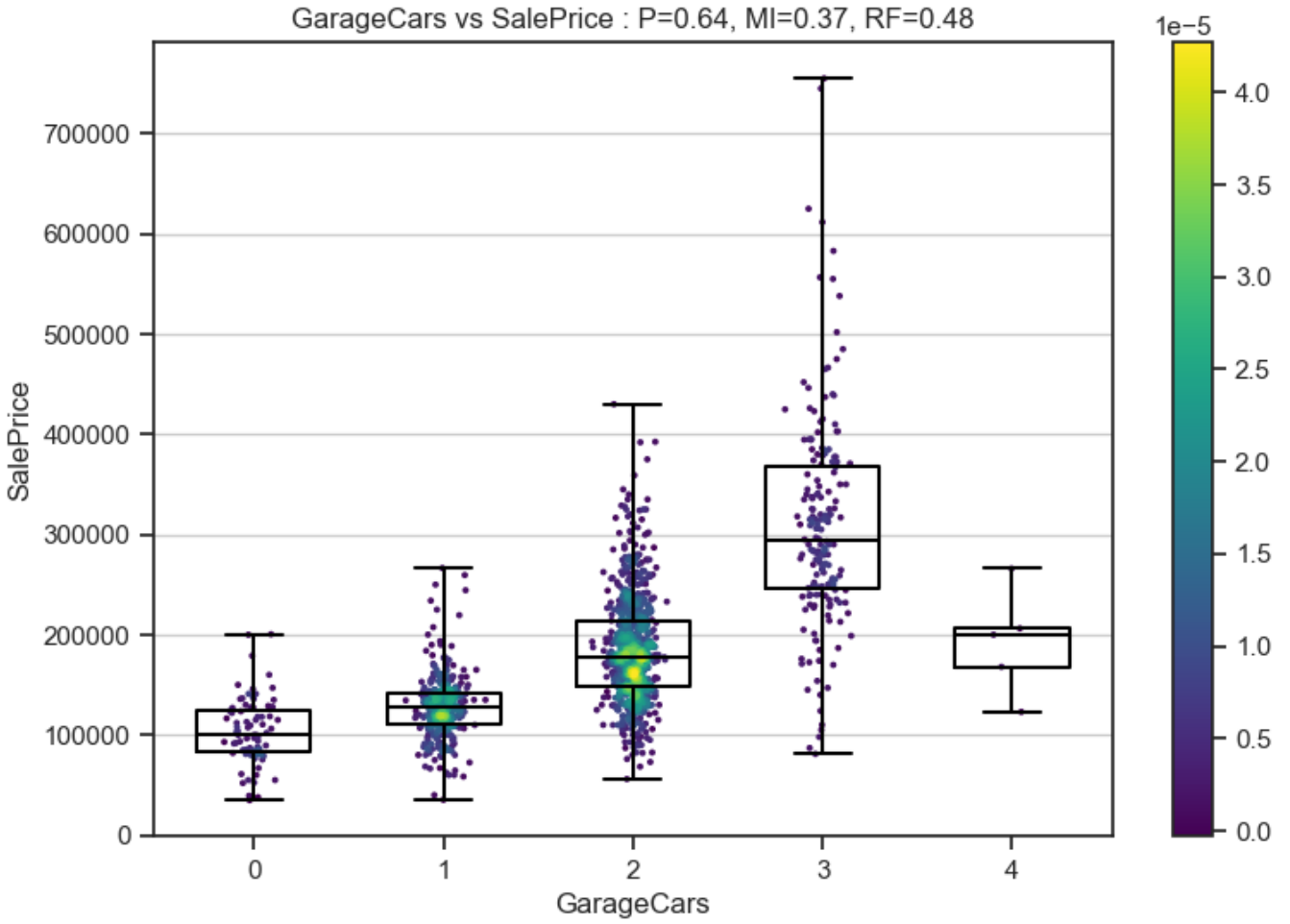


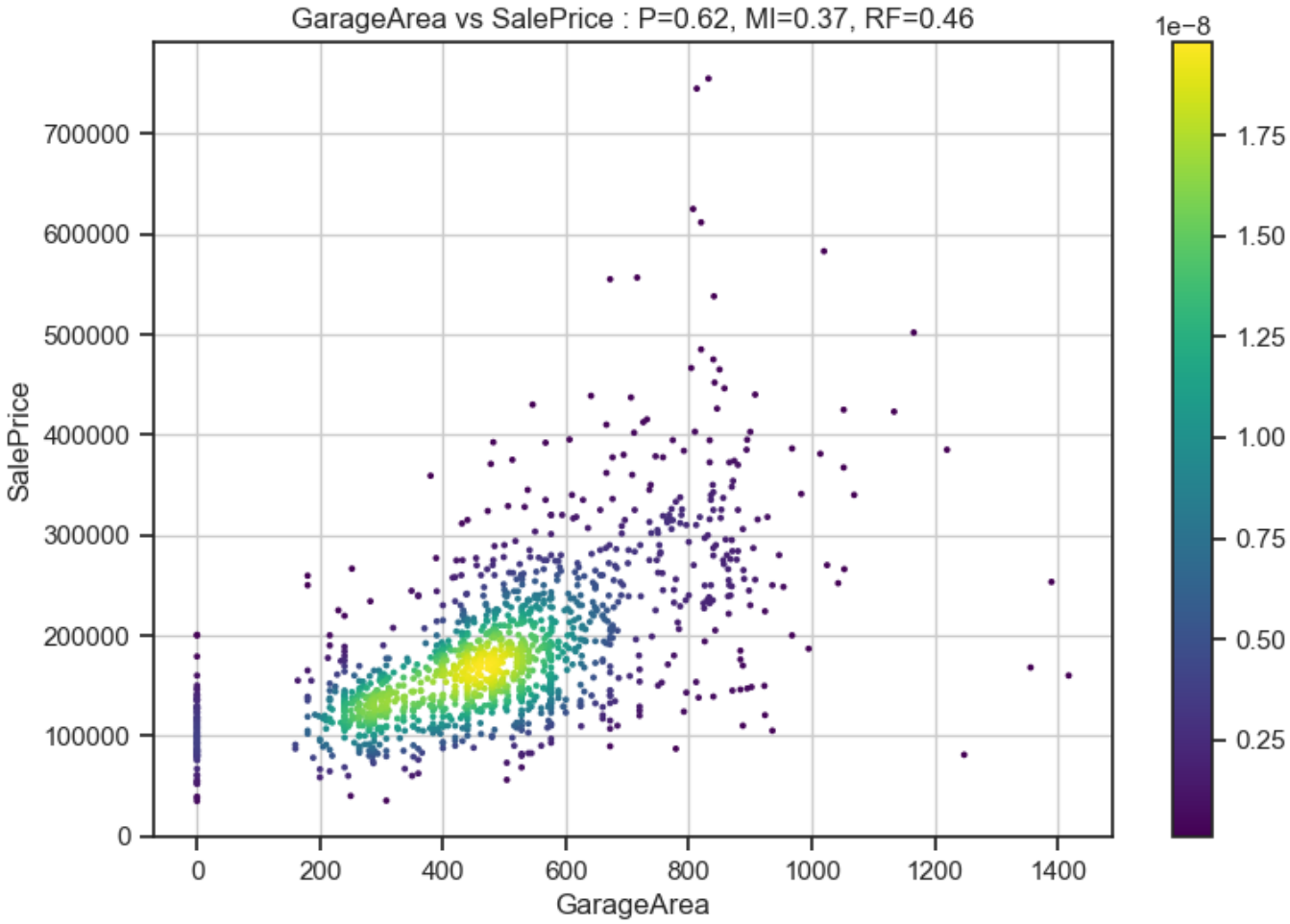
The above plot shows a histogram of all non-numeric features and their correlation value with the target variable.

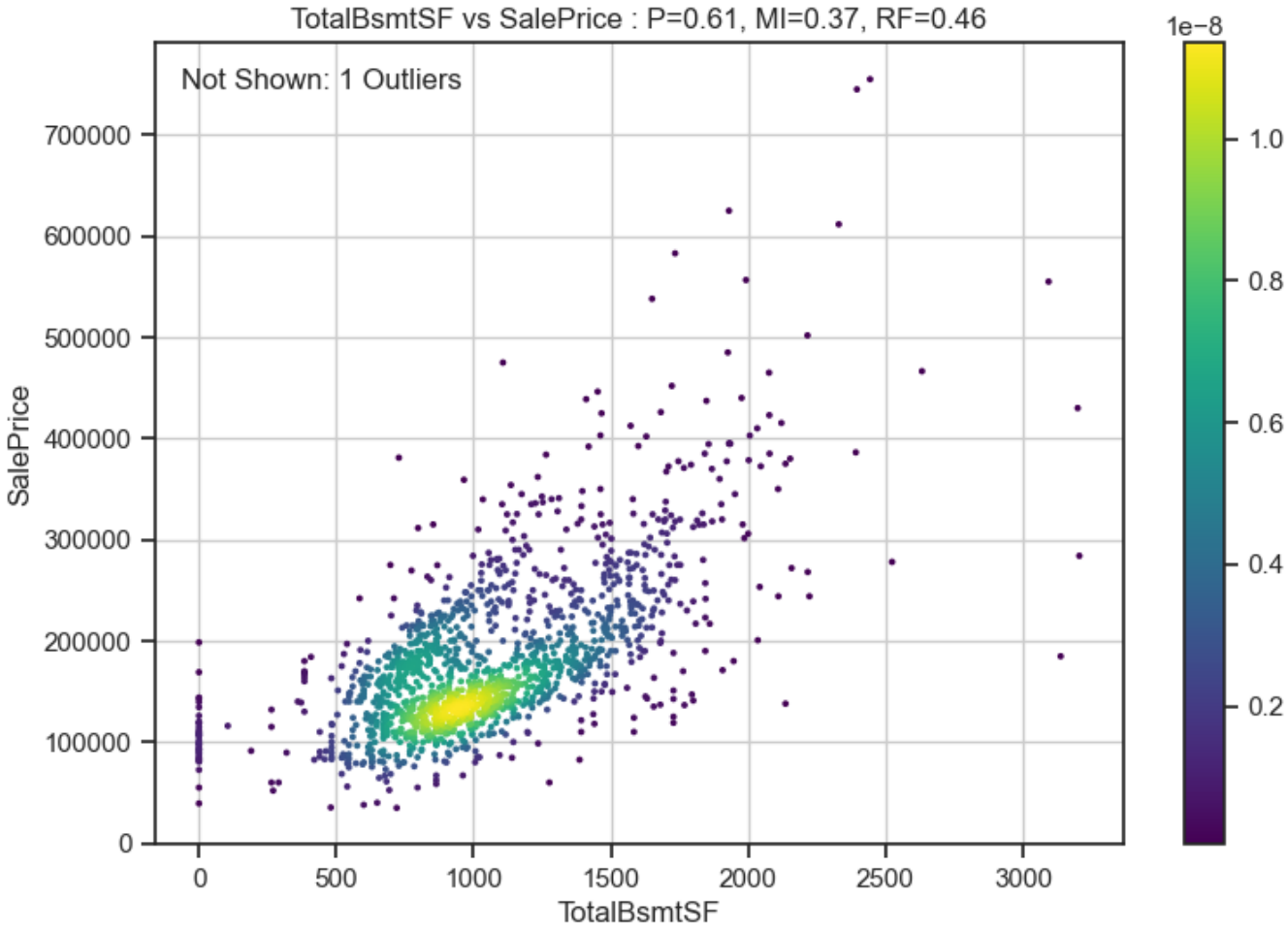
Plots of Numeric Columns versus the Target Variable

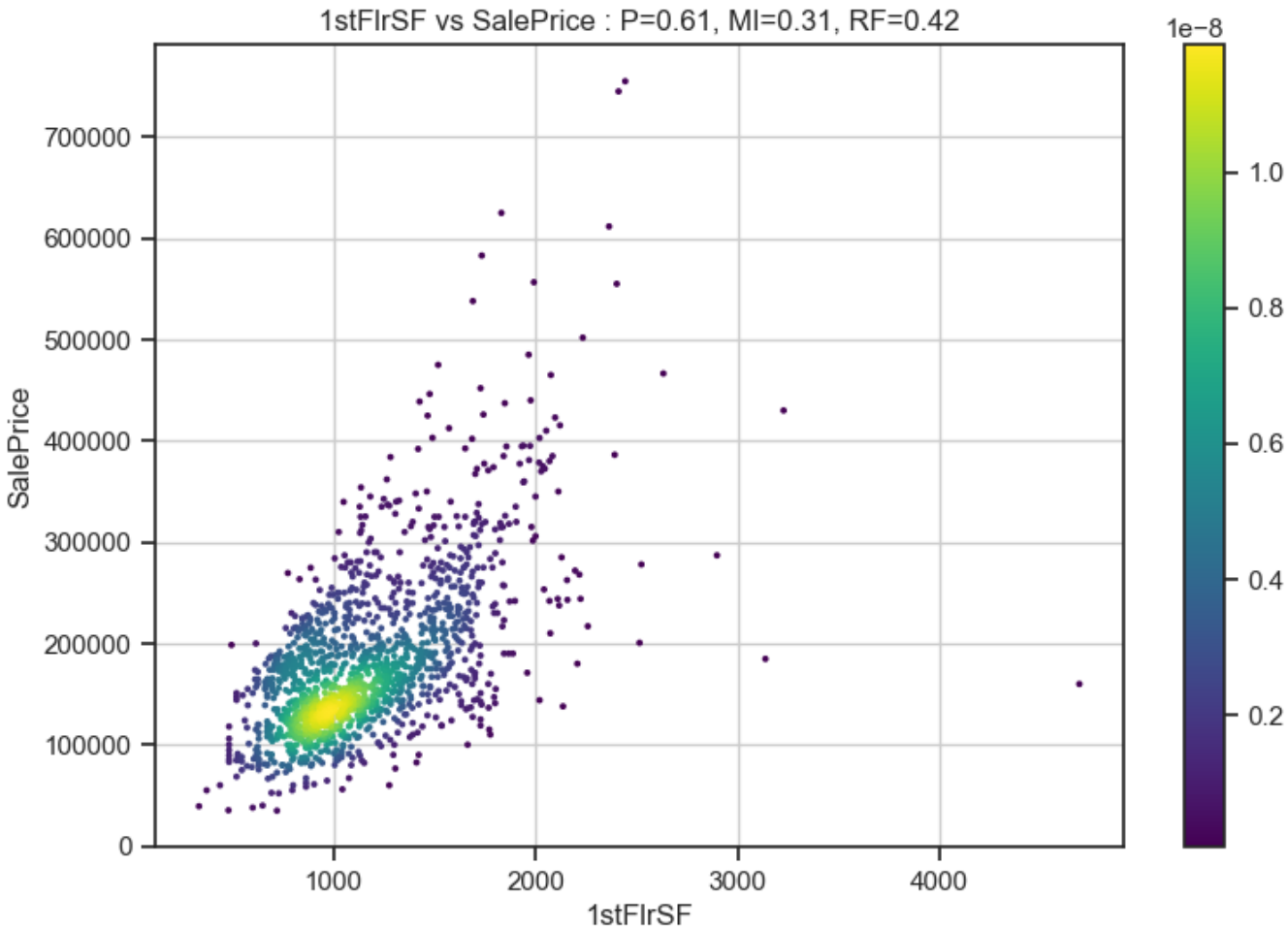

OverallQual vs SalePrice : P=0.79, MI=0.58, RF=0.64
SalePrice
OverallQual
1e−5
0
100000
200000
300000
400000
500000
600000
700000
1
2
3
4
5
6
7
8
9
10
0.0
0.5
1.0
1.5
2.0
2.5
3.0
3.5

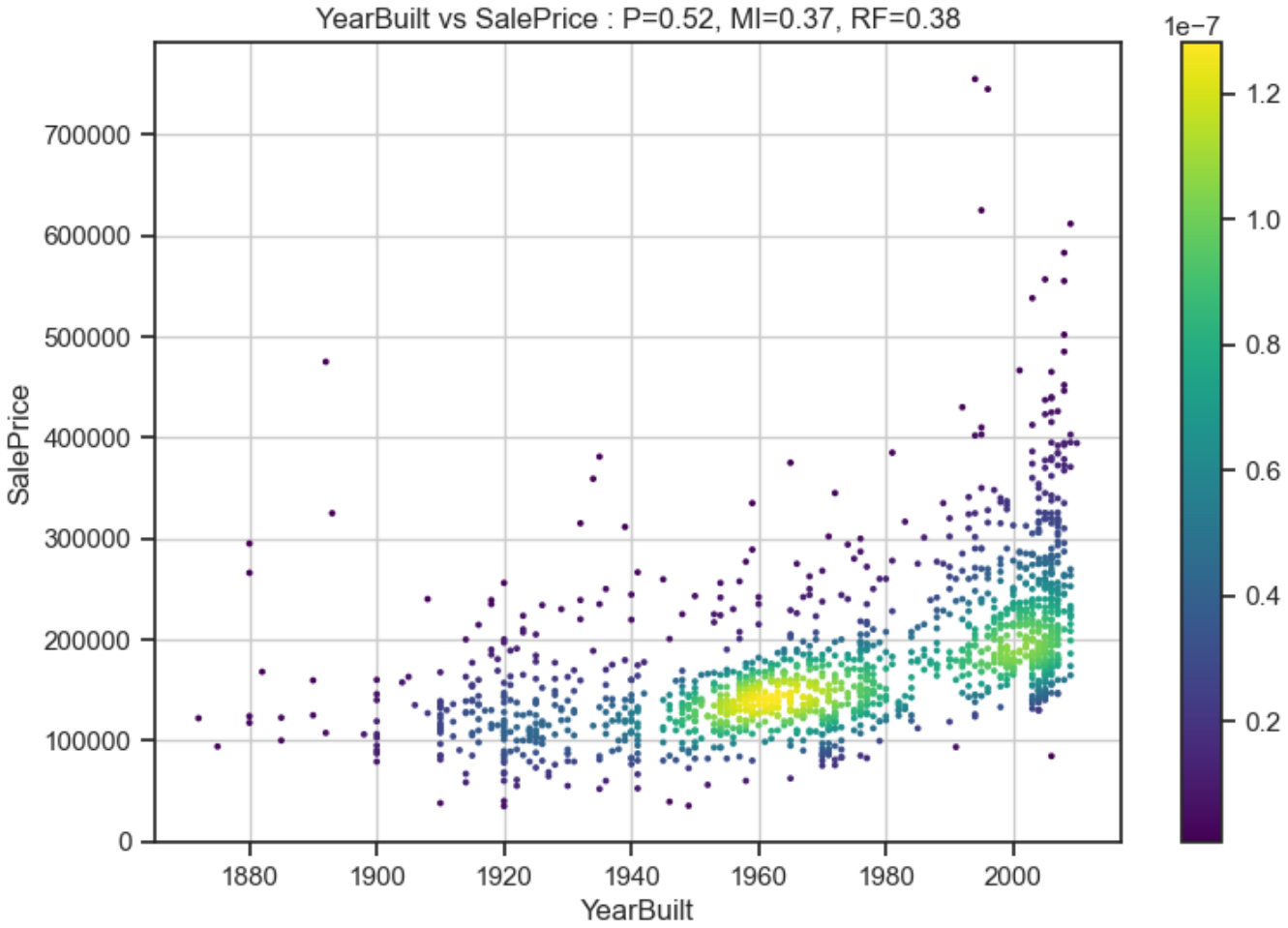

GrLivArea vs SalePrice : P=0.71, MI=0.48, RF=0.51
SalePrice
GrLivArea
1e−9
0
100000
200000
300000
400000
500000
600000
700000
1000
2000
3000
4000
5000
1
2
3
4
5
6
7
8

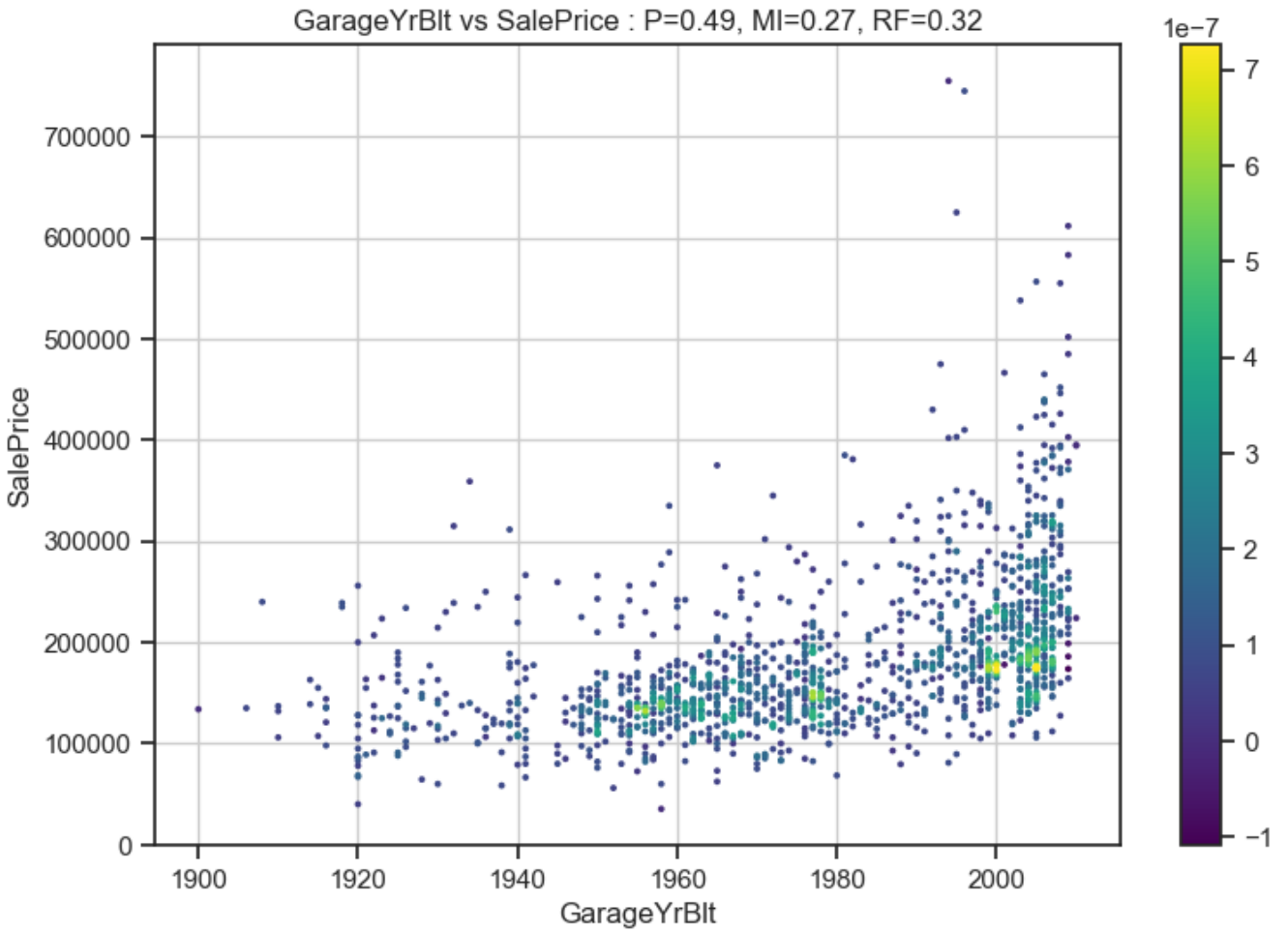

GarageCars vs SalePrice : P=0.64, MI=0.37, RF=0.48
SalePrice
GarageCars
1e−5
0
100000
200000
300000
400000
500000
600000
700000
0
1
2
3
4
0.0
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0

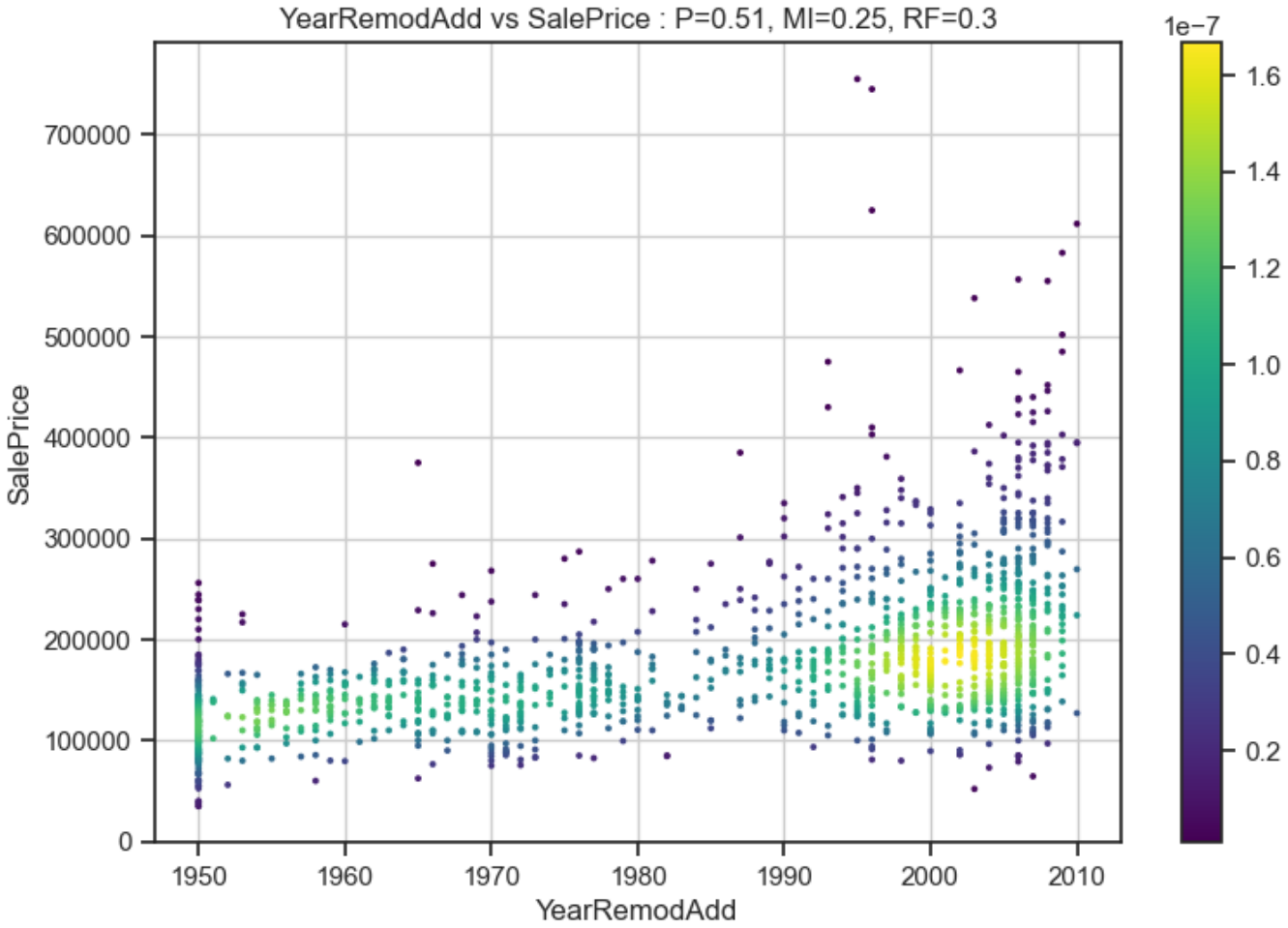

GarageArea vs SalePrice : P=0.62, MI=0.37, RF=0.46
SalePrice
GarageArea
1e−8
0
100000
200000
300000
400000
500000
600000
700000
0
200
400
600
800
1000
1200
1400
0.25
0.50
0.75
1.00
1.25
1.50
1.75

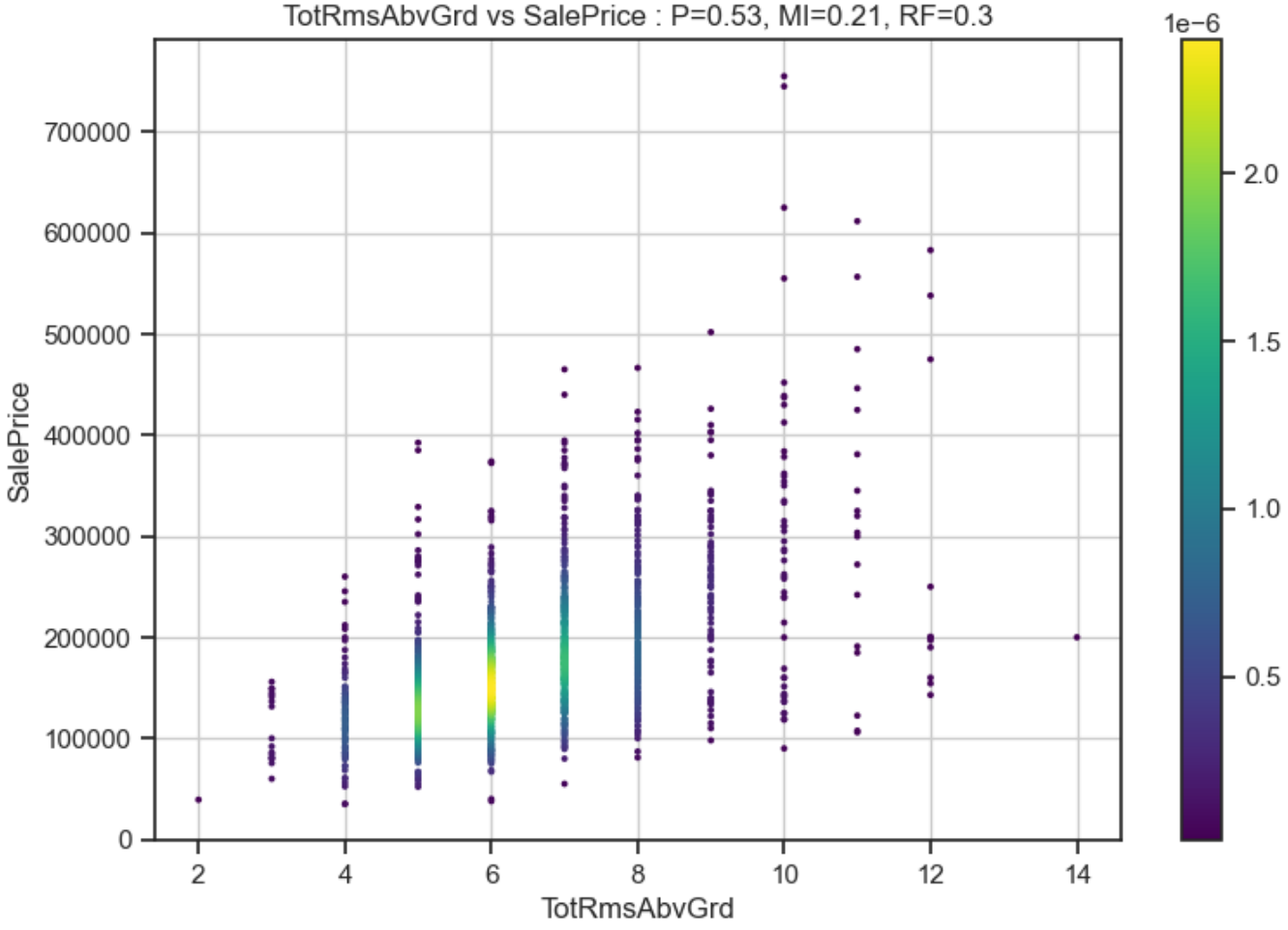

TotalBsmtSF vs SalePrice : P=0.61, MI=0.37, RF=0.46
Not Shown: 1 Outliers
SalePrice
TotalBsmtSF
1e−8

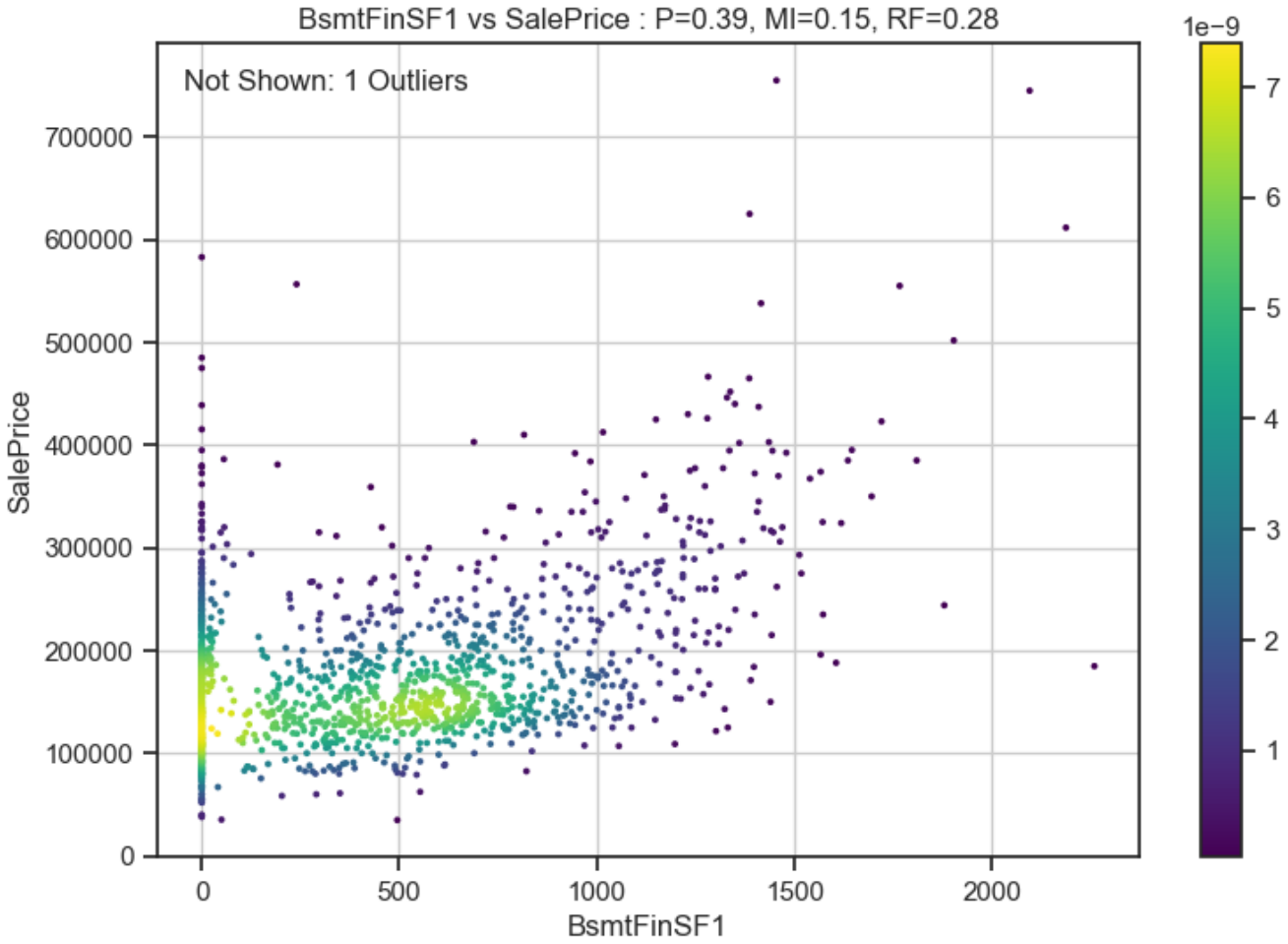

1stFlrSF vs SalePrice : P=0.61, MI=0.31, RF=0.42
SalePrice
1stFlrSF
1e−8

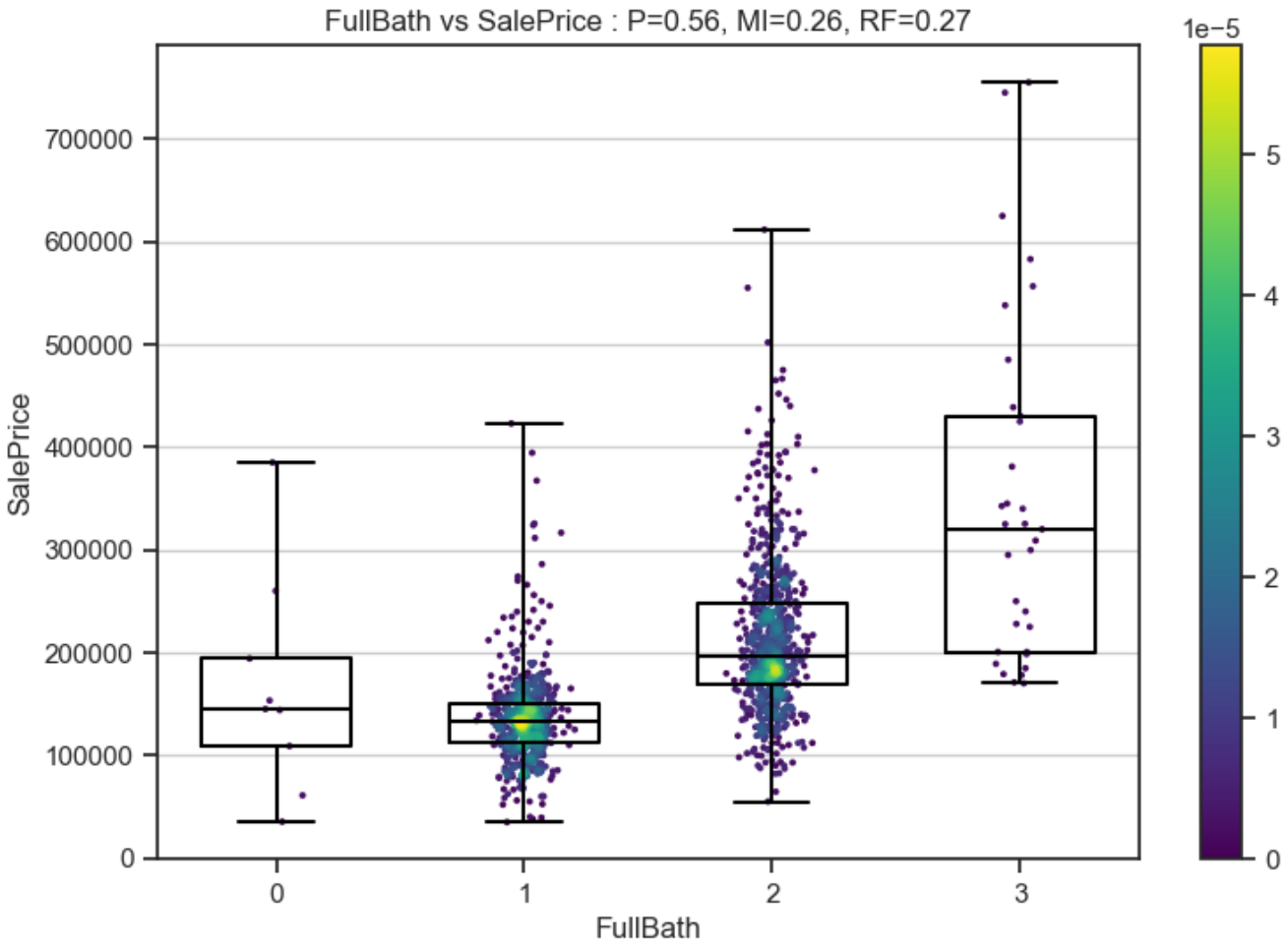

YearBuilt vs SalePrice : P=0.52, MI=0.37, RF=0.38
SalePrice
YearBuilt
1e−7
1.2
1.0
0.8
0.6
0.4
0.2
0
100000
200000
300000
400000
500000
600000
700000
1880
1900
1920
1940
1960
1980
2000

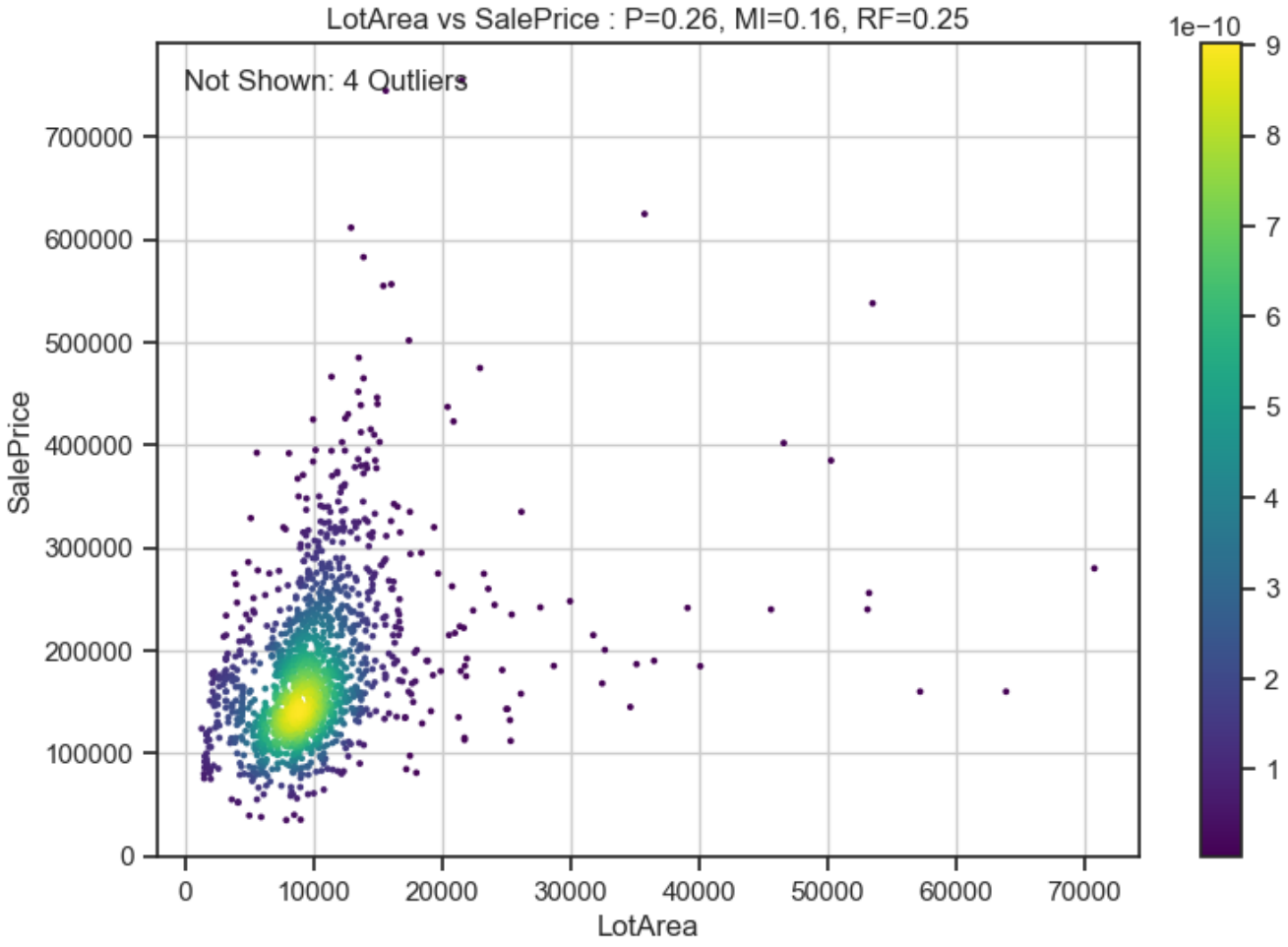

GarageYrBlt vs SalePrice : P=0.49, MI=0.27, RF=0.32
SalePrice
GarageYrBlt
1e−7
7
6
5
4
3
2
1
0
−1
0
100000
200000
300000
400000
500000
600000
700000
1900
1920
1940
1960
1980
2000

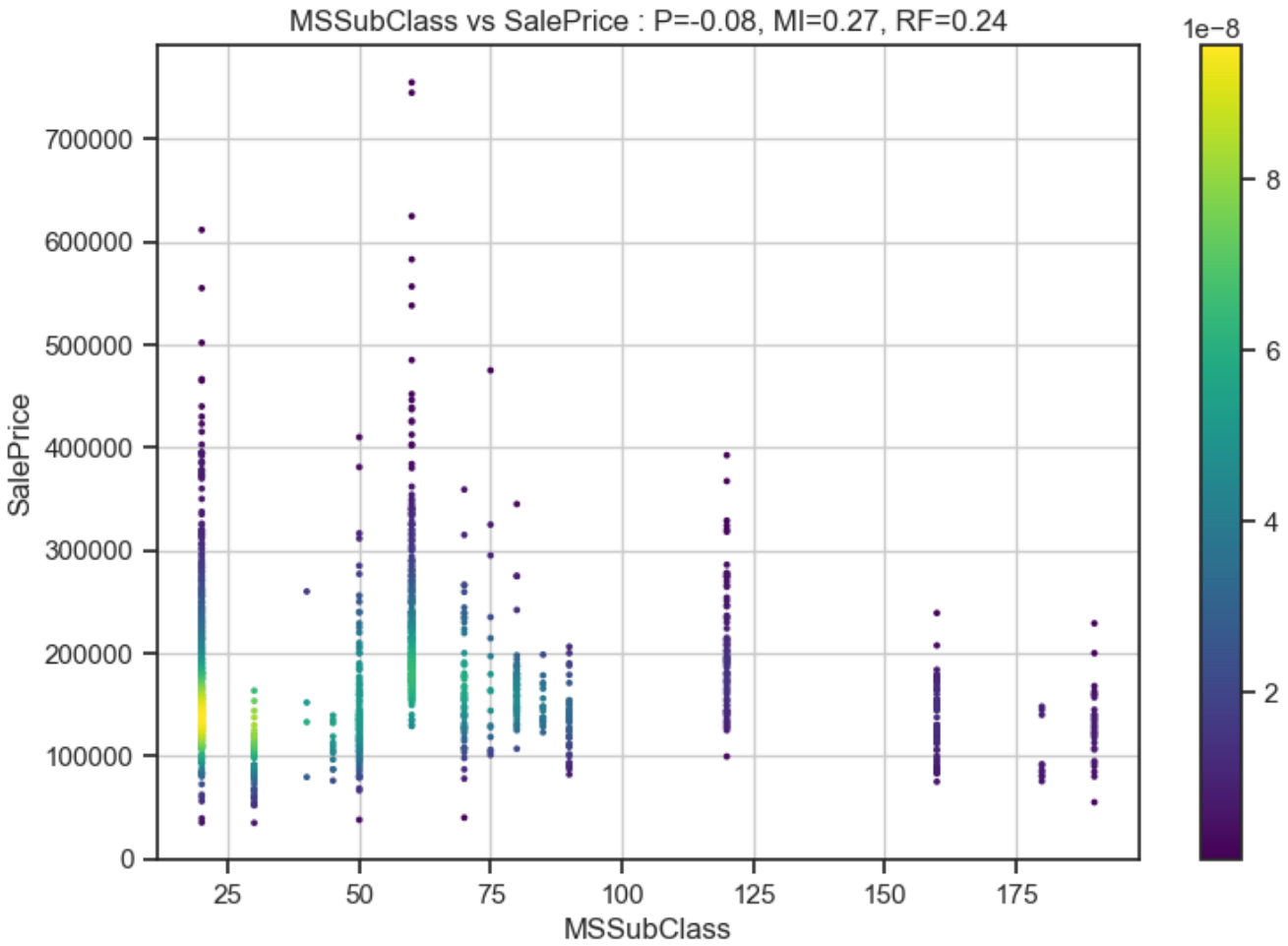

YearRemodAdd vs SalePrice : P=0.51, MI=0.25, RF=0.3
SalePrice
YearRemodAdd
1e−7
0
100000
200000
300000
400000
500000
600000
700000
1950
1960
1970
1980
1990
2000
2010
0.2
0.4
0.6
0.8
1.0
1.2
1.4
1.6

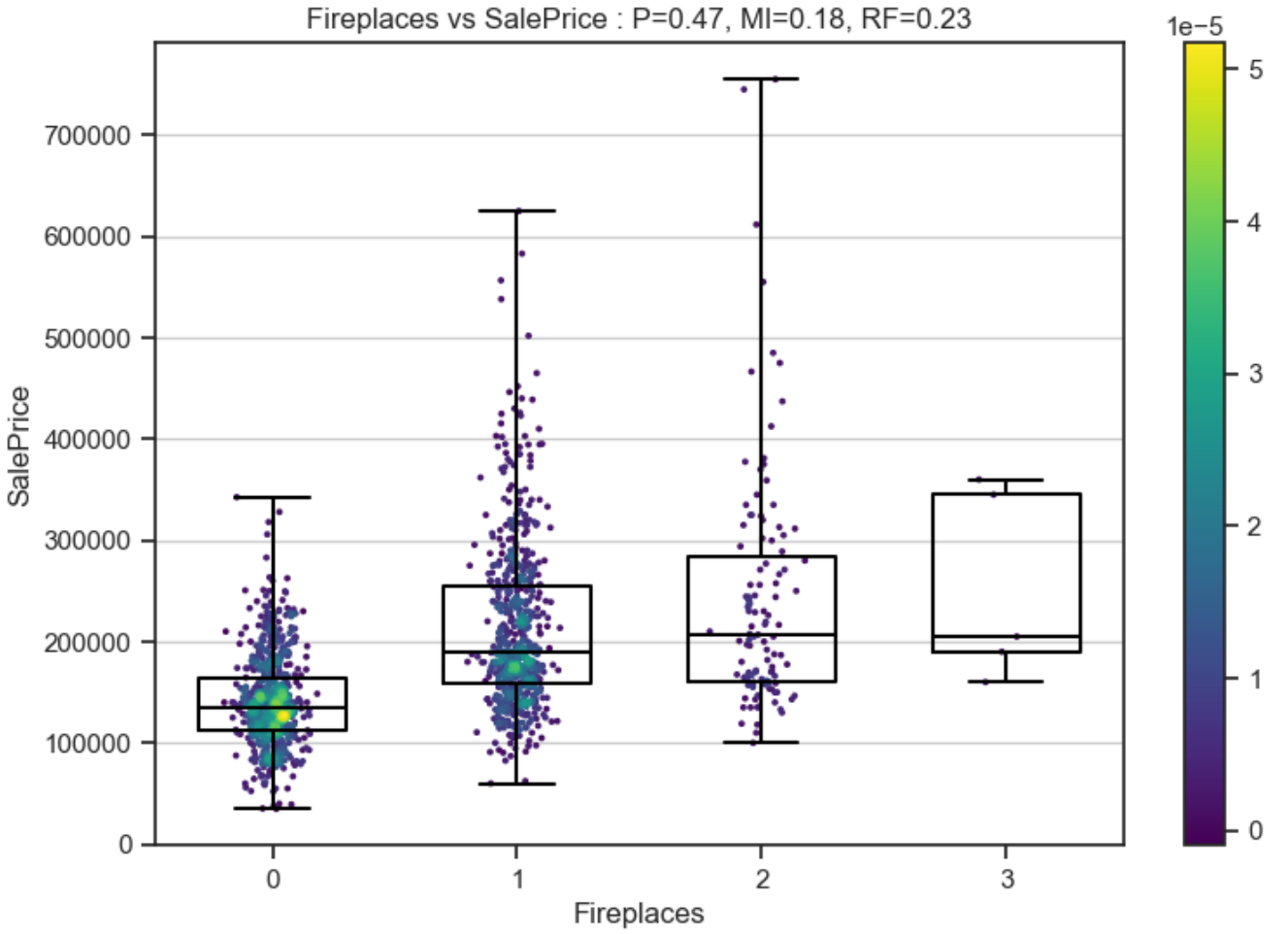

TotRmsAbvGrd vs SalePrice : P=0.53, MI=0.21, RF=0.3
SalePrice
TotRmsAbvGrd
1e−6
0
100000
200000
300000
400000
500000
600000
700000
2
4
6
8
10
12
14
0.5
1.0
1.5
2.0

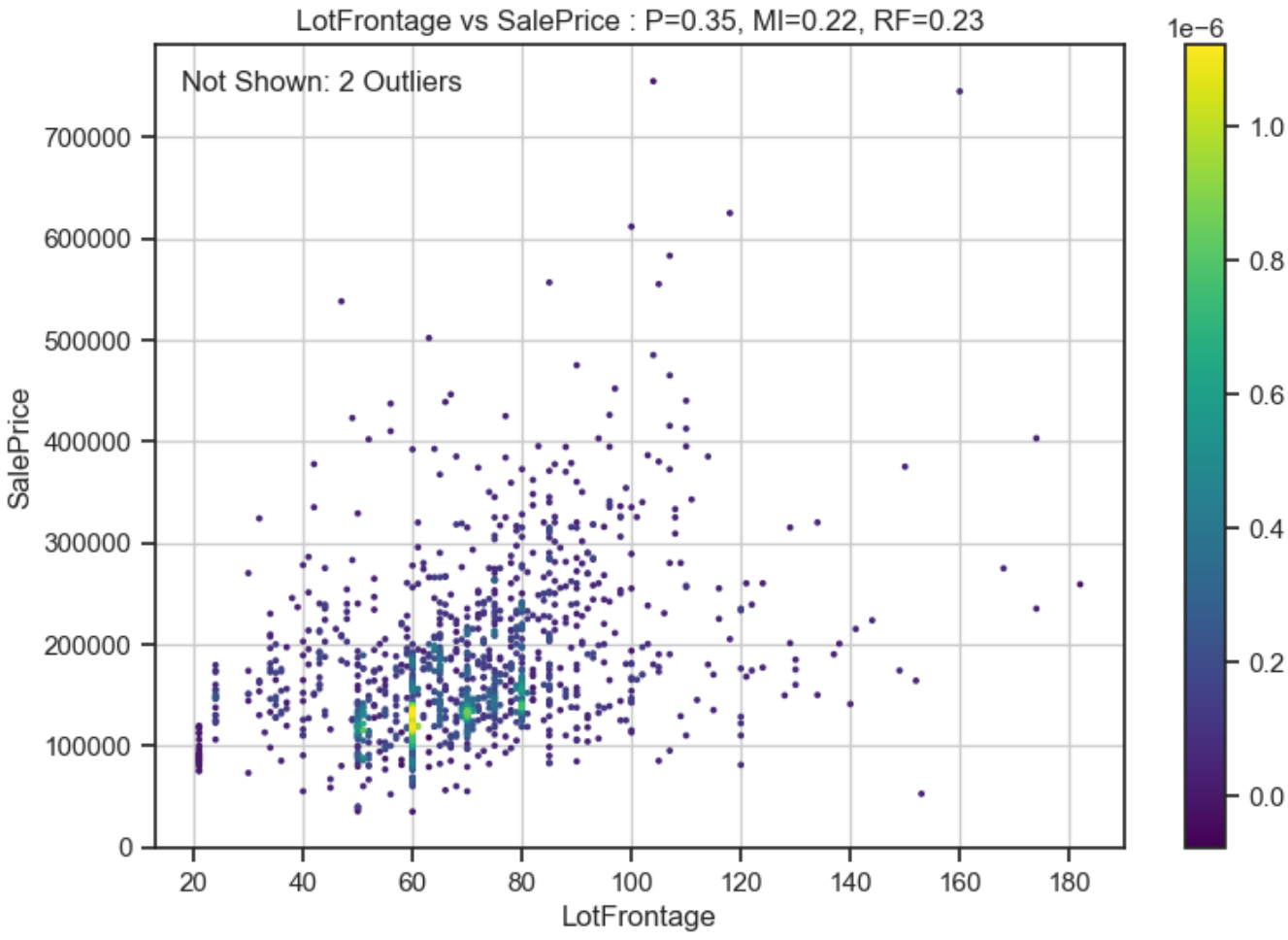

BsmtFinSF1 vs SalePrice : P=0.39, MI=0.15, RF=0.28
Not Shown: 1 Outliers
SalePrice
BsmtFinSF1
1e−9

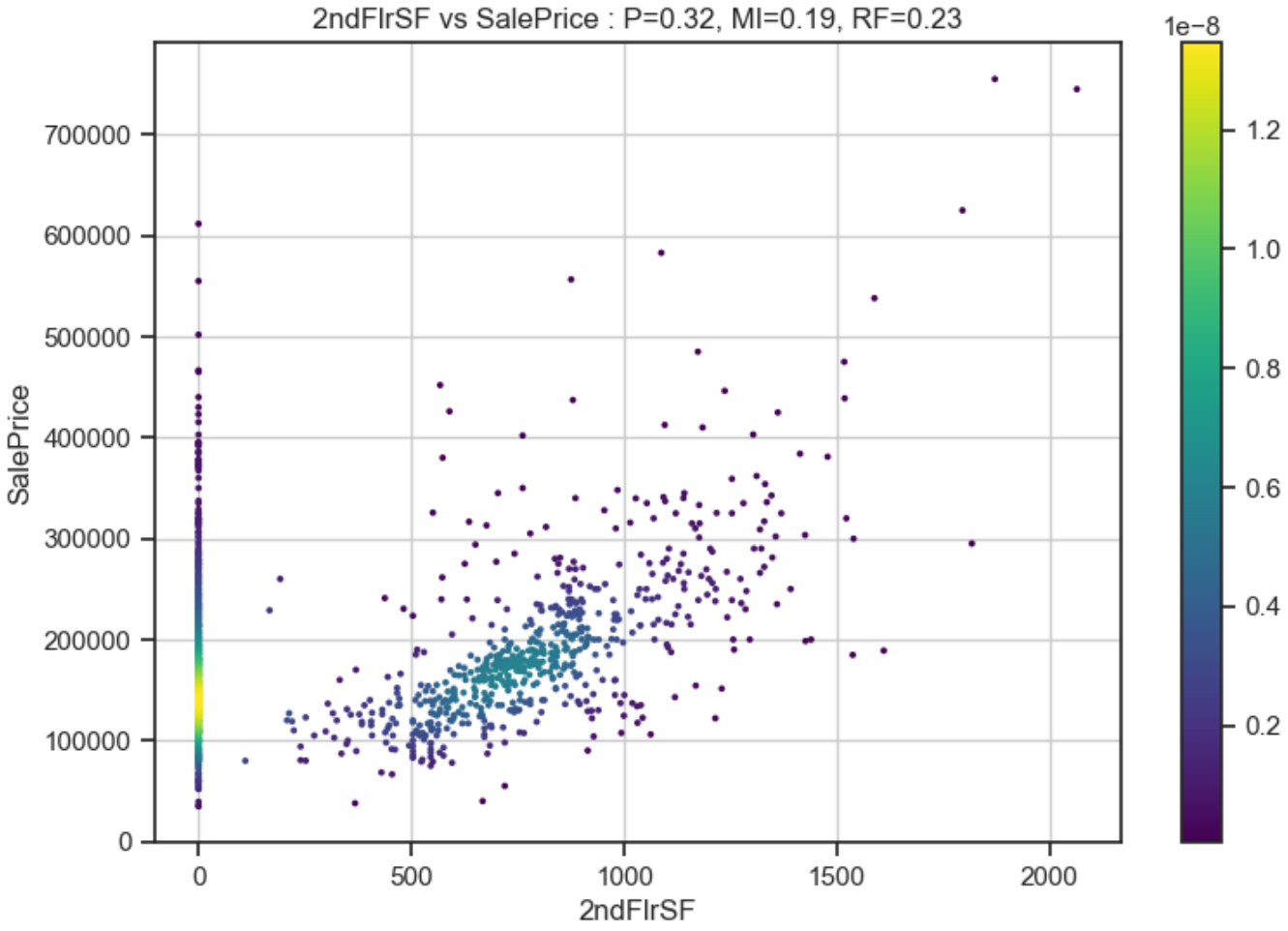

FullBath vs SalePrice : P=0.56, MI=0.26, RF=0.27
SalePrice
FullBath
1e−5

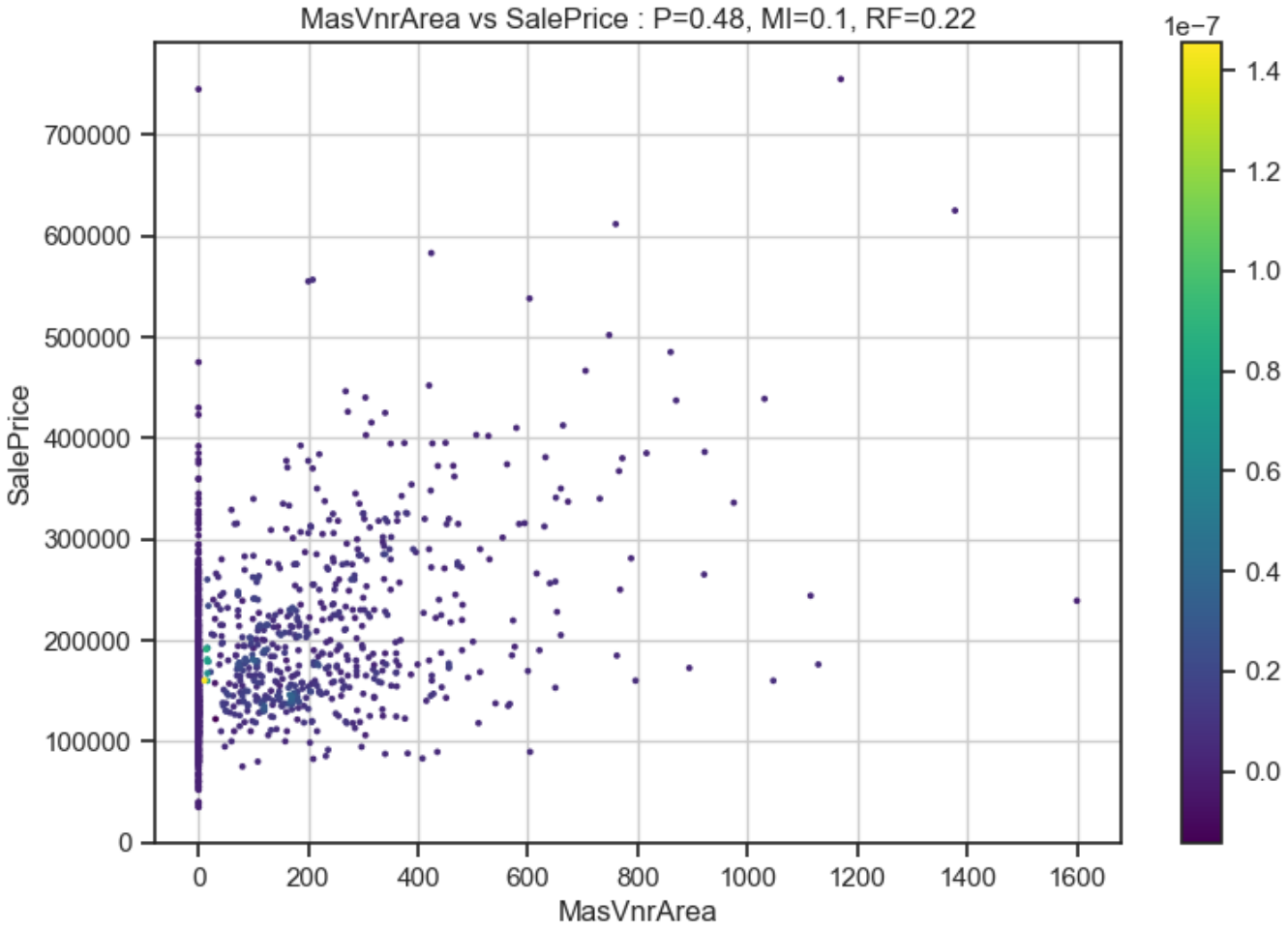

LotArea vs SalePrice : P=0.26, MI=0.16, RF=0.25
Not Shown: 4 Qutliers
SalePrice
LotArea
1e−10

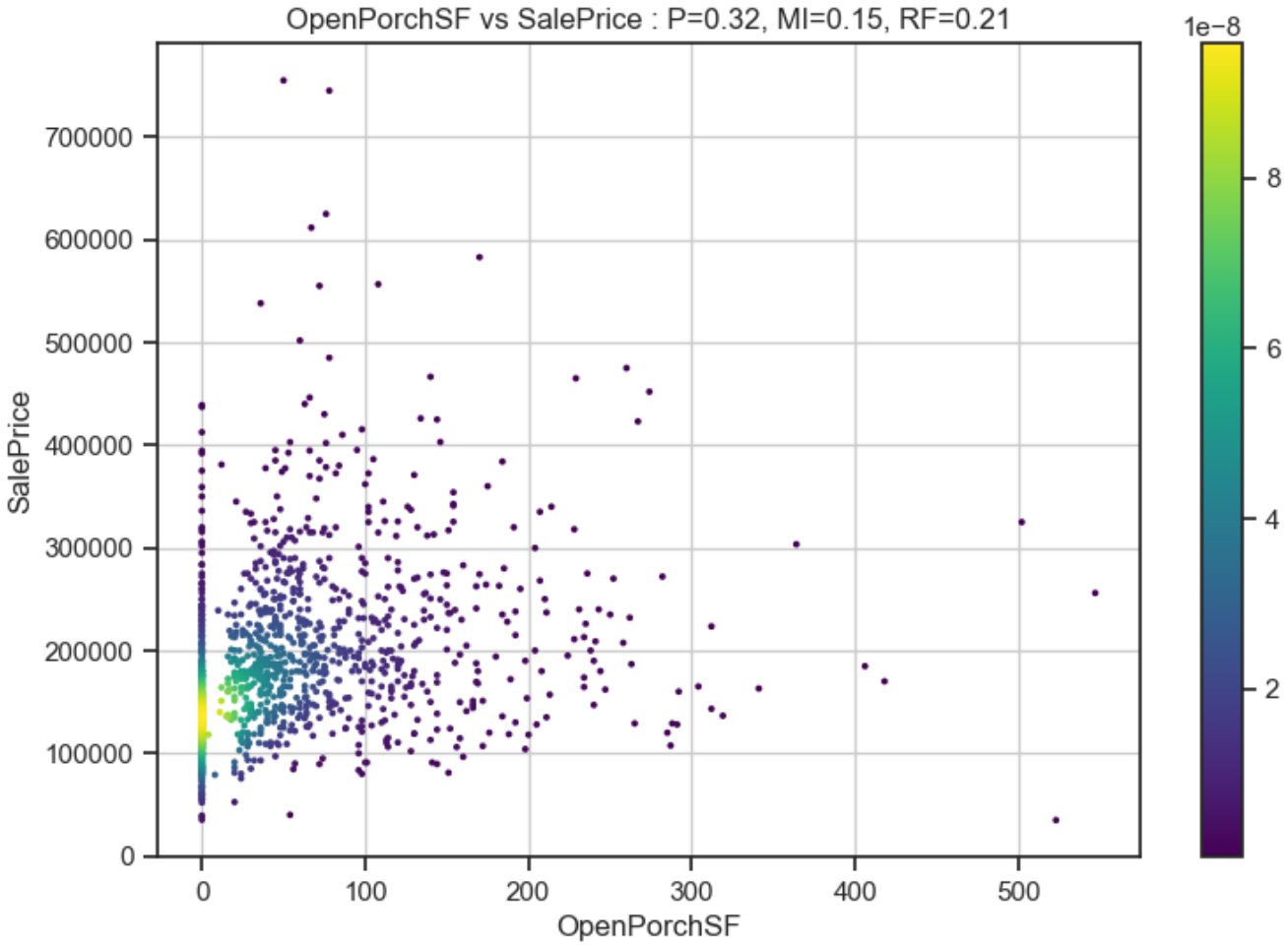

MSSubClass vs SalePrice : P=-0.08, MI=0.27, RF=0.24
SalePrice
MSSubClass
1e−8

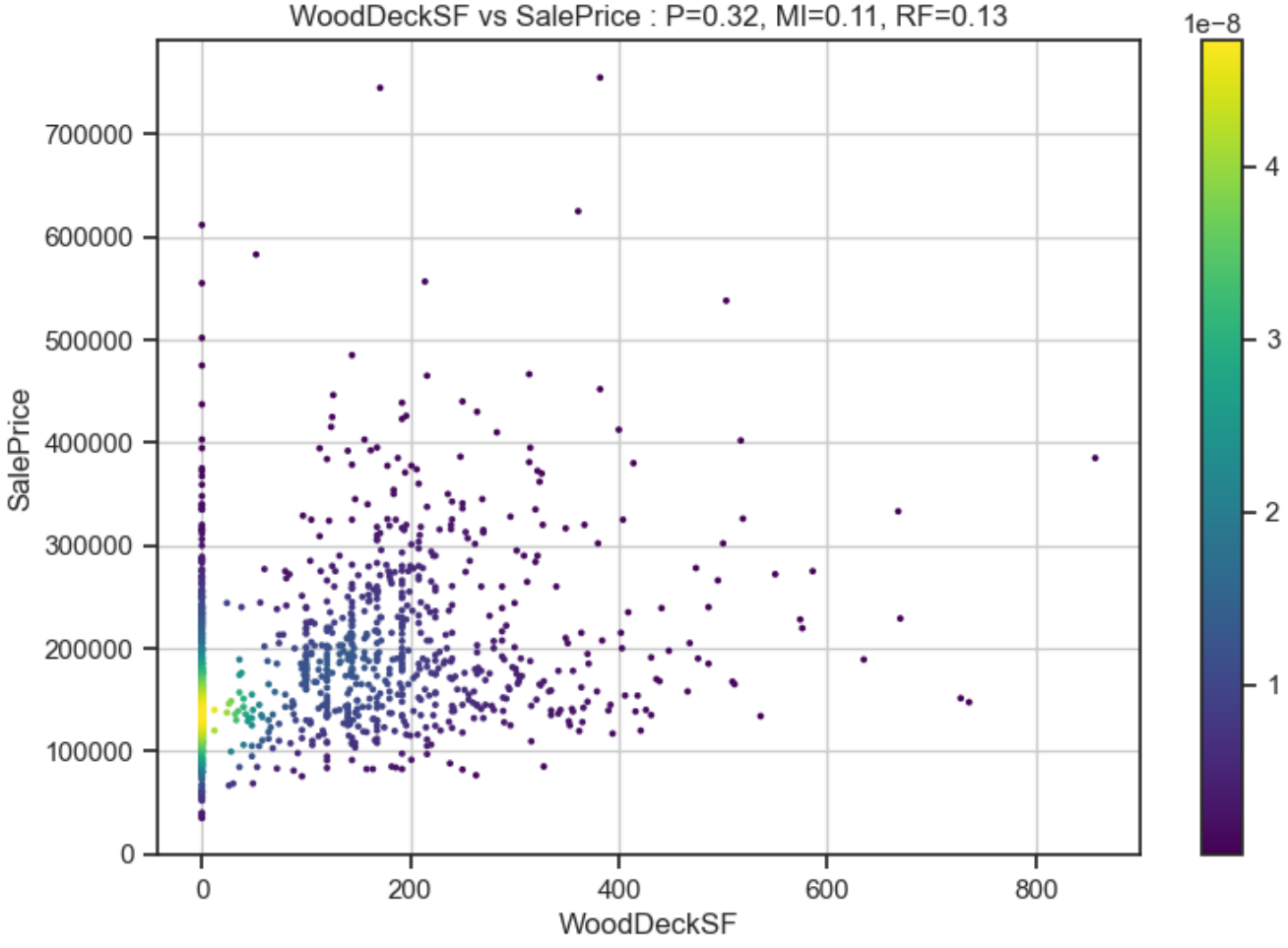

Fireplaces vs SalePrice : P=0.47, MI=0.18, RF=0.23
SalePrice
Fireplaces
1e−5

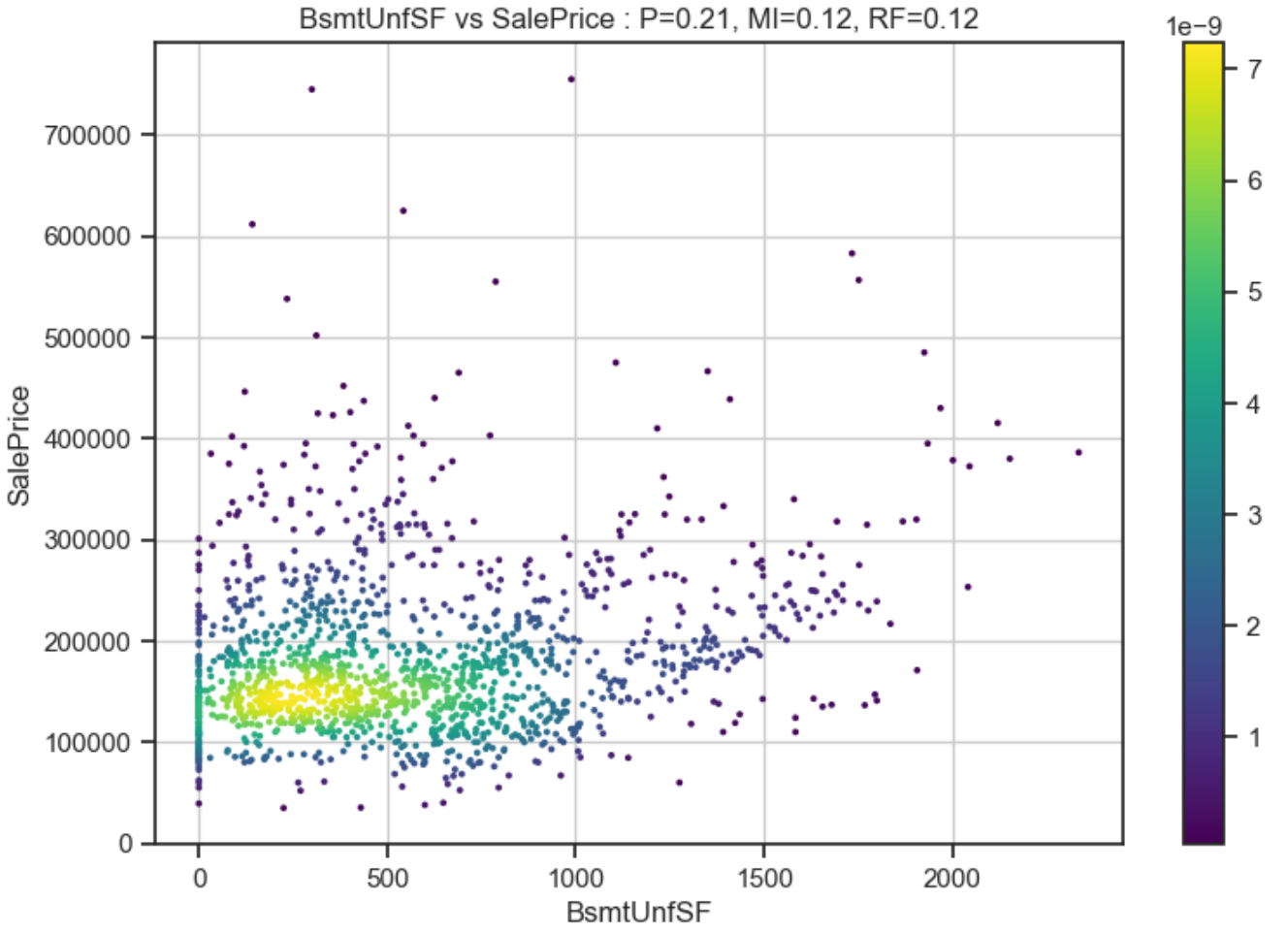

LotFrontage vs SalePrice : P=0.35, MI=0.22, RF=0.23
Not Shown: 2 Outliers
SalePrice
LotFrontage
1e−6

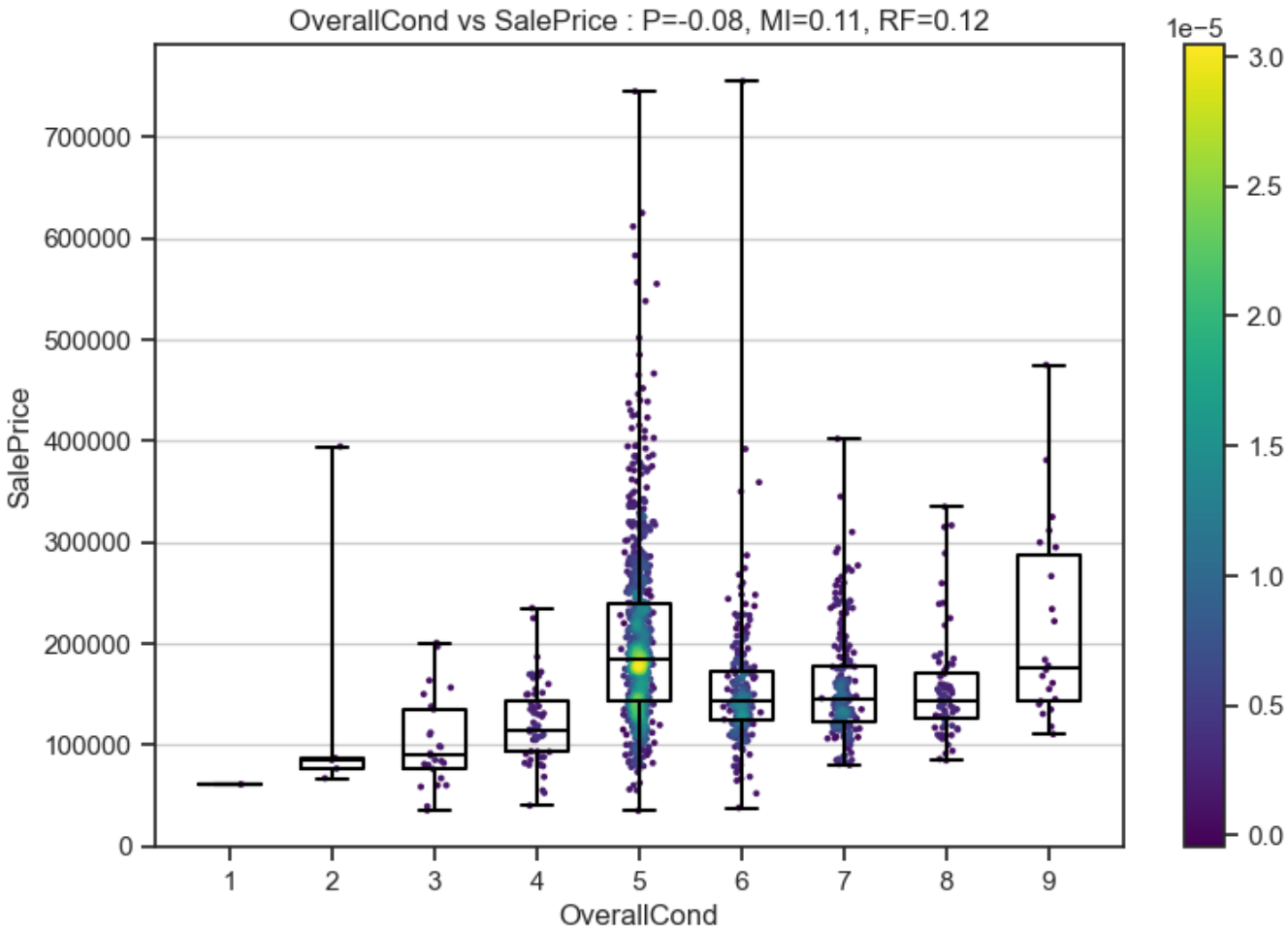

2ndFlrSF vs SalePrice : P=0.32, MI=0.19, RF=0.23
SalePrice
2ndFlrSF
1e−8
0
100000
200000
300000
400000
500000
600000
700000
0
500
1000
1500
2000
0.2
0.4
0.6
0.8
1.0
1.2

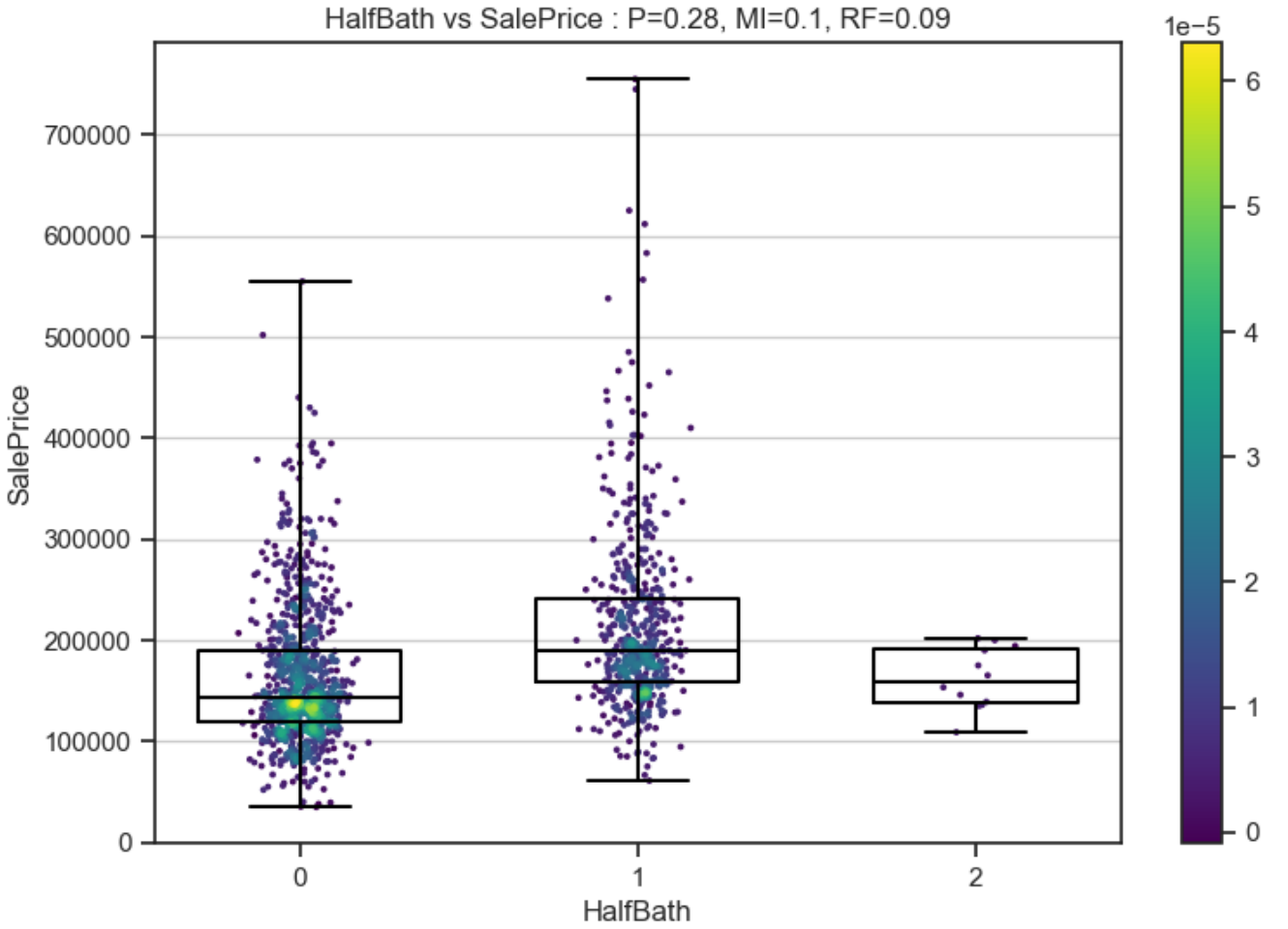

MasVnrArea vs SalePrice : P=0.48, MI=0.1, RF=0.22
SalePrice
MasVnrArea
1e−7
0
100000
200000
300000
400000
500000
600000
700000
0
200
400
600
800
1000
1200
1400
1600
0.0
0.2
0.4
0.6
0.8
1.0
1.2
1.4

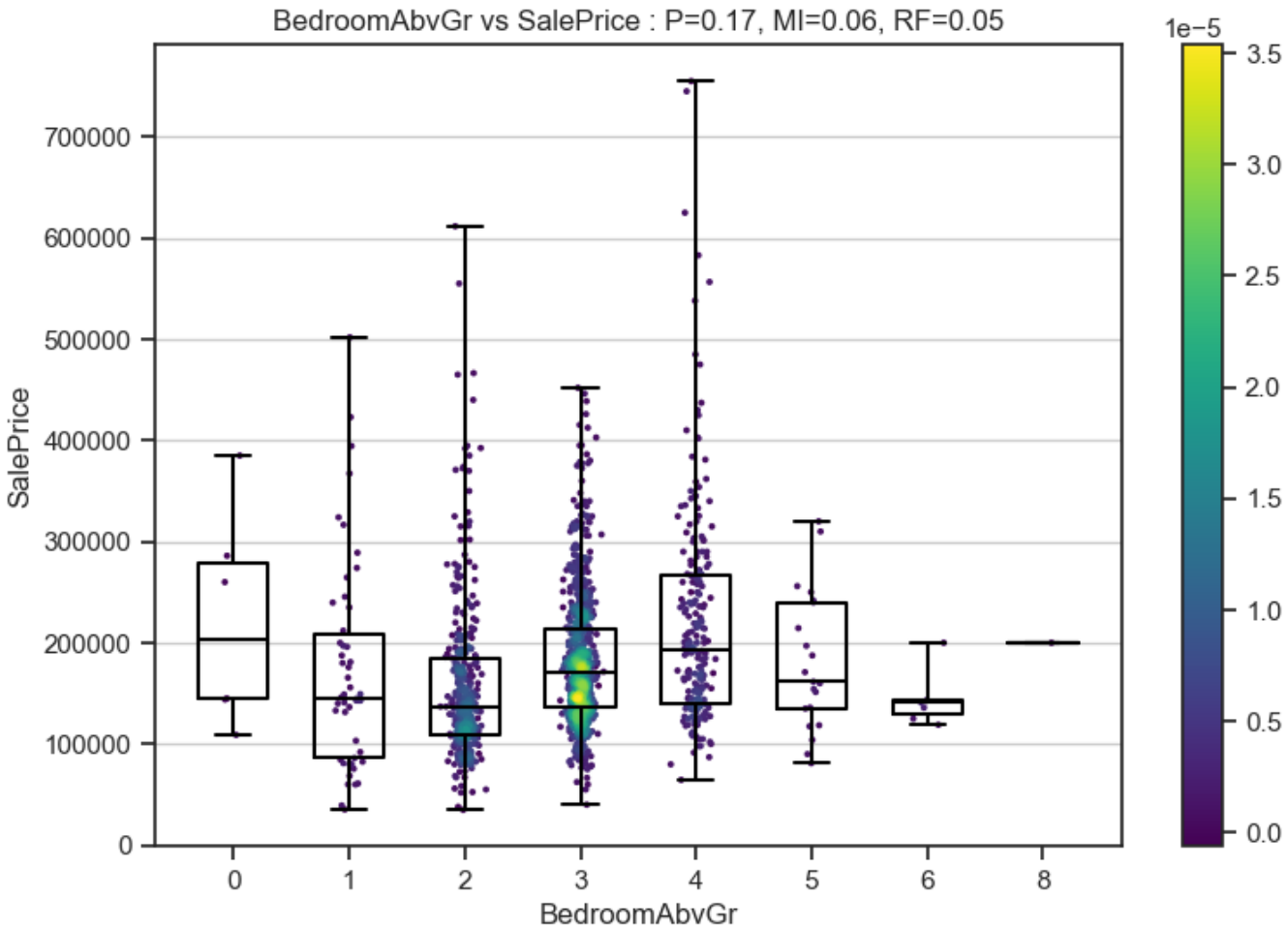

OpenPorchSF vs SalePrice : P=0.32, MI=0.15, RF=0.21
SalePrice
OpenPorchSF
1e−8
0
100000
200000
300000
400000
500000
600000
700000
0
100
200
300
400
500
2
4
6
8

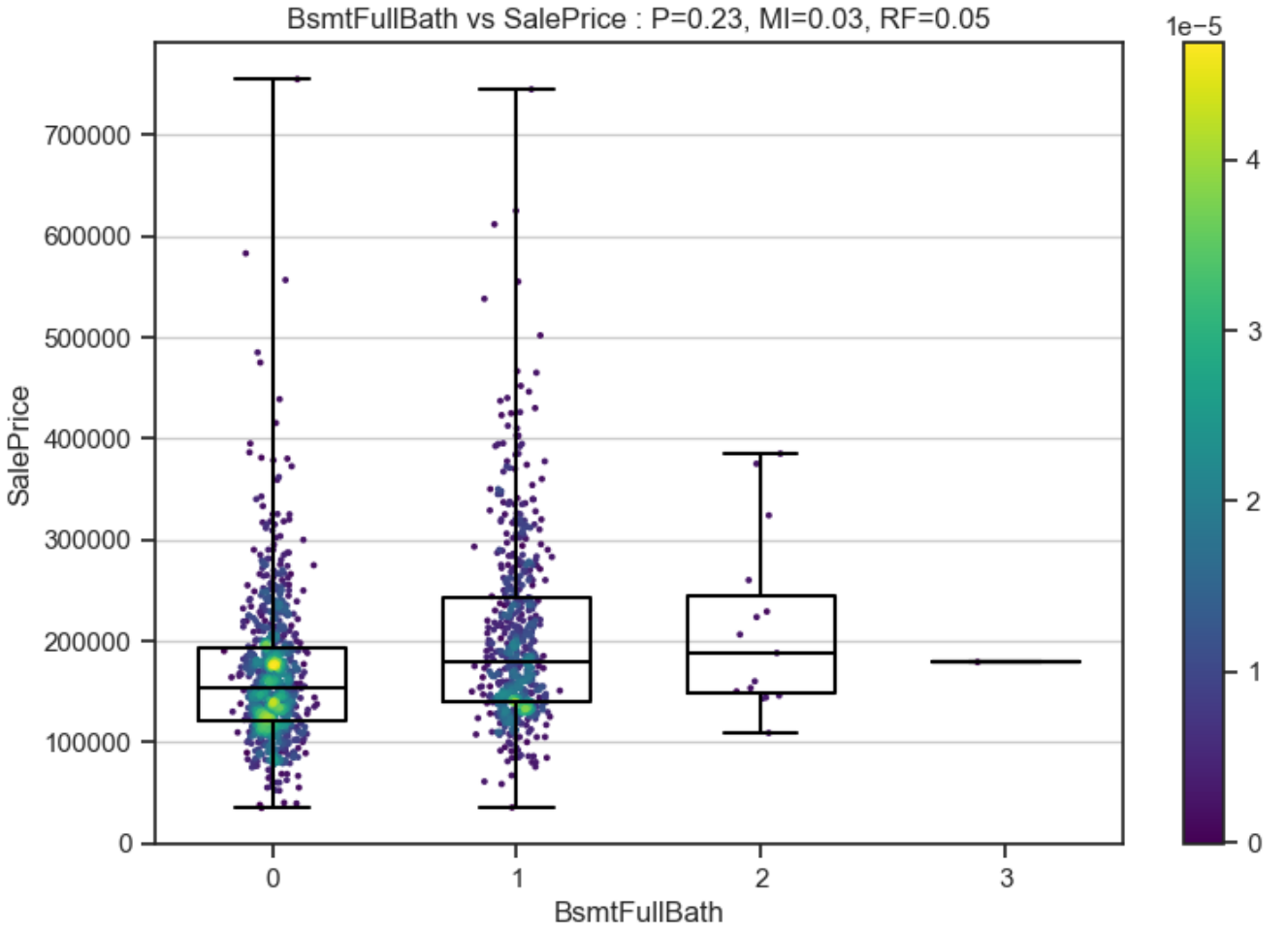

WoodDeckSF vs SalePrice : P=0.32, MI=0.11, RF=0.13
SalePrice
WoodDeckSF
1e−8
0
100000
200000
300000
400000
500000
600000
700000
0
200
400
600
800
1
2
3
4

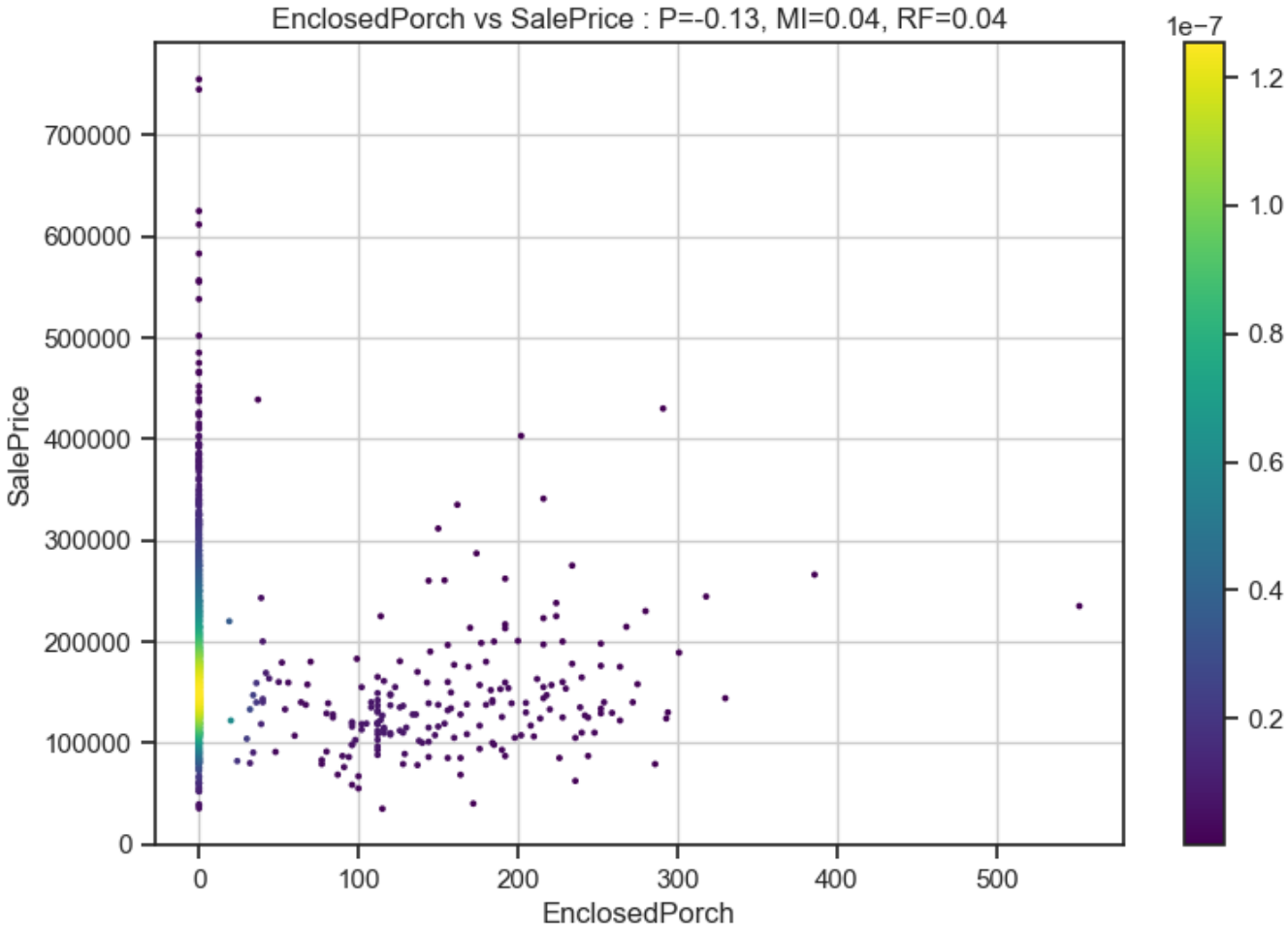

BsmtUnfSF vs SalePrice : P=0.21, MI=0.12, RF=0.12
SalePrice
BsmtUnfSF
1e−9
0
100000
200000
300000
400000
500000
600000
700000
0
500
1000
1500
2000
1
2
3
4
5
6
7

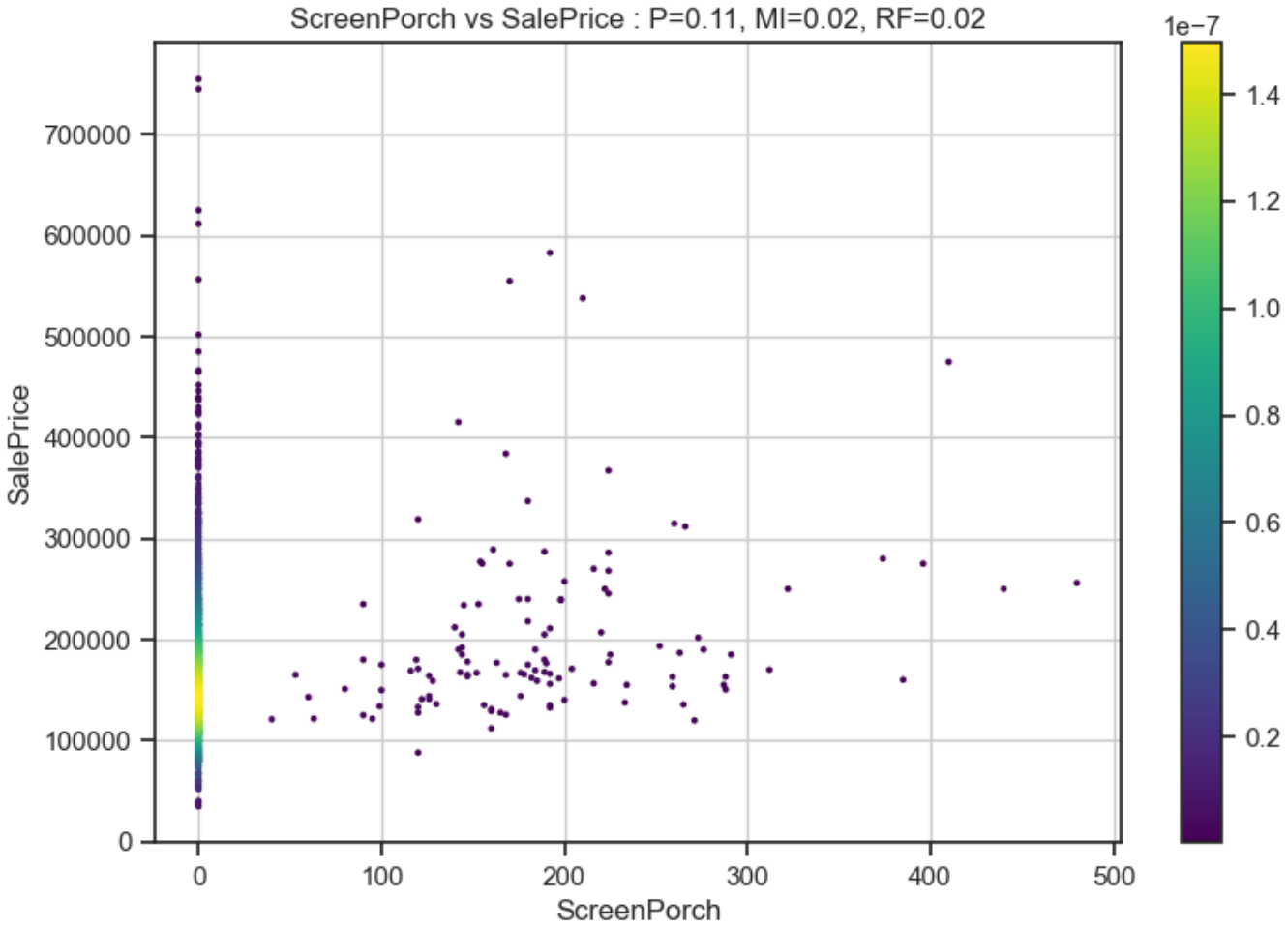

OverallCond vs SalePrice : P=-0.08, MI=0.11, RF=0.12
SalePrice
OverallCond
1e−5
0
100000
200000
300000
400000
500000
600000
700000
1
2
3
4
5
6
7
8
9
0.0
0.5
1.0
1.5
2.0
2.5
3.0

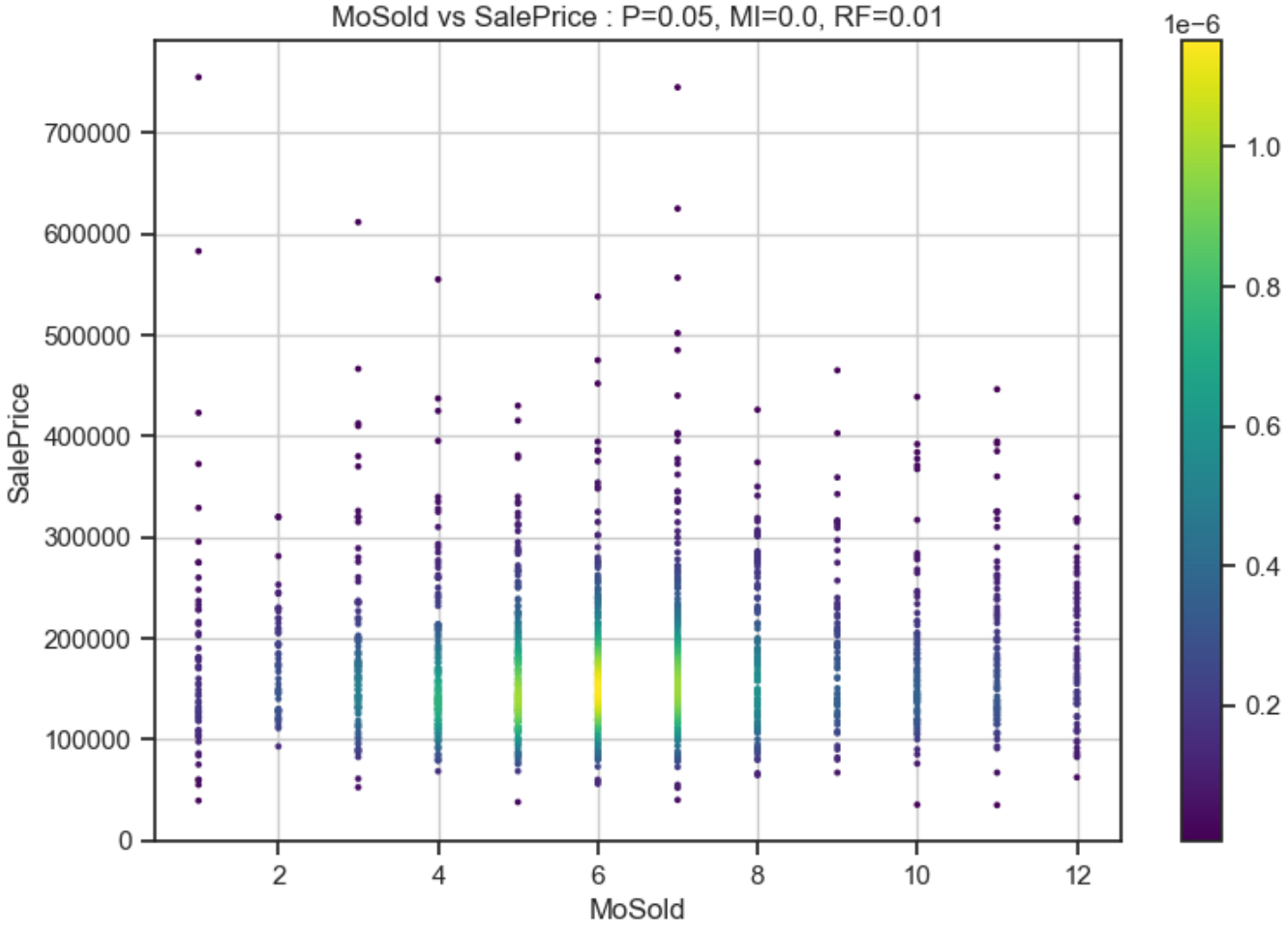

HalfBath vs SalePrice : P=0.28, MI=0.1, RF=0.09
SalePrice
HalfBath
1e−5

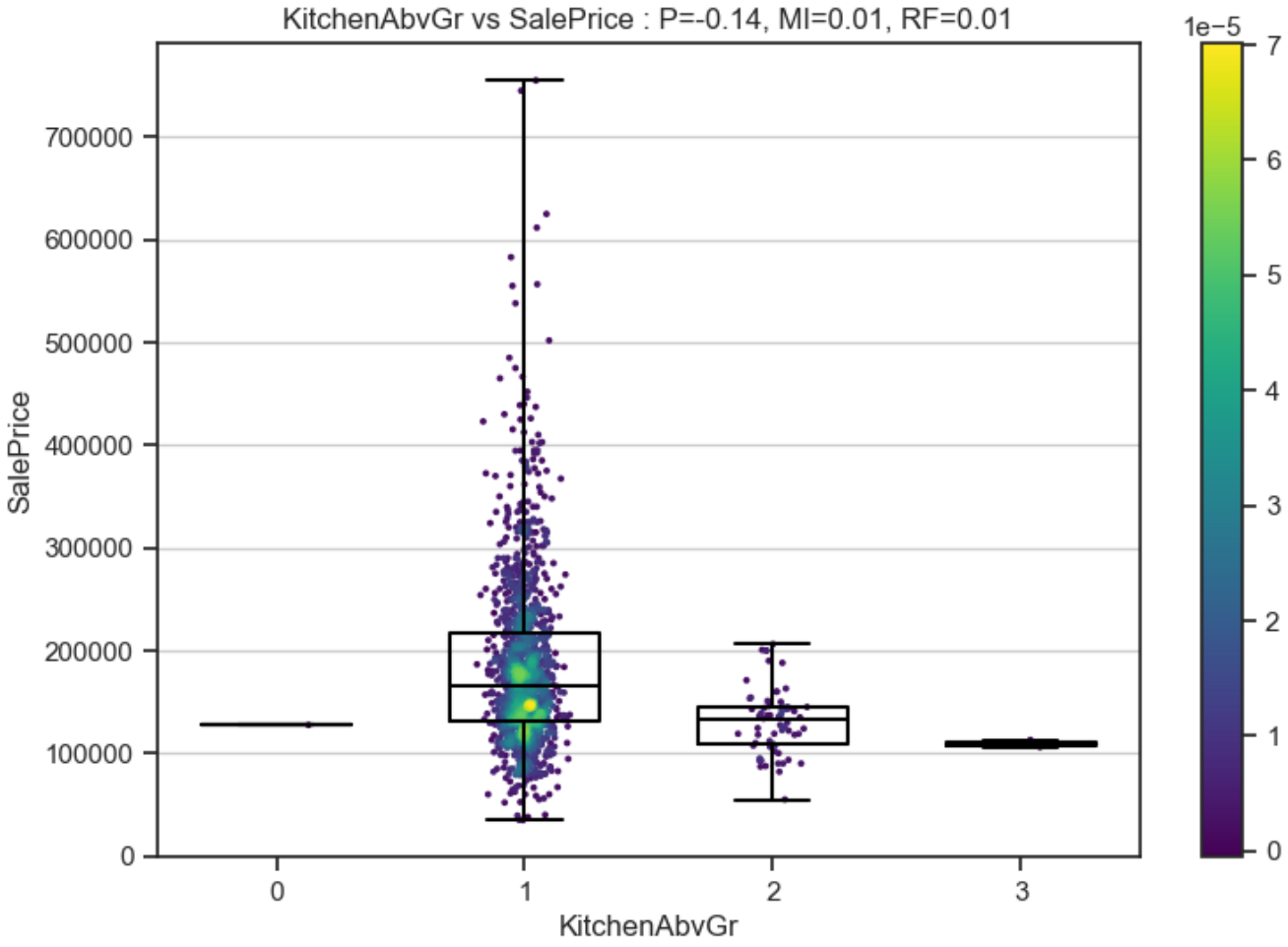

BedroomAbvGr vs SalePrice : P=0.17, MI=0.06, RF=0.05
SalePrice
BedroomAbvGr
1e−5

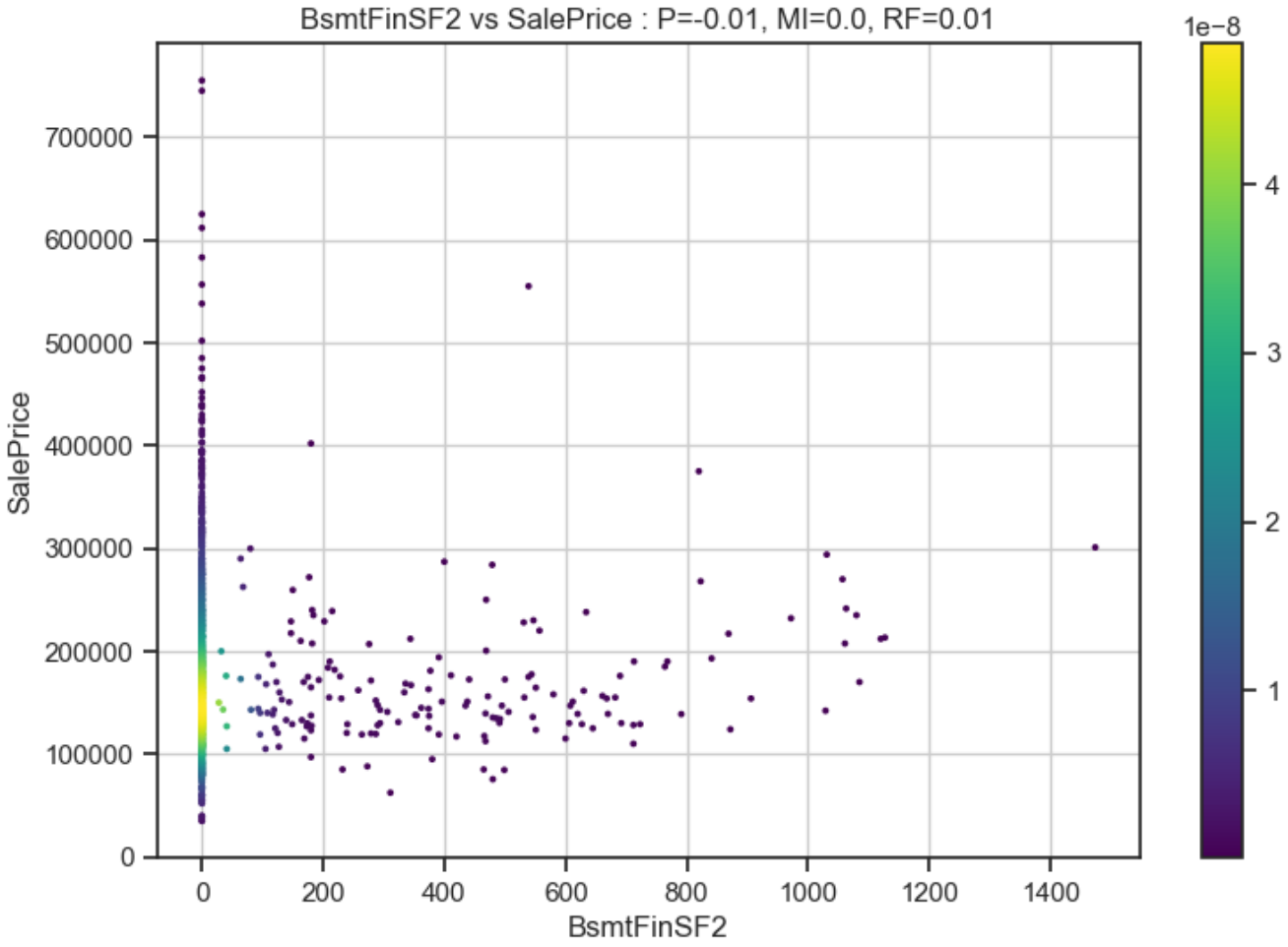

BsmtFullBath vs SalePrice : P=0.23, MI=0.03, RF=0.05
SalePrice
BsmtFullBath
1e−5
0
100000
200000
300000
400000
500000
600000
700000
0
1
2
3
0
1
2
3
4

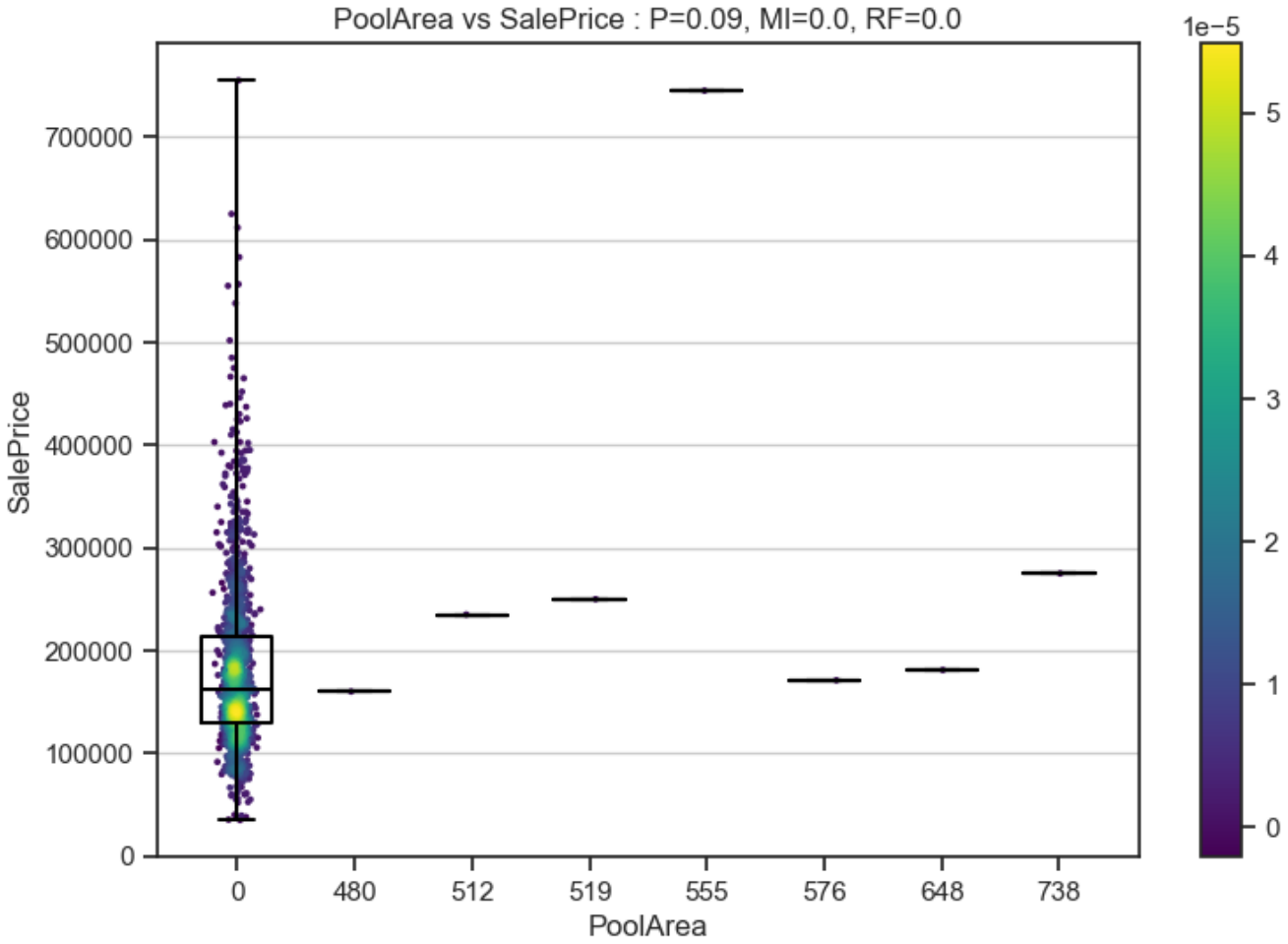

EnclosedPorch vs SalePrice : P=-0.13, MI=0.04, RF=0.04
SalePrice
EnclosedPorch
1e−7
0
100000
200000
300000
400000
500000
600000
700000
0
100
200
300
400
500
0.2
0.4
0.6
0.8
1.0
1.2

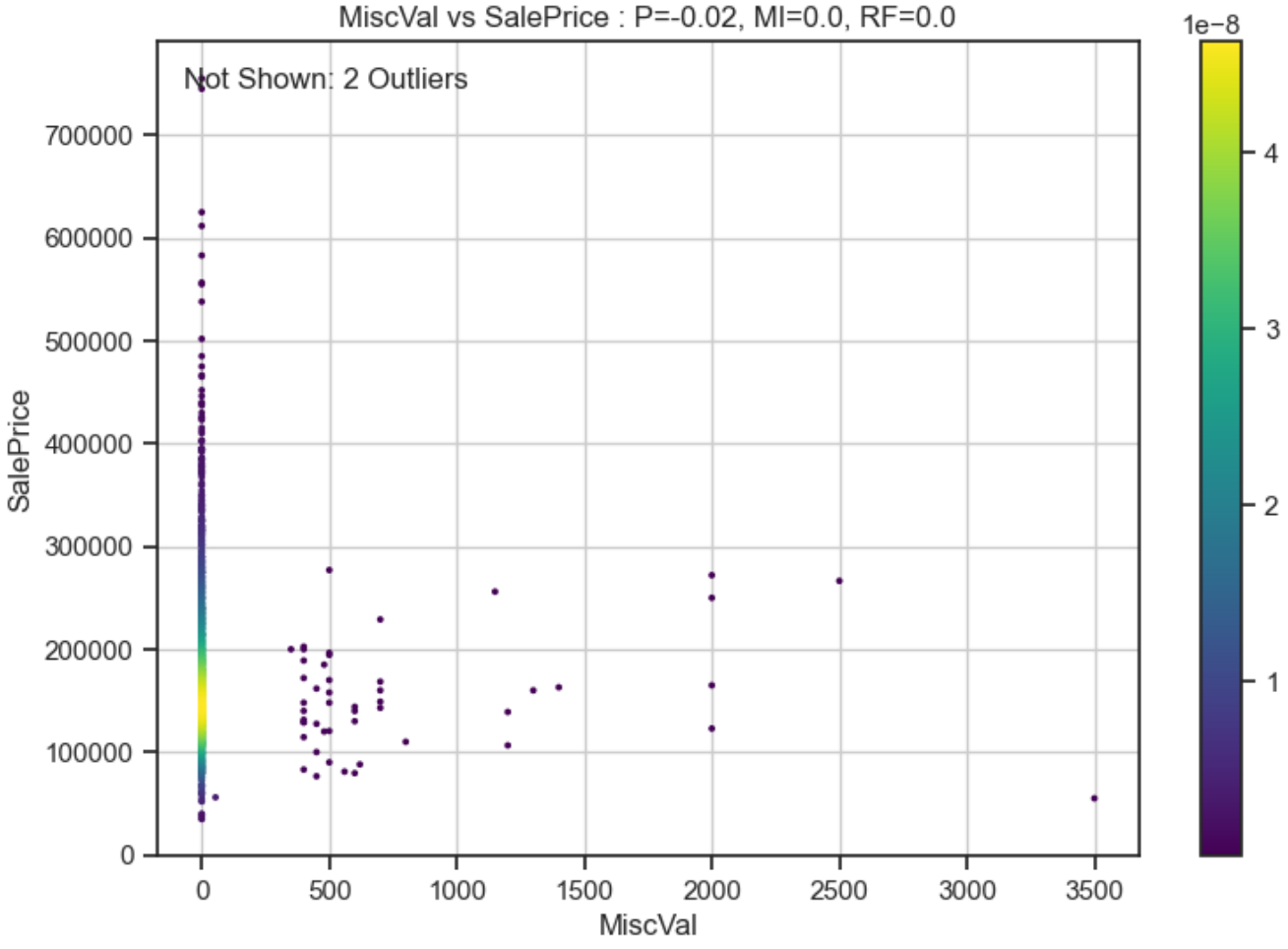

ScreenPorch vs SalePrice : P=0.11, MI=0.02, RF=0.02
SalePrice
ScreenPorch
1e−7
0
100000
200000
300000
400000
500000
600000
700000
0
100
200
300
400
500
0.2
0.4
0.6
0.8
1.0
1.2
1.4

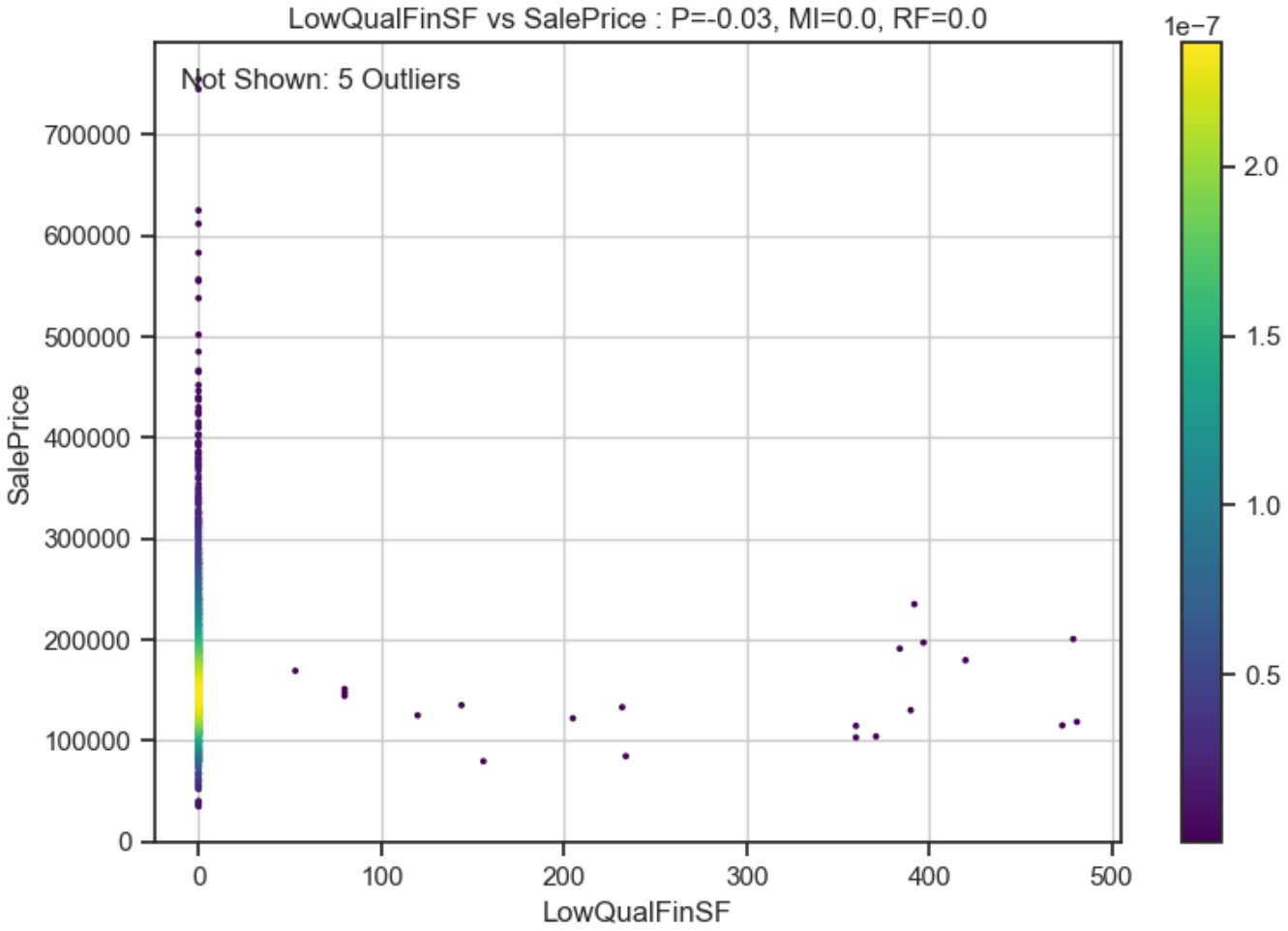

MoSold vs SalePrice : P=0.05, MI=0.0, RF=0.01
SalePrice
MoSold
1e−6
0
100000
200000
300000
400000
500000
600000
700000
2
4
6
8
10
12
0.2
0.4
0.6
0.8
1.0

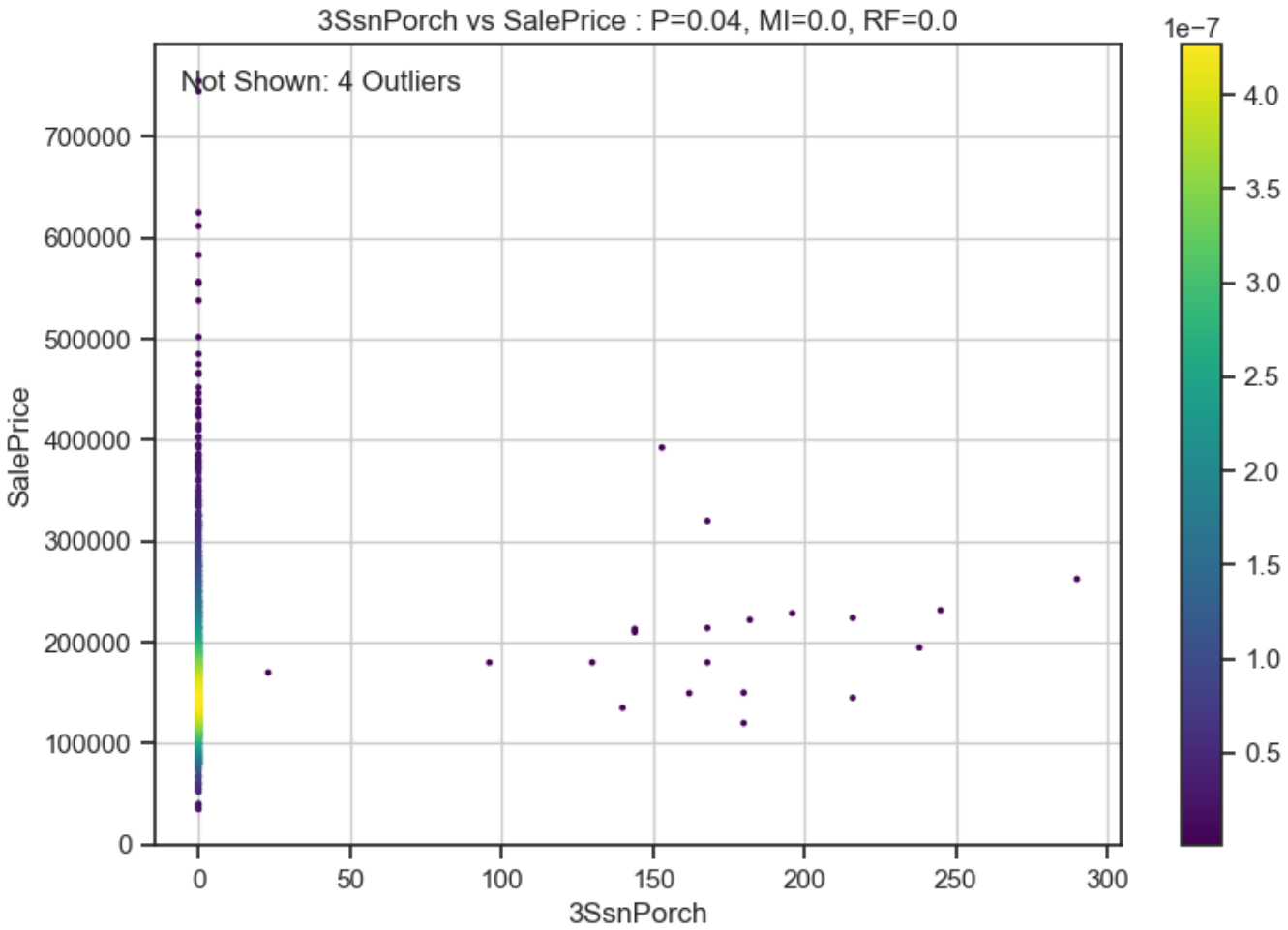

KitchenAbvGr vs SalePrice : P=-0.14, MI=0.01, RF=0.01
SalePrice
KitchenAbvGr
1e−5
0
100000
200000
300000
400000
500000
600000
700000
0
1
2
3
0
1
2
3
4
5
6
7

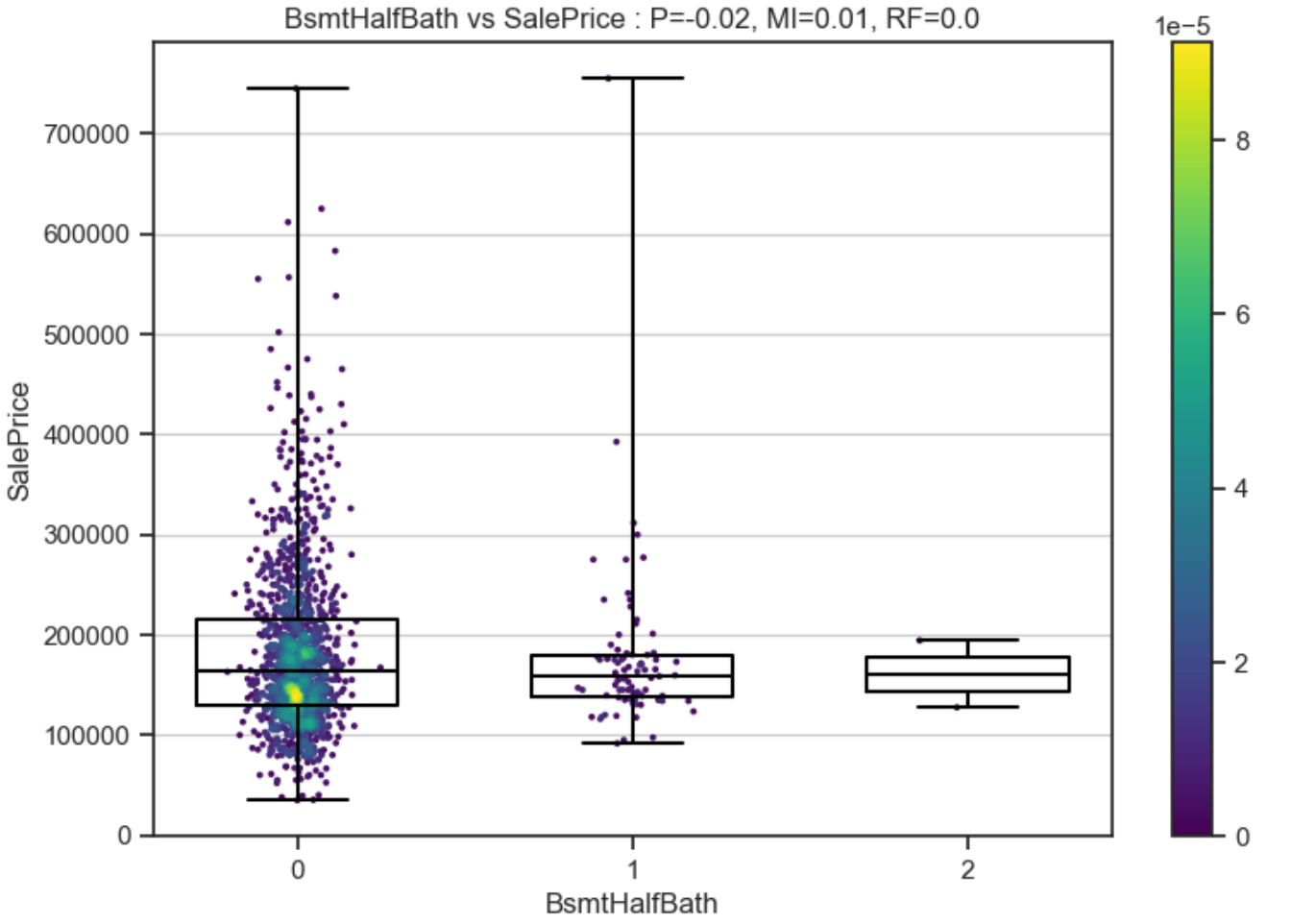

BsmtFinSF2 vs SalePrice : P=-0.01, MI=0.0, RF=0.01
SalePrice
BsmtFinSF2
1e−8
0
100000
200000
300000
400000
500000
600000
700000
0
200
400
600
800
1000
1200
1400
1
2
3
4

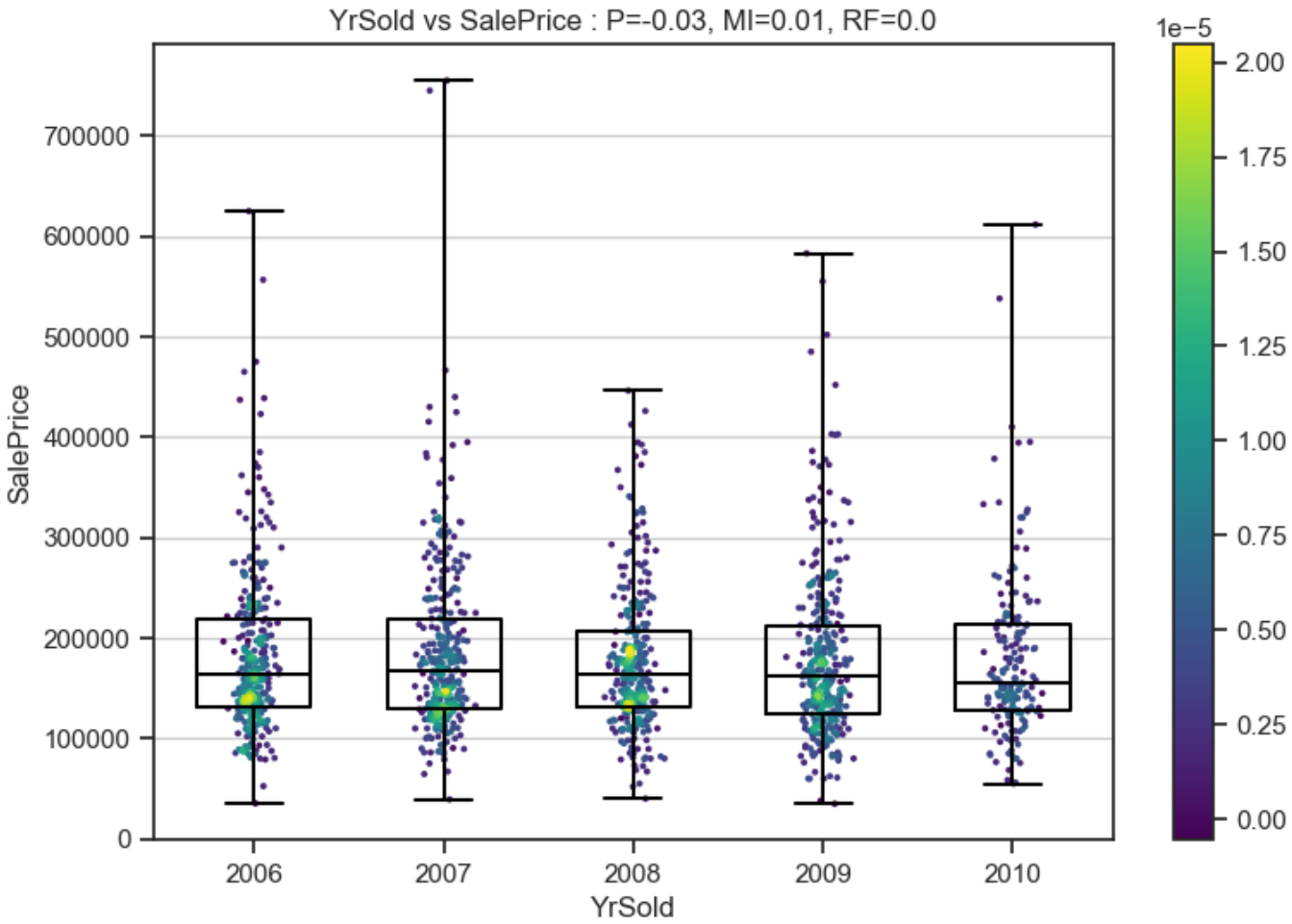

PoolArea vs SalePrice : P=0.09, MI=0.0, RF=0.0
SalePrice
PoolArea
0
480
512
519
555
576
648
738
1e−5


MiscVal vs SalePrice : P=-0.02, MI=0.0, RF=0.0
Not Shown: 2 Outliers
SalePrice
MiscVal
1e−8

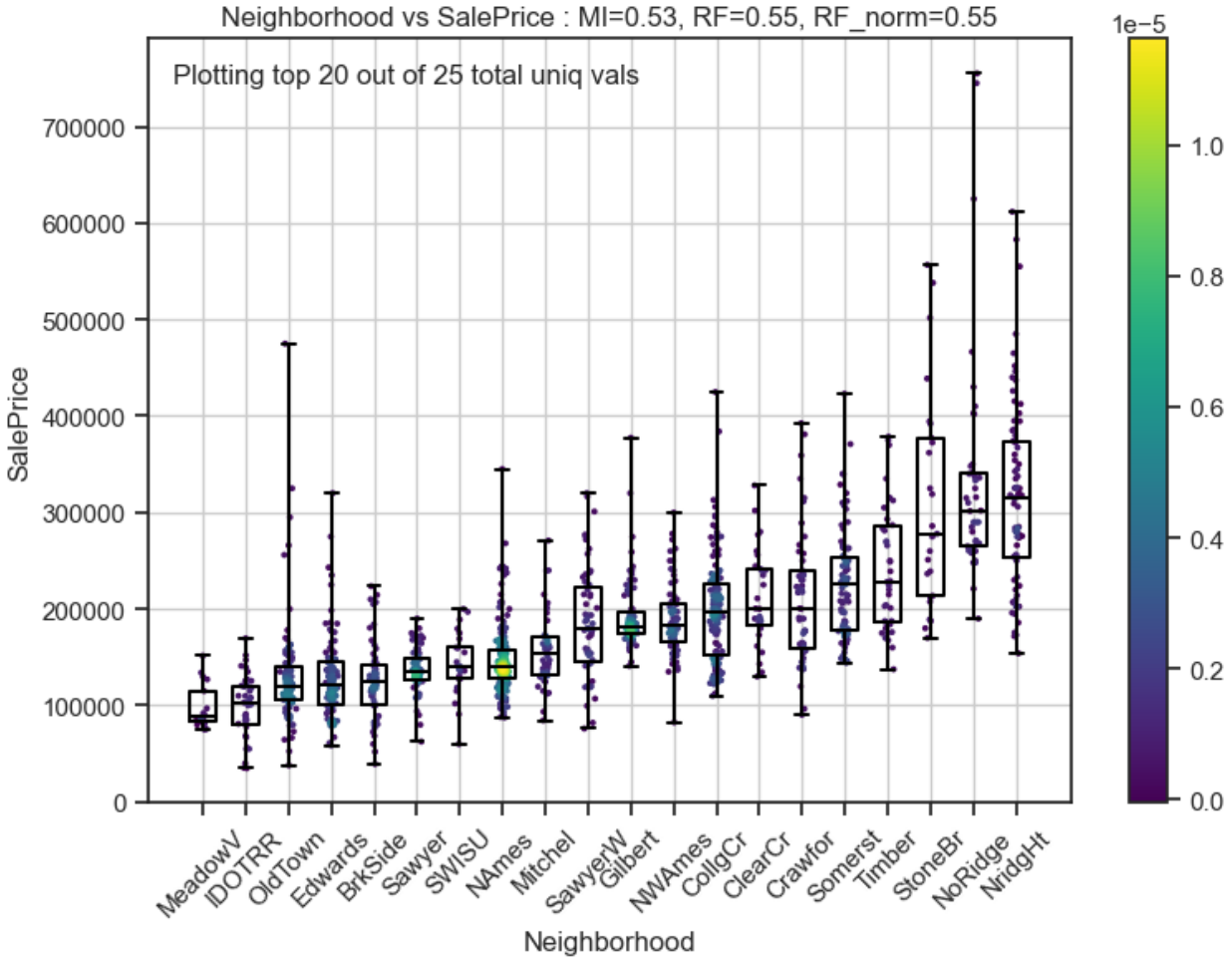

LowQualFinSF vs SalePrice : P=-0.03, MI=0.0, RF=0.0
Not Shown: 5 Outliers
SalePrice
LowQualFinSF
1e−7

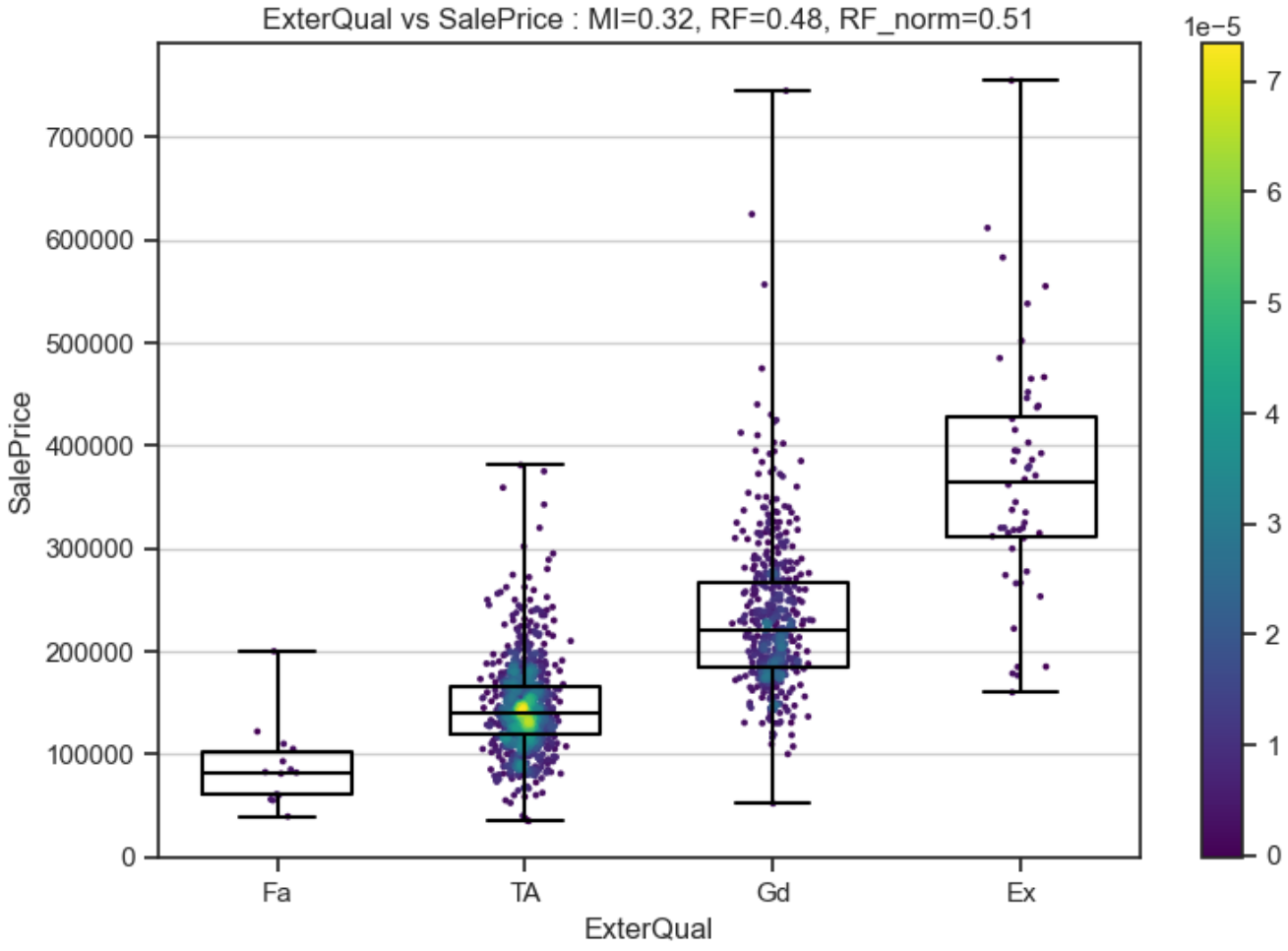

3SsnPorch vs SalePrice : P=0.04, MI=0.0, RF=0.0
Not Shown: 4 Outliers
SalePrice
3SsnPorch
1e−7

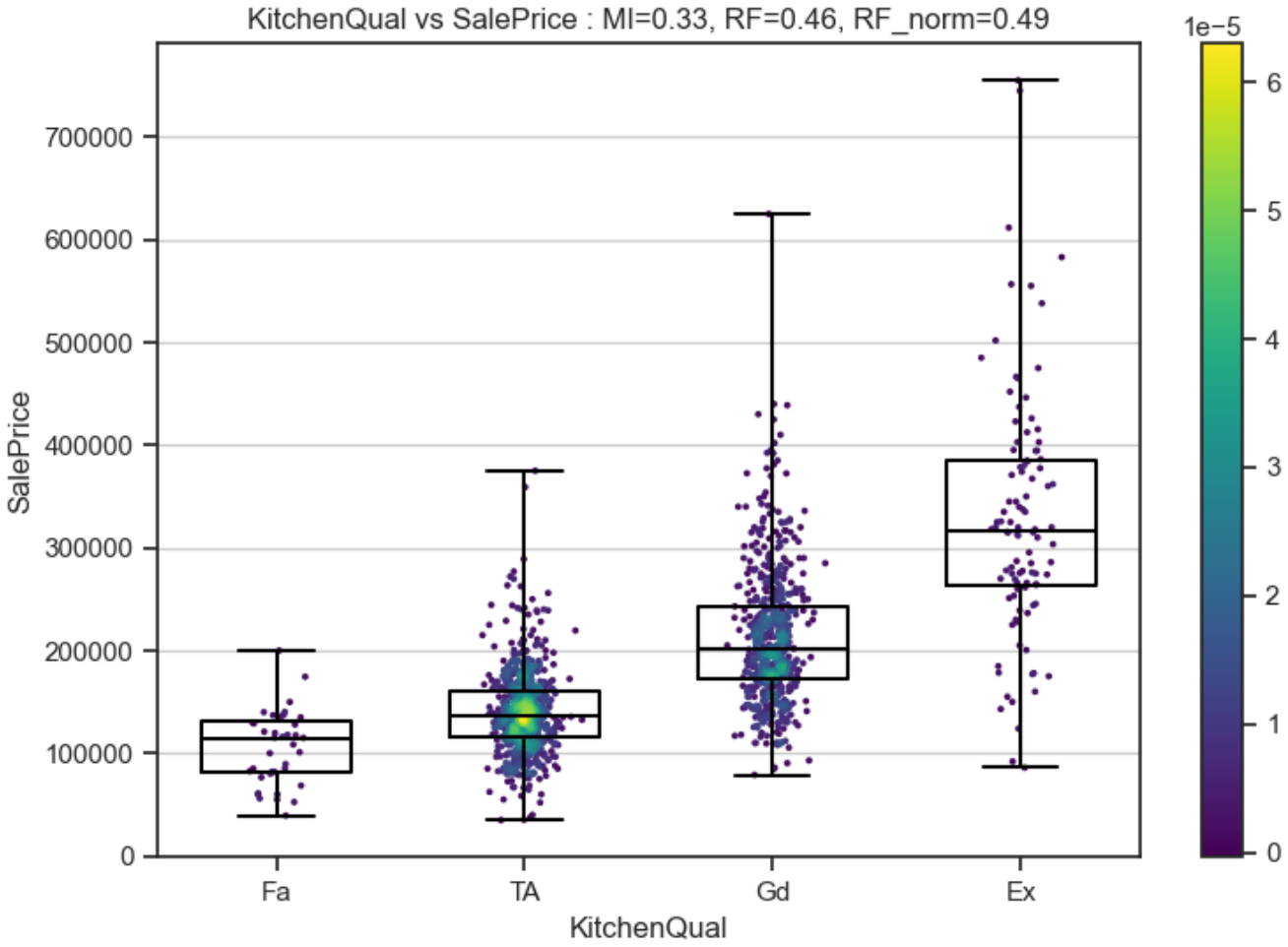

BsmtHalfBath vs SalePrice : P=-0.02, MI=0.01, RF=0.0
SalePrice
BsmtHalfBath
1e−5

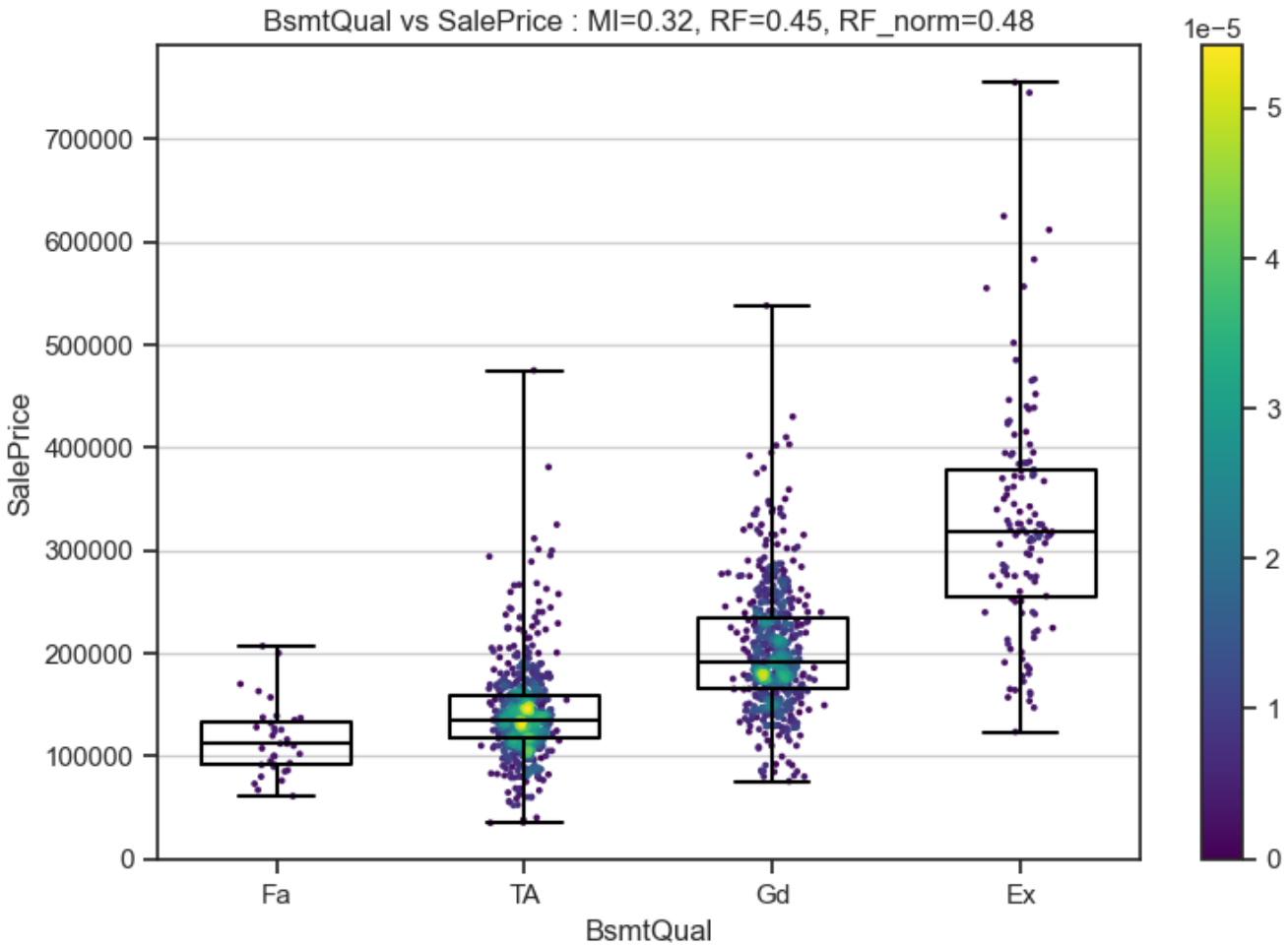

YrSold vs SalePrice : P=-0.03, MI=0.01, RF=0.0
SalePrice
YrSold
1e−5

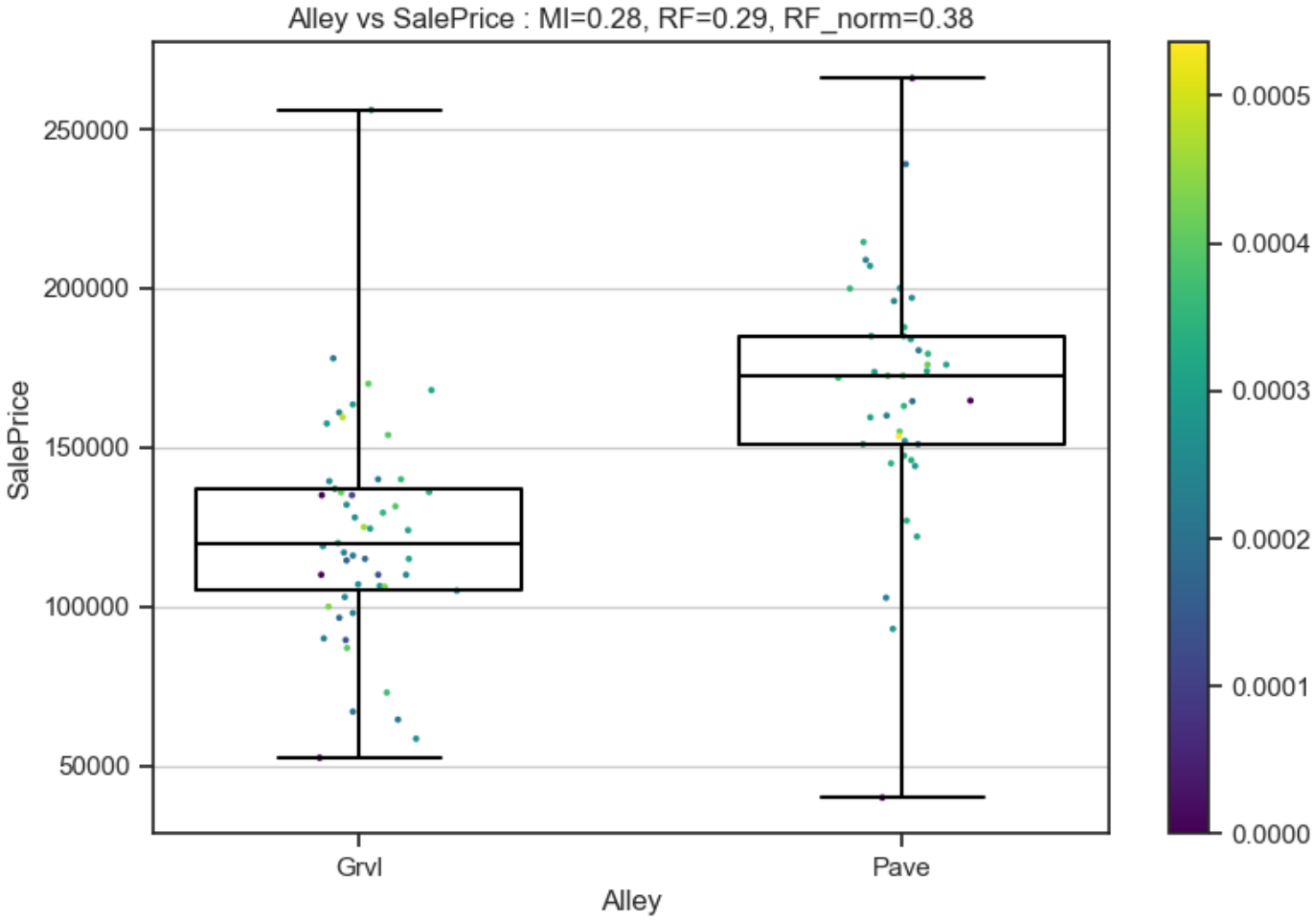
Plots of Non-Numeric Columns versus the Target Variable

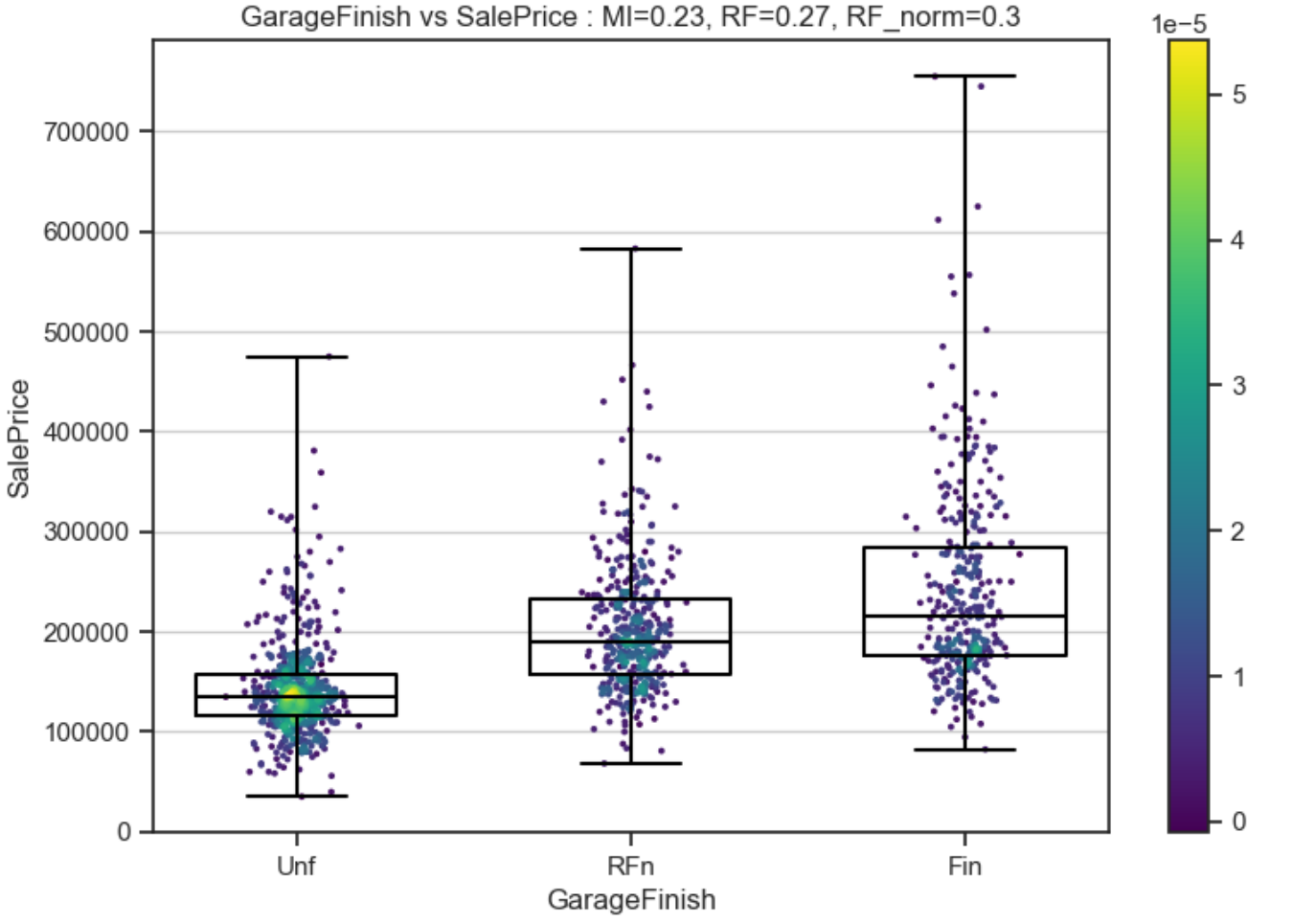

Neighborhood vs SalePrice : MI=0.53, RF=0.55, RF_norm=0.55
Plotting top 20 out of 25 total uniq vals
1e−5
1.0
0.8
0.6
0.4
0.2
0.0
SalePrice
700000
600000
500000
400000
300000
200000
100000
0
MeadowV
IDOTRR
OldTown
Edwards
BrkSide
Sawyer
SWISU
NAmes
Mitchel
SawyerW
Gilbert
NWAmes
CollgCr
ClearCr
Crawfor
Somerst
Timber
StoneBr
NoRidge
NridgHt
Neighborhood

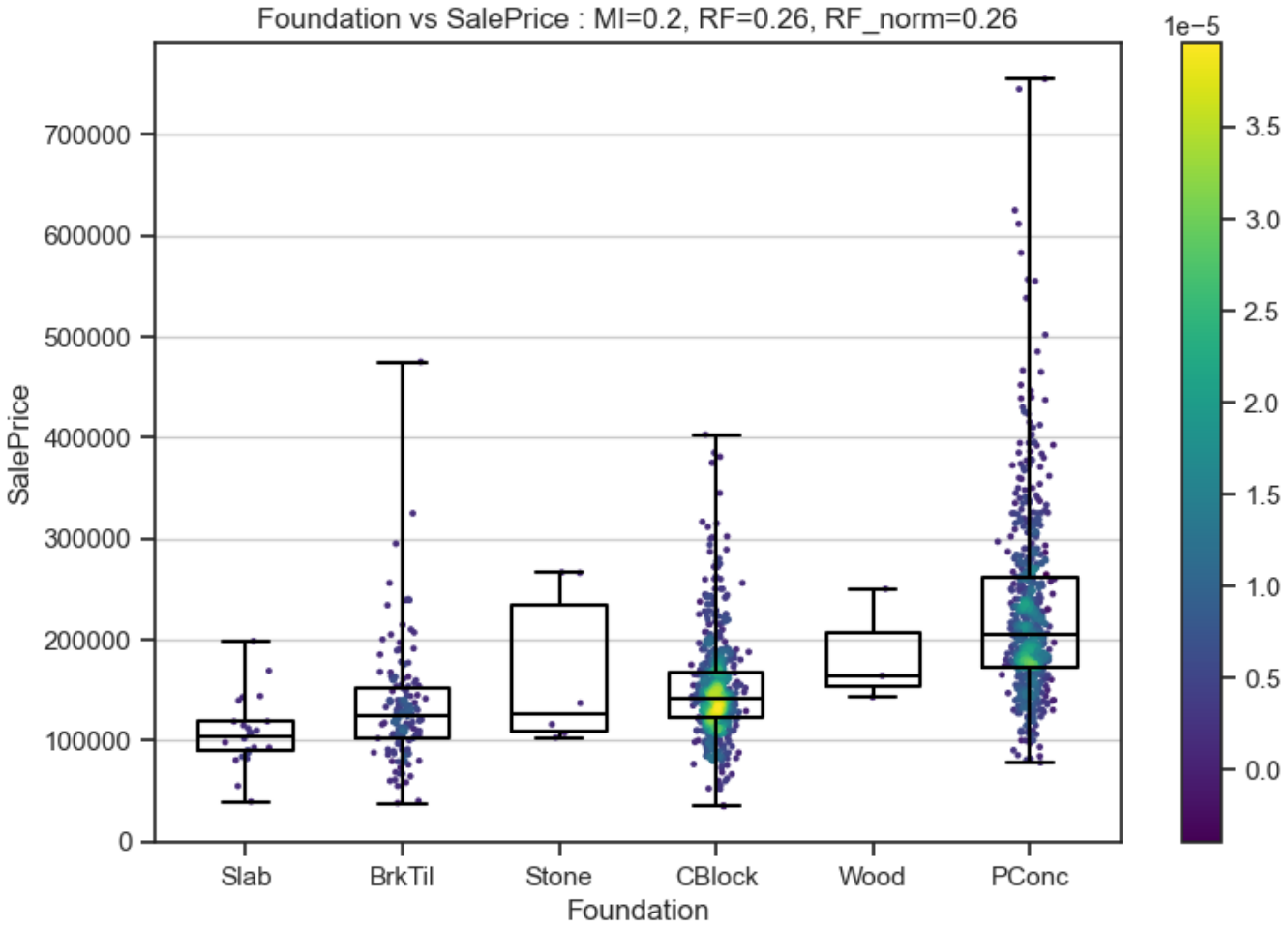

ExterQual vs SalePrice : MI=0.32, RF=0.48, RF_norm=0.51
1e−5
7
6
5
4
3
2
1
0
SalePrice
700000
600000
500000
400000
300000
200000
100000
0
Fa
TA
Gd
Ex
ExterQual

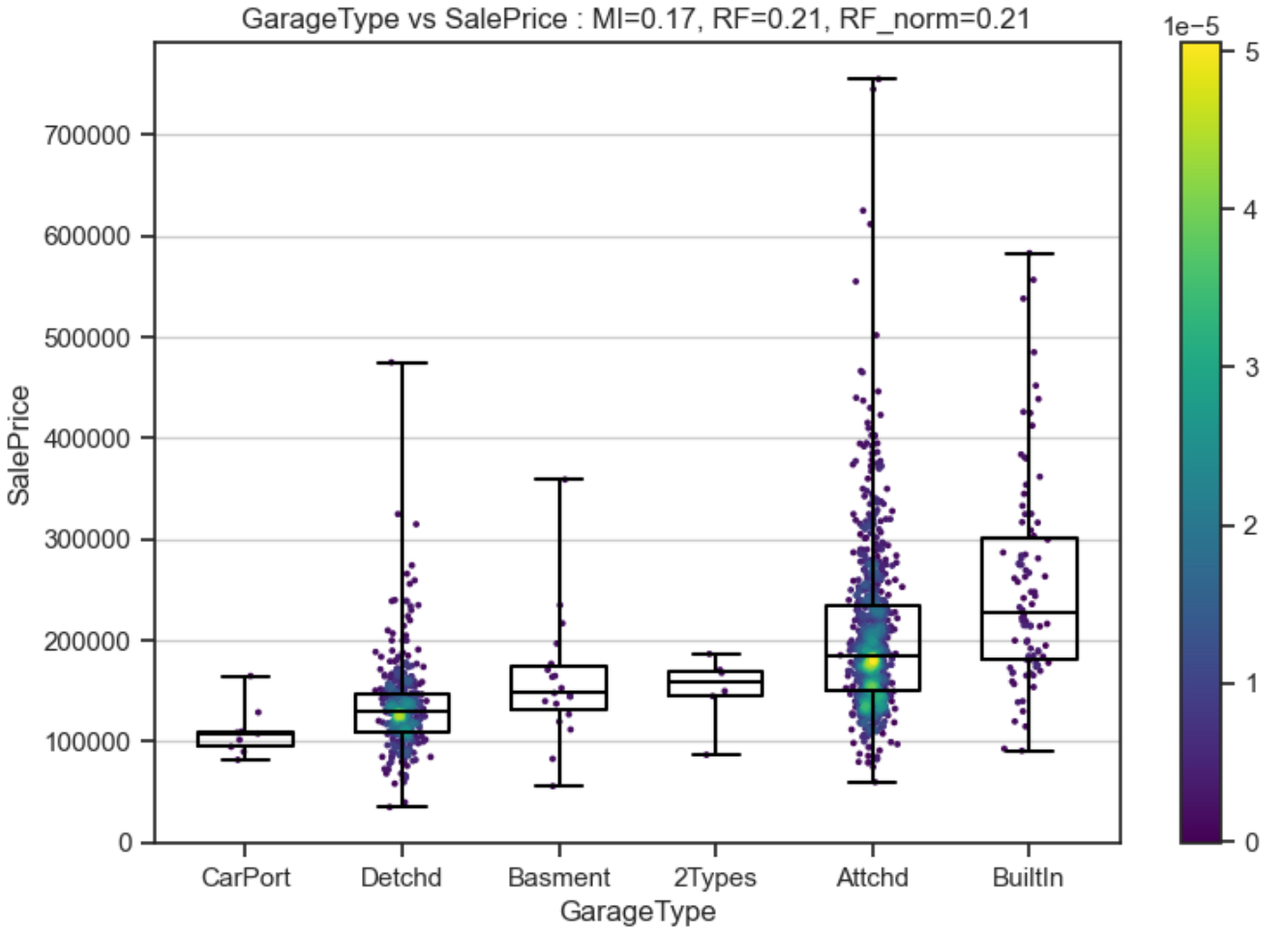

KitchenQual vs SalePrice : MI=0.33, RF=0.46, RF_norm=0.49
SalePrice
0
100000
200000
300000
400000
500000
600000
700000
Fa
TA
Gd
Ex
KitchenQual
1e−5
0
1
2
3
4
5
6

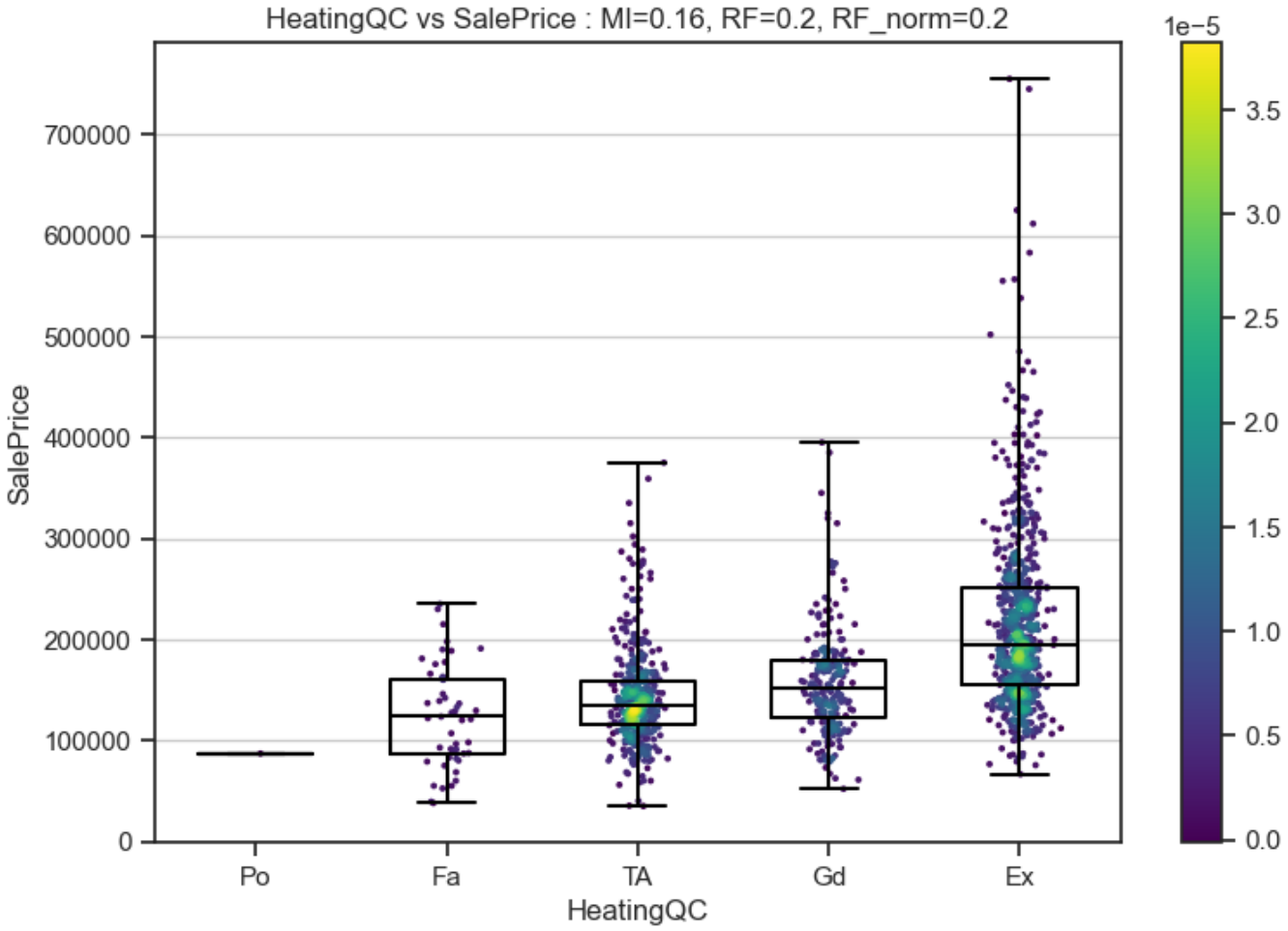

BsmtQual vs SalePrice : MI=0.32, RF=0.45, RF_norm=0.48
SalePrice
0
100000
200000
300000
400000
500000
600000
700000
Fa
TA
Gd
Ex
BsmtQual
1e−5
0
1
2
3
4
5

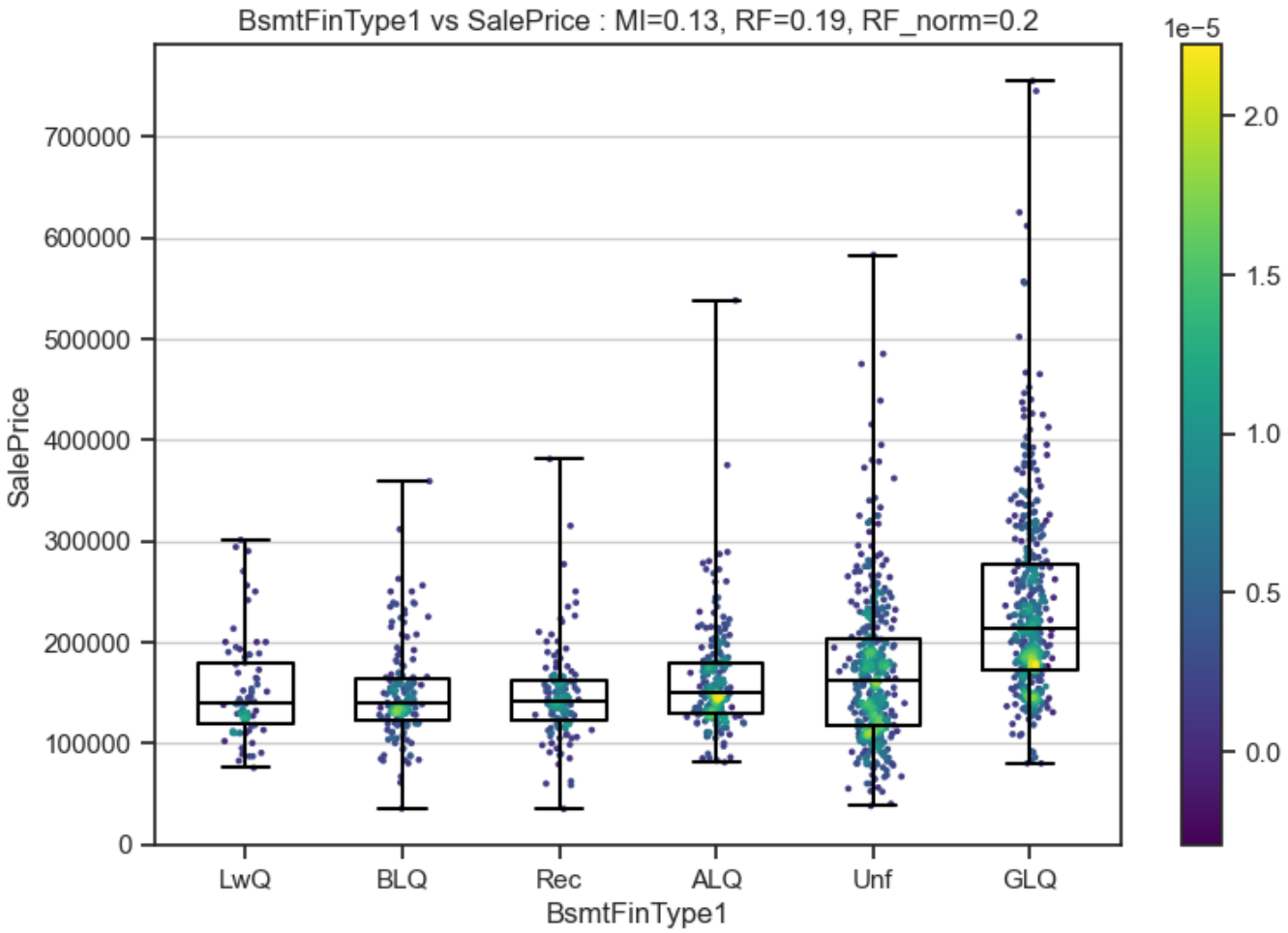

Alley vs SalePrice : MI=0.28, RF=0.29, RF_norm=0.38
SalePrice
250000
200000
150000
100000
50000
Grvl
Pave
Alley
0.0005
0.0004
0.0003
0.0002
0.0001
0.0000

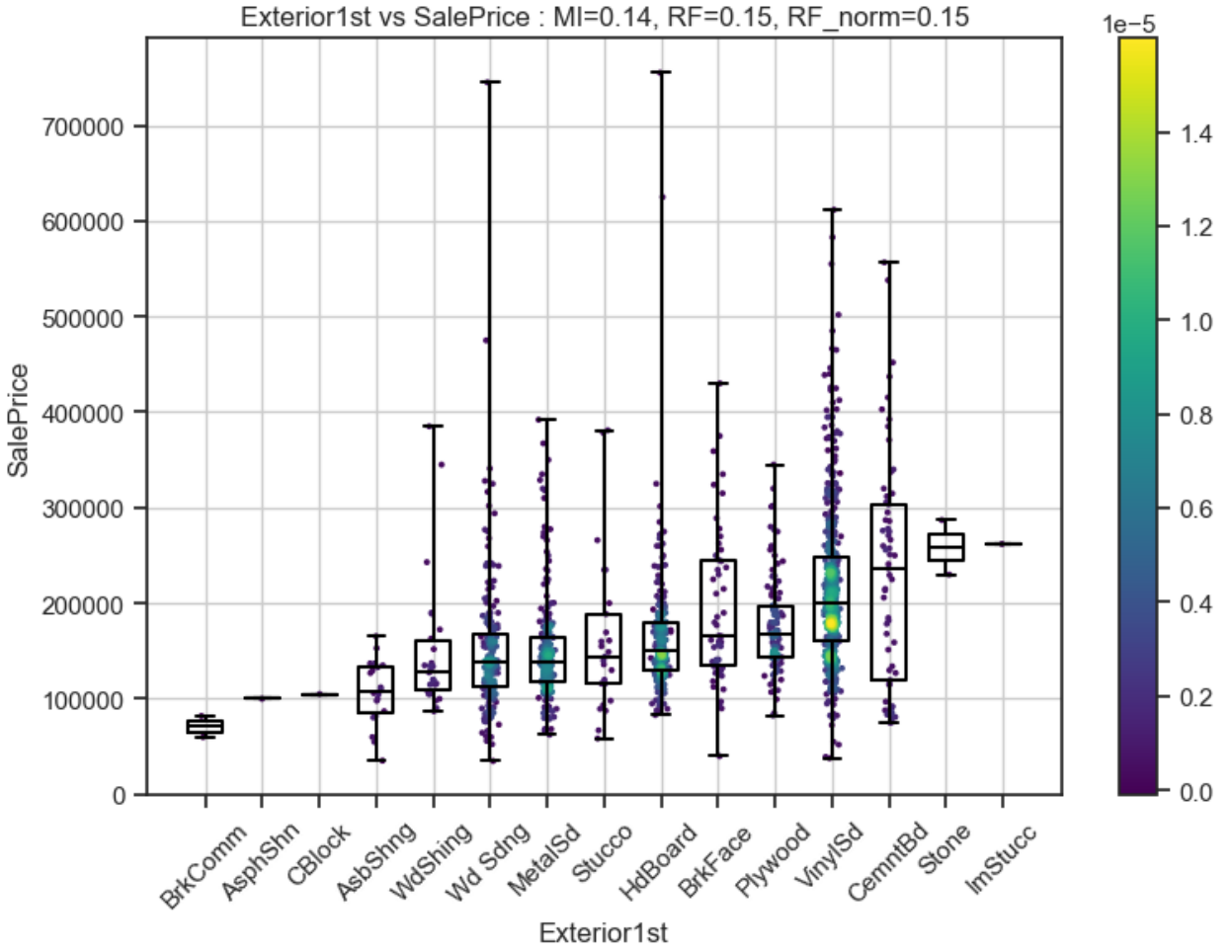

GarageFinish vs SalePrice : MI=0.23, RF=0.27, RF_norm=0.3
SalePrice
700000
600000
500000
400000
300000
200000
100000
0
Unf
RFn
Fin
GarageFinish
1e−5
5
4
3
2
1
0

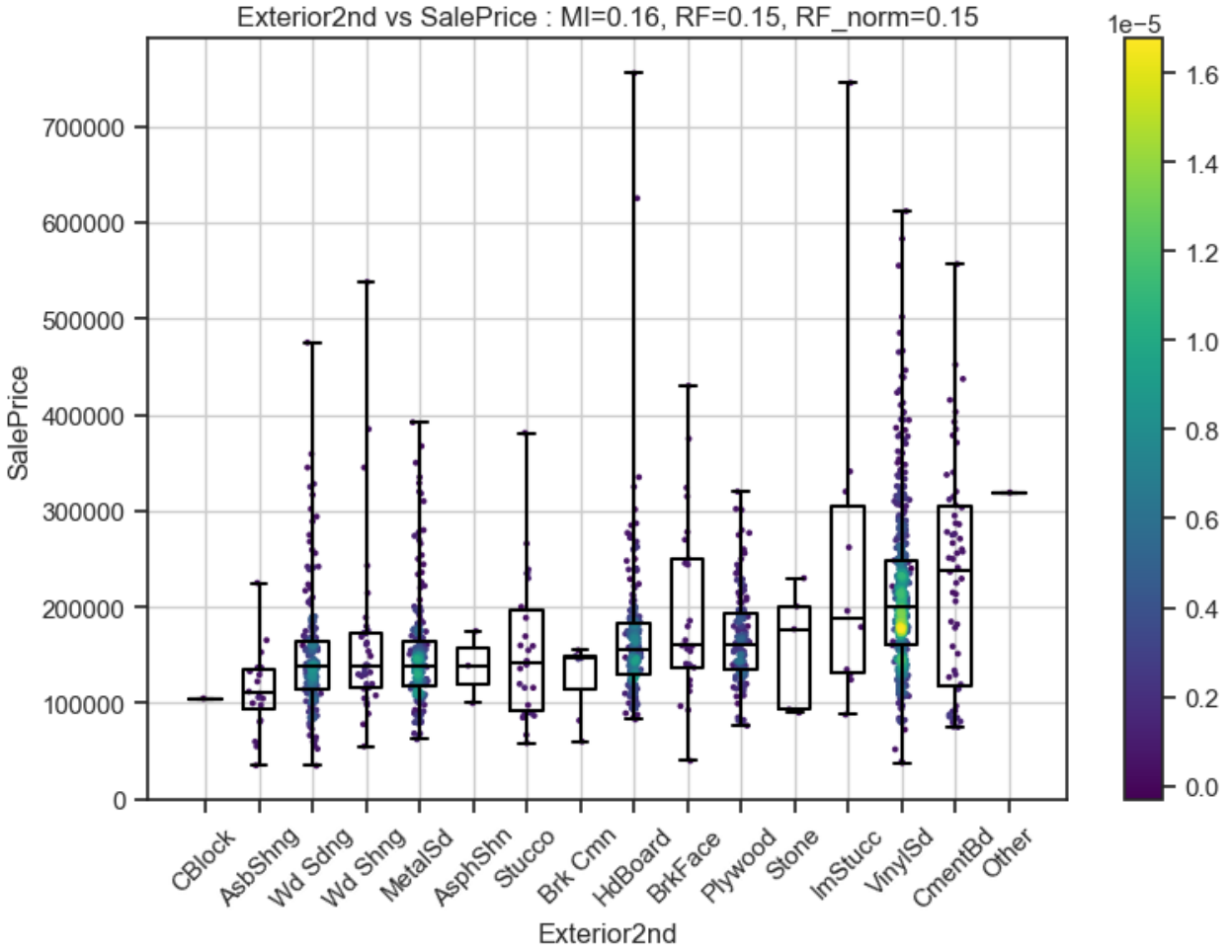

Foundation vs SalePrice : MI=0.2, RF=0.26, RF_norm=0.26
SalePrice
0
100000
200000
300000
400000
500000
600000
700000
Slab
BrkTil
Stone
CBlock
Wood
PConc
Foundation
1e−5
0.0
0.5
1.0
1.5
2.0
2.5
3.0
3.5

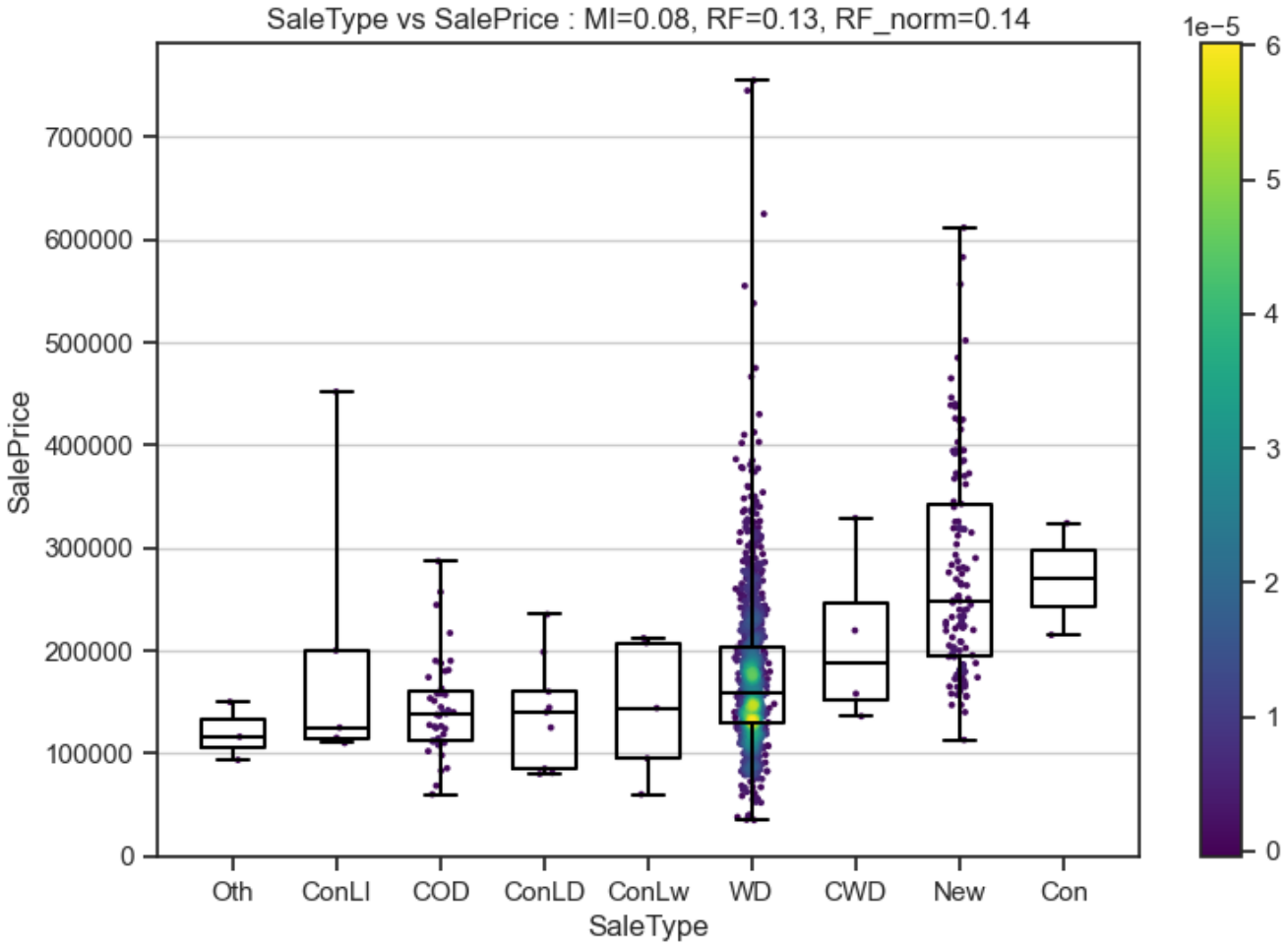

GarageType vs SalePrice : MI=0.17, RF=0.21, RF_norm=0.21
SalePrice
0
100000
200000
300000
400000
500000
600000
700000
CarPort
Detchd
Basment
2Types
Attchd
BuiltIn
GarageType
1e−5
0
1
2
3
4
5

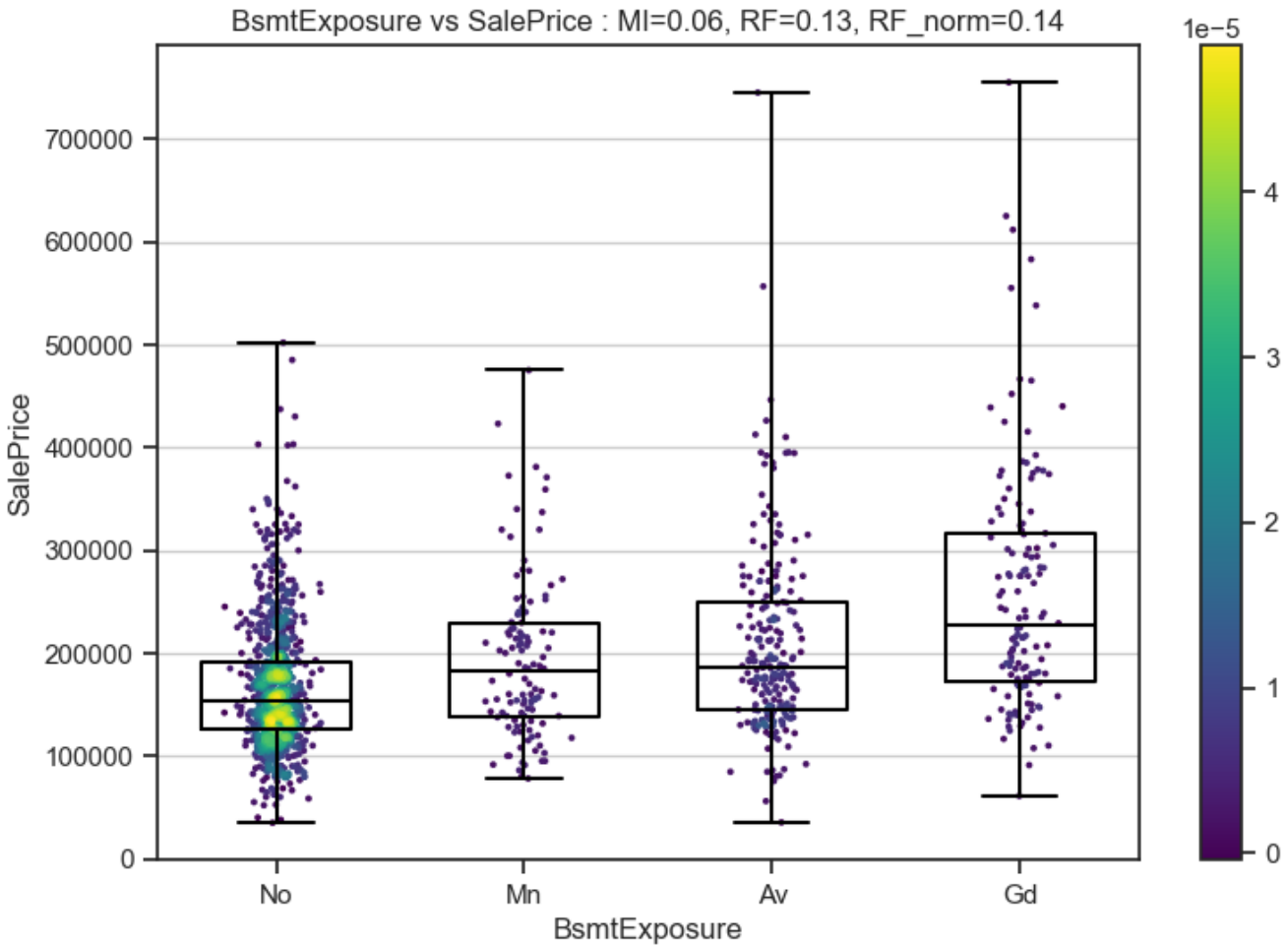

HeatingQC vs SalePrice : MI=0.16, RF=0.2, RF_norm=0.2
SalePrice
HeatingQC
Po
Fa
TA
Gd
Ex
1e−5

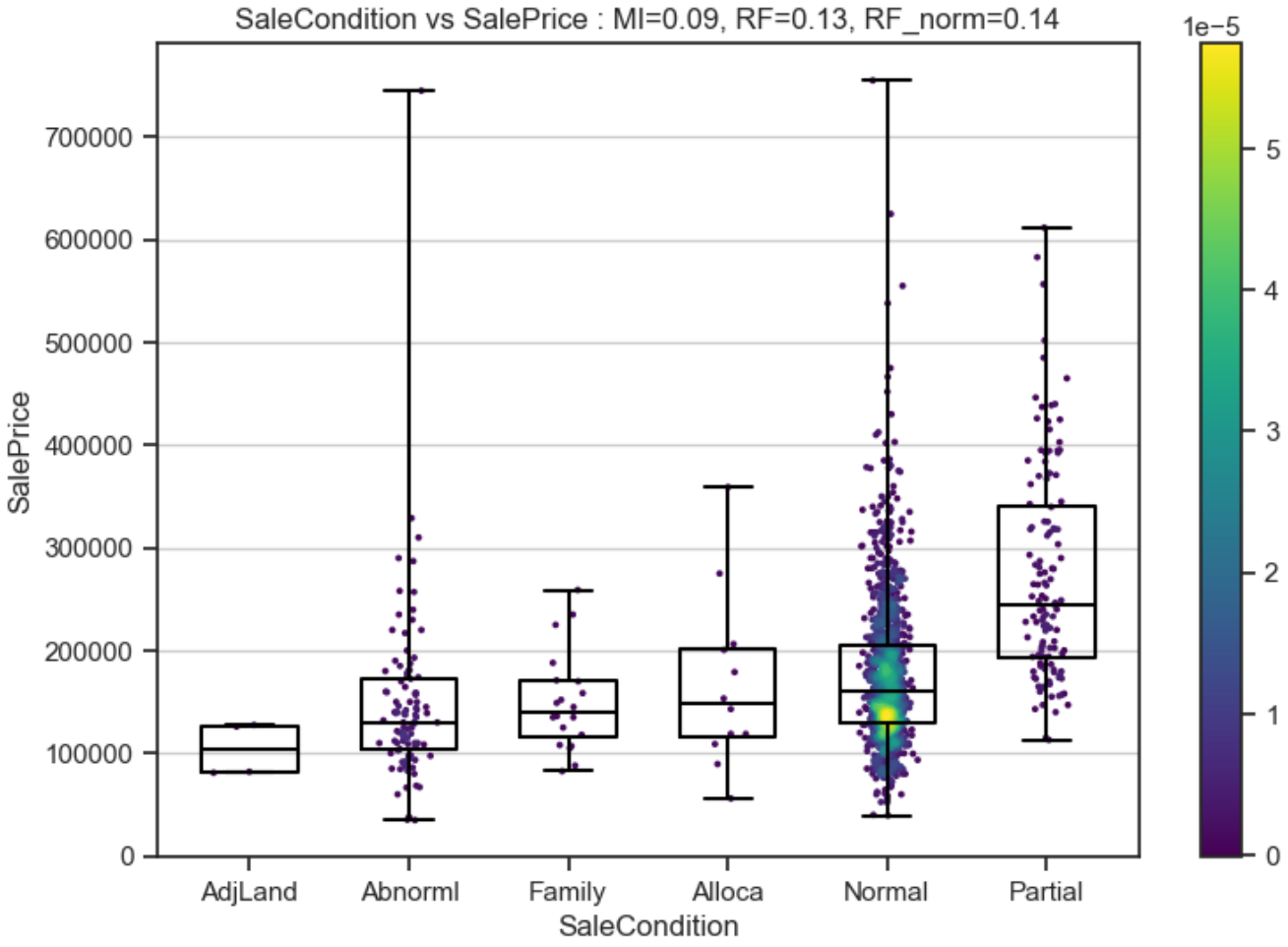

BsmtFinType1 vs SalePrice : MI=0.13, RF=0.19, RF_norm=0.2
SalePrice
BsmtFinType1
LwQ
BLQ
Rec
ALQ
Unf
GLQ
1e−5

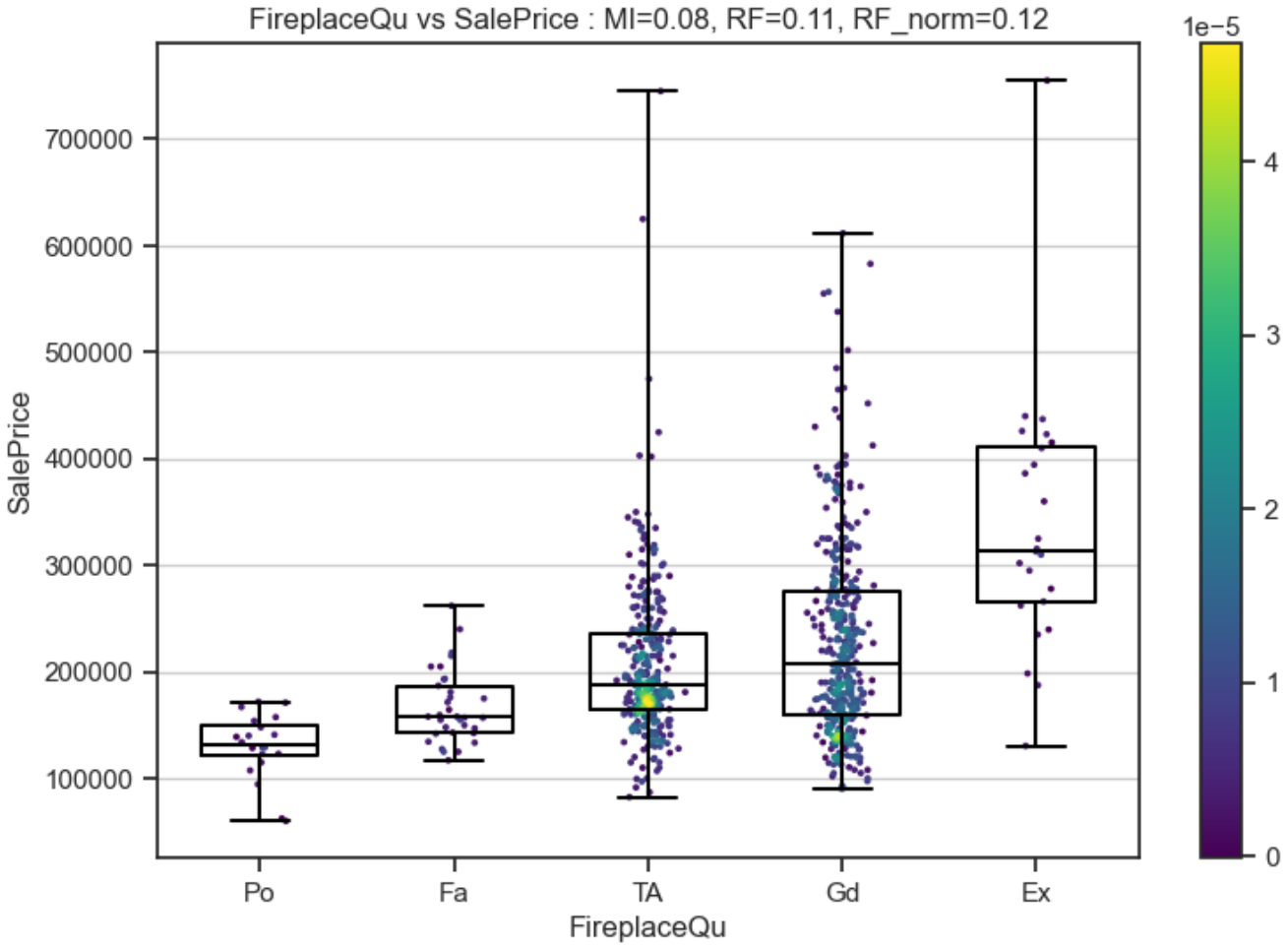

Exterior1st vs SalePrice : MI=0.14, RF=0.15, RF_norm=0.15
SalePrice
Exterior1st
1e−5
BrkComm
AsphShn
CBlock
AsbShng
WdShing
Wd Sdng
MetalSd
Stucco
HdBoard
BrkFace
Plywood
VinylSd
CemntBd
Stone
ImStucc

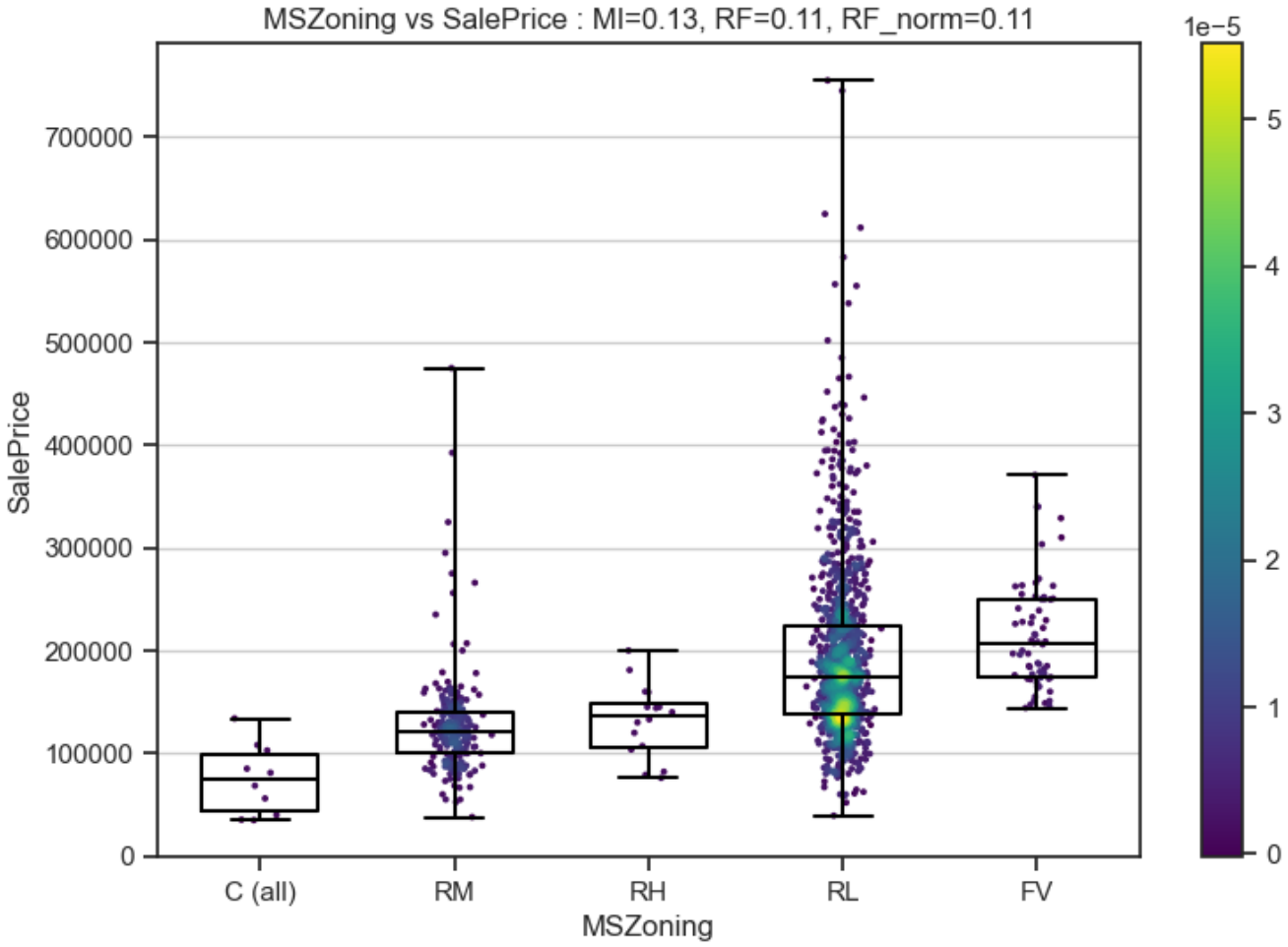

Exterior2nd vs SalePrice : MI=0.16, RF=0.15, RF_norm=0.15
SalePrice
Exterior2nd
1e−5
CBlock
AsbShng
Wd Sdng
Wd Shng
MetalSd
AsphShn
Stucco
Brk Cmn
HdBoard
BrkFace
Plywood
Stone
ImStucc
VinylSd
CmentBd
Other

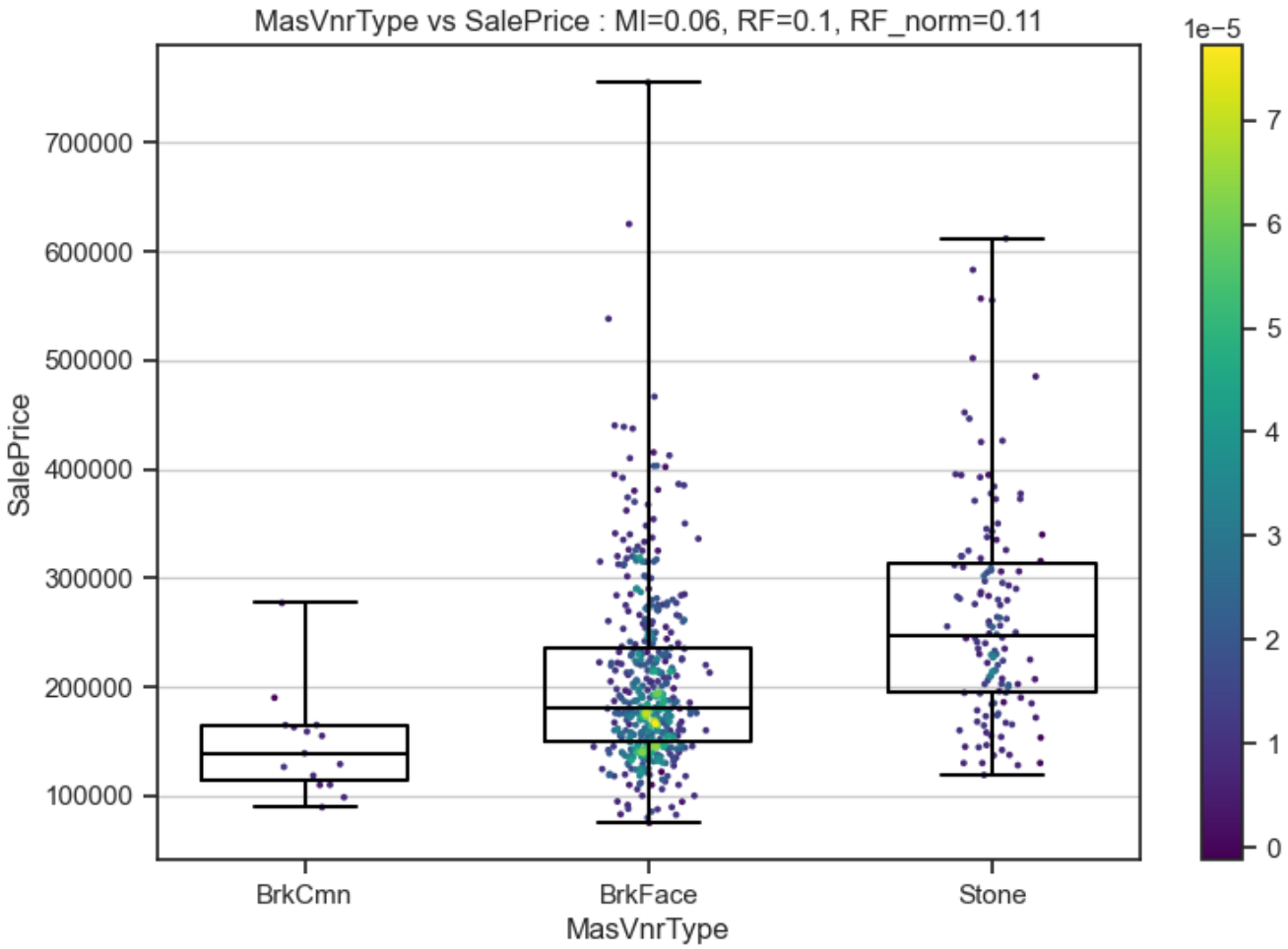

SaleType vs SalePrice : MI=0.08, RF=0.13, RF_norm=0.14
SalePrice
SaleType
Oth
ConLI
COD
ConLD
ConLw
WD
CWD
New
Con
1e−5

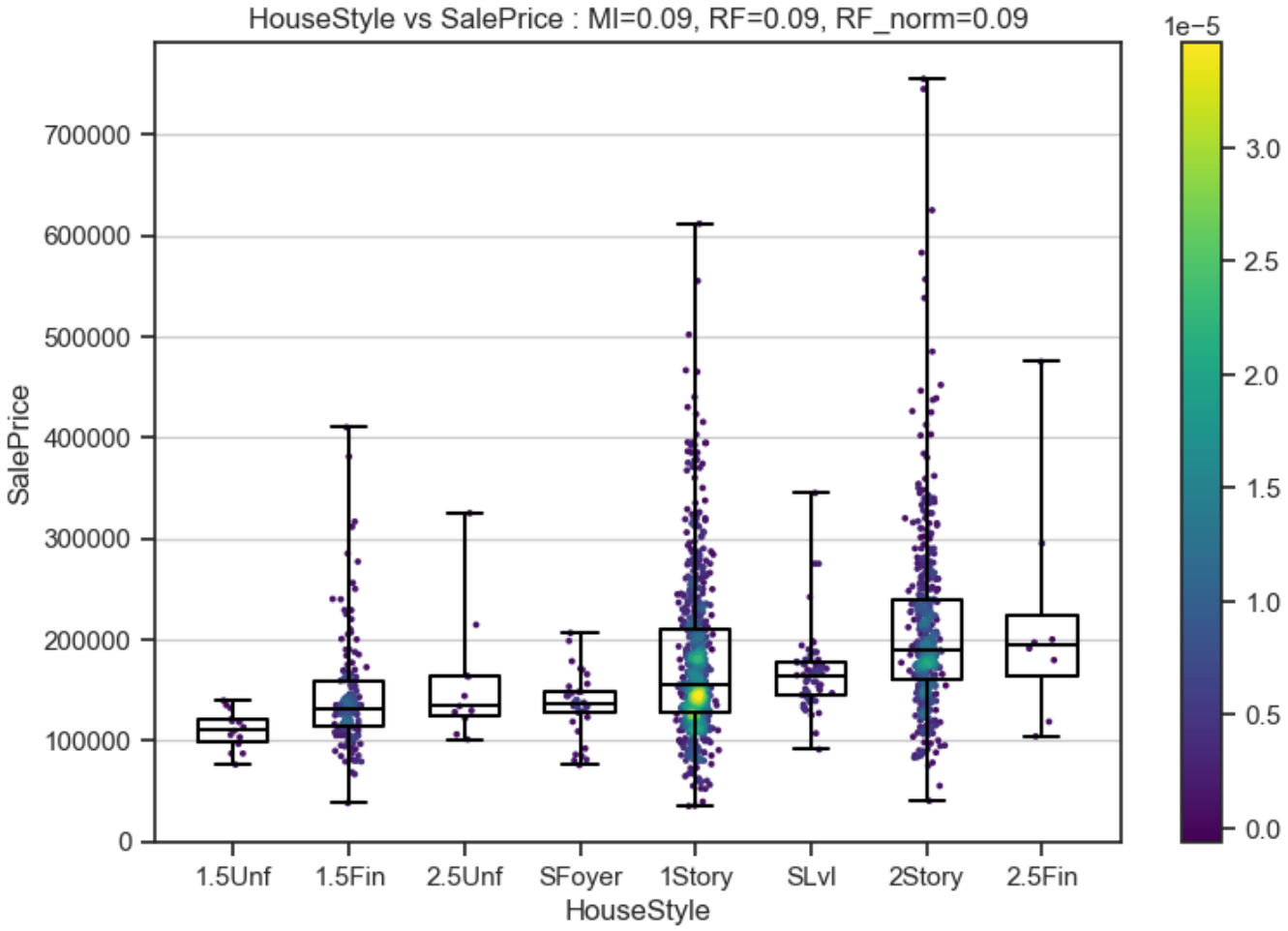

BsmtExposure vs SalePrice : MI=0.06, RF=0.13, RF_norm=0.14
SalePrice
BsmtExposure
No
Mn
Av
Gd
1e−5

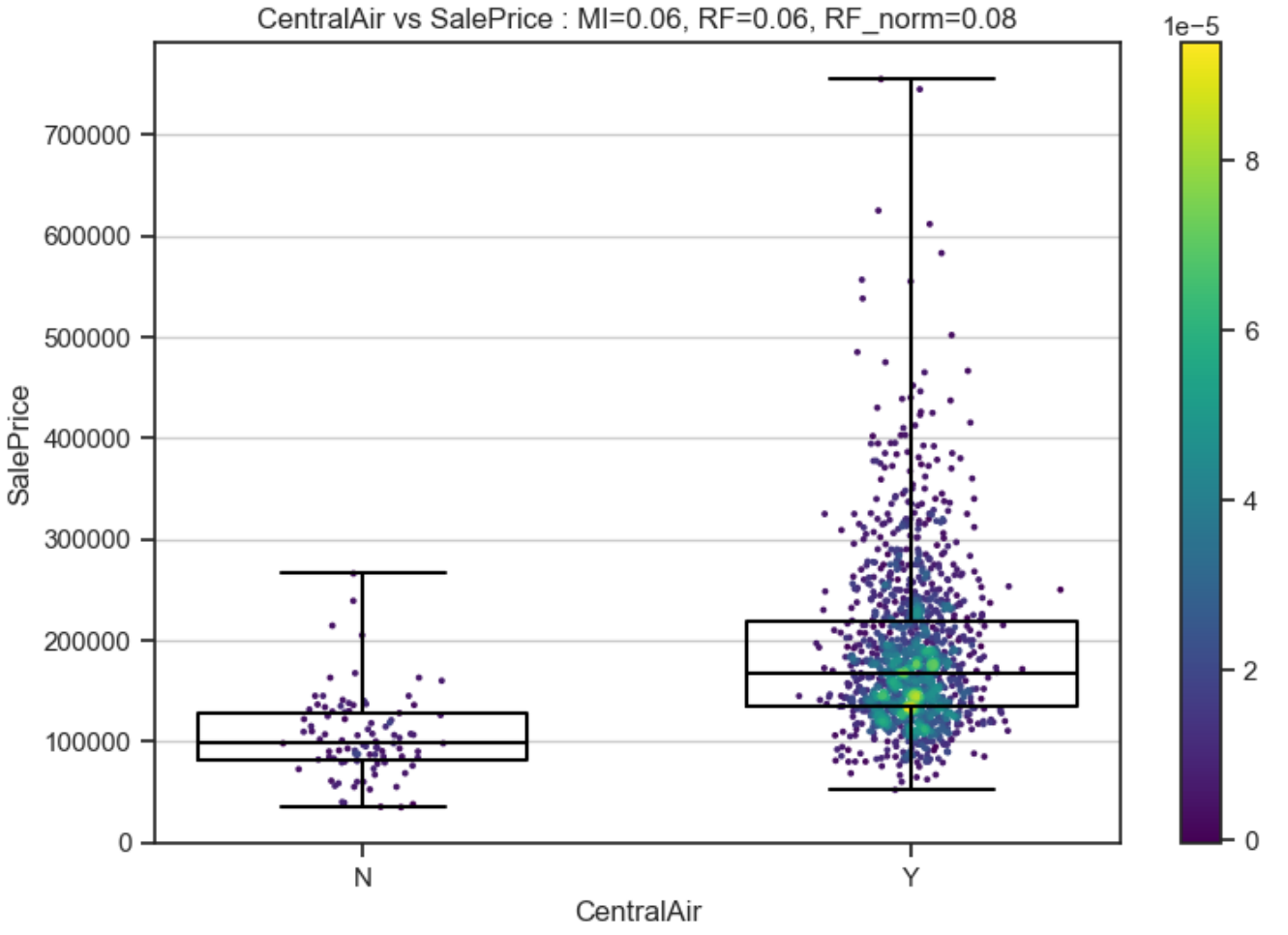

SaleCondition vs SalePrice : MI=0.09, RF=0.13, RF_norm=0.14
SalePrice
0
100000
200000
300000
400000
500000
600000
700000
AdjLand
Abnorml
Family
Alloca
Normal
Partial
SaleCondition
1e−5
0
1
2
3
4
5

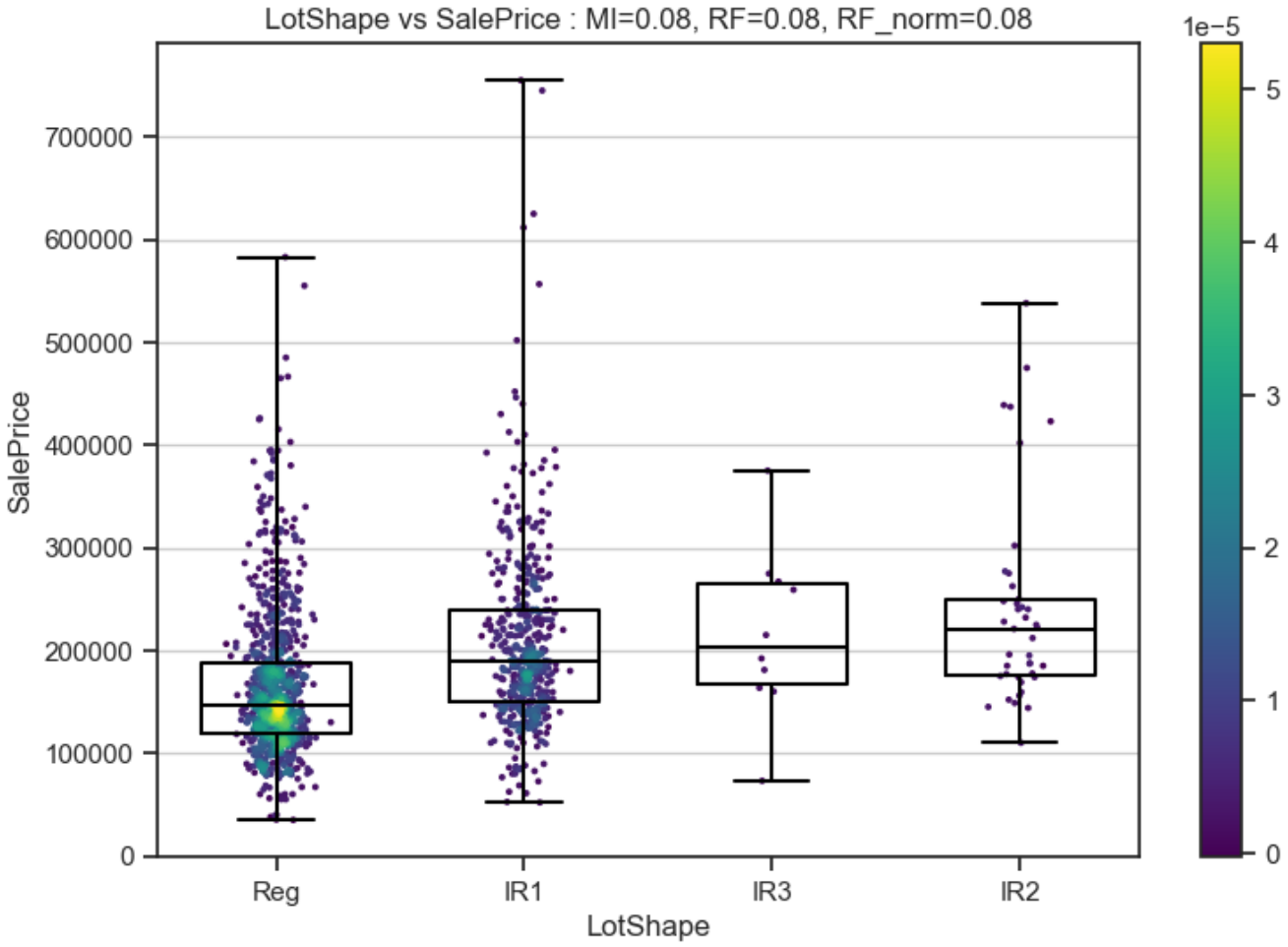

FireplaceQu vs SalePrice : MI=0.08, RF=0.11, RF_norm=0.12
SalePrice
100000
200000
300000
400000
500000
600000
700000
Po
Fa
TA
Gd
Ex
FireplaceQu
1e−5
0
1
2
3
4

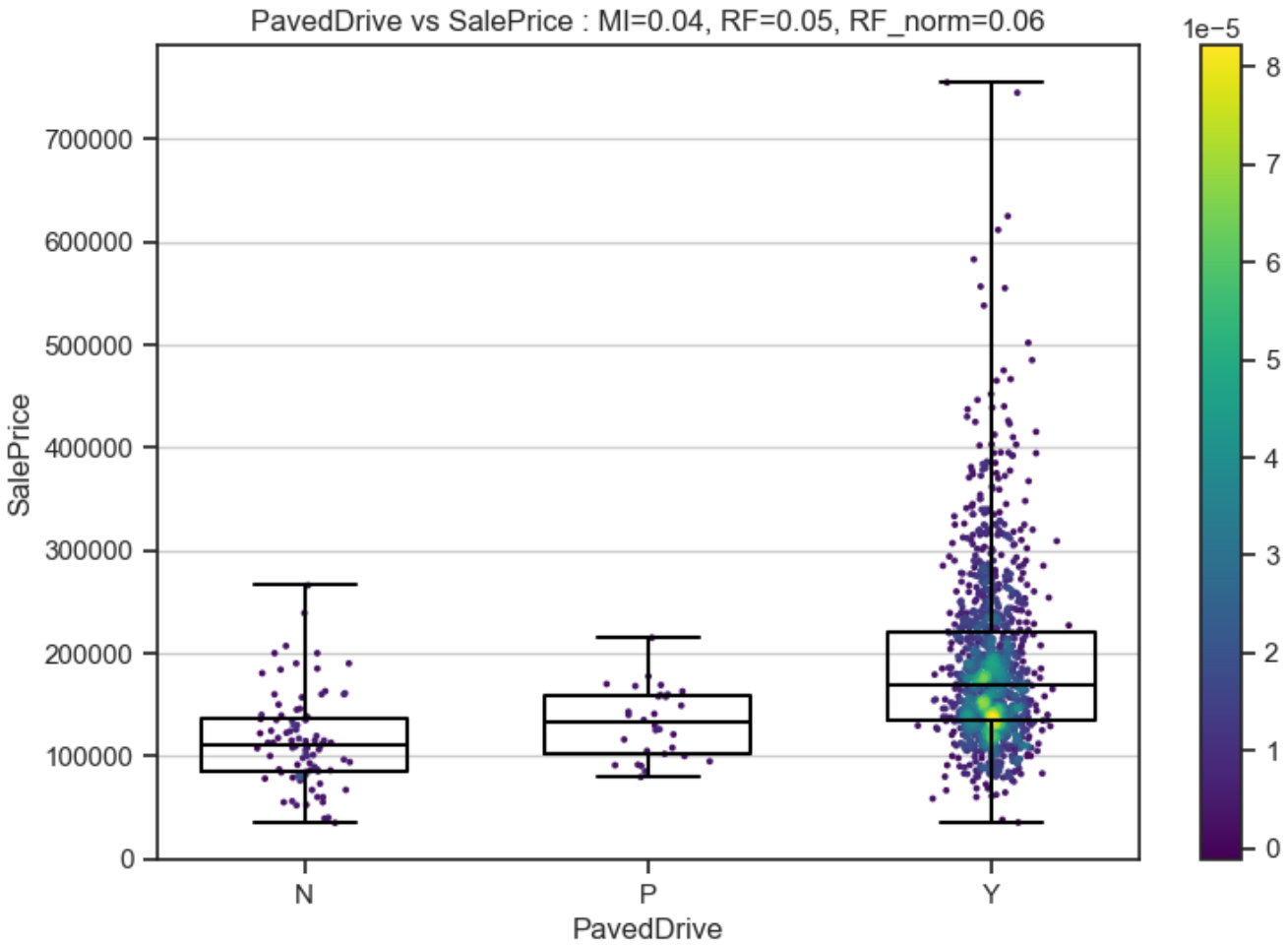

MSZoning vs SalePrice : MI=0.13, RF=0.11, RF_norm=0.11
SalePrice
0
100000
200000
300000
400000
500000
600000
700000
C (all)
RM
RH
RL
FV
MSZoning
1e−5
0
1
2
3
4
5

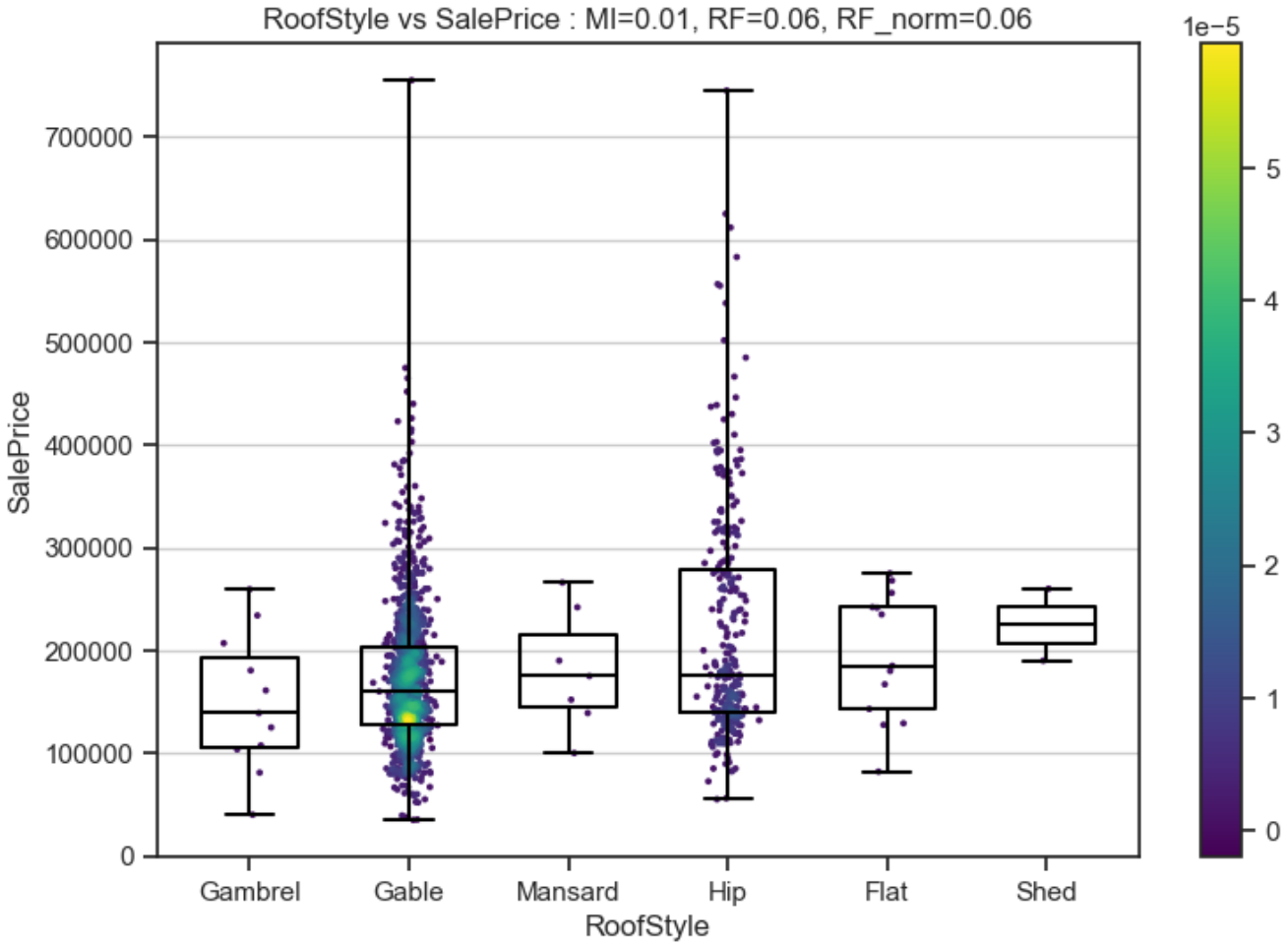

MasVnrType vs SalePrice : MI=0.06, RF=0.1, RF_norm=0.11
SalePrice
100000
200000
300000
400000
500000
600000
700000
BrkCmn
BrkFace
Stone
MasVnrType
1e−5
0
1
2
3
4
5
6
7

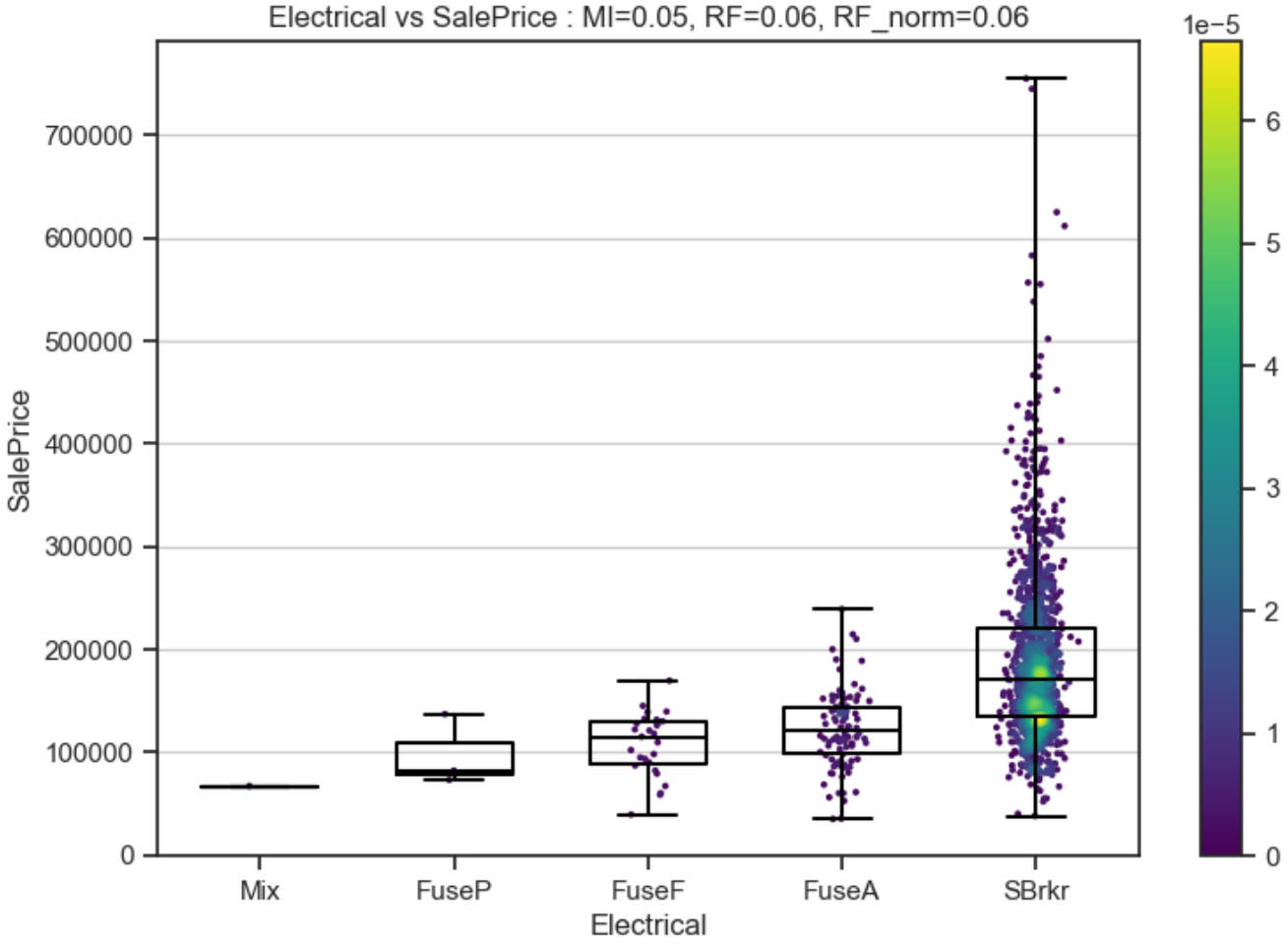

HouseStyle vs SalePrice : MI=0.09, RF=0.09, RF_norm=0.09
SalePrice
HouseStyle
1.5Unf
1.5Fin
2.5Unf
SFoyer
1Story
SLvl
2Story
2.5Fin
0
100000
200000
300000
400000
500000
600000
700000
1e−5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

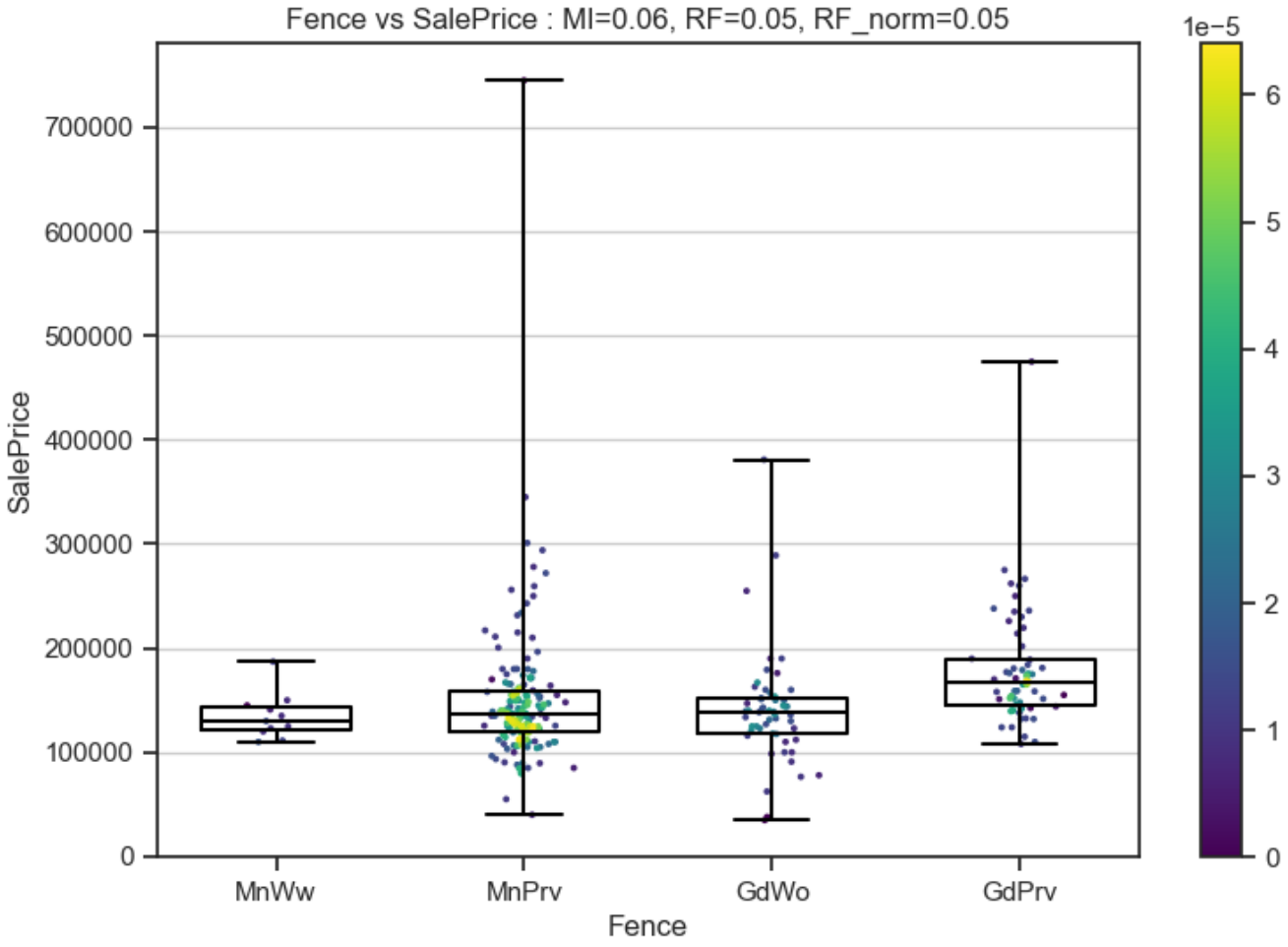

CentralAir vs SalePrice : MI=0.06, RF=0.06, RF_norm=0.08
SalePrice
CentralAir
N
Y
0
100000
200000
300000
400000
500000
600000
700000
1e−5
0
2
4
6
8

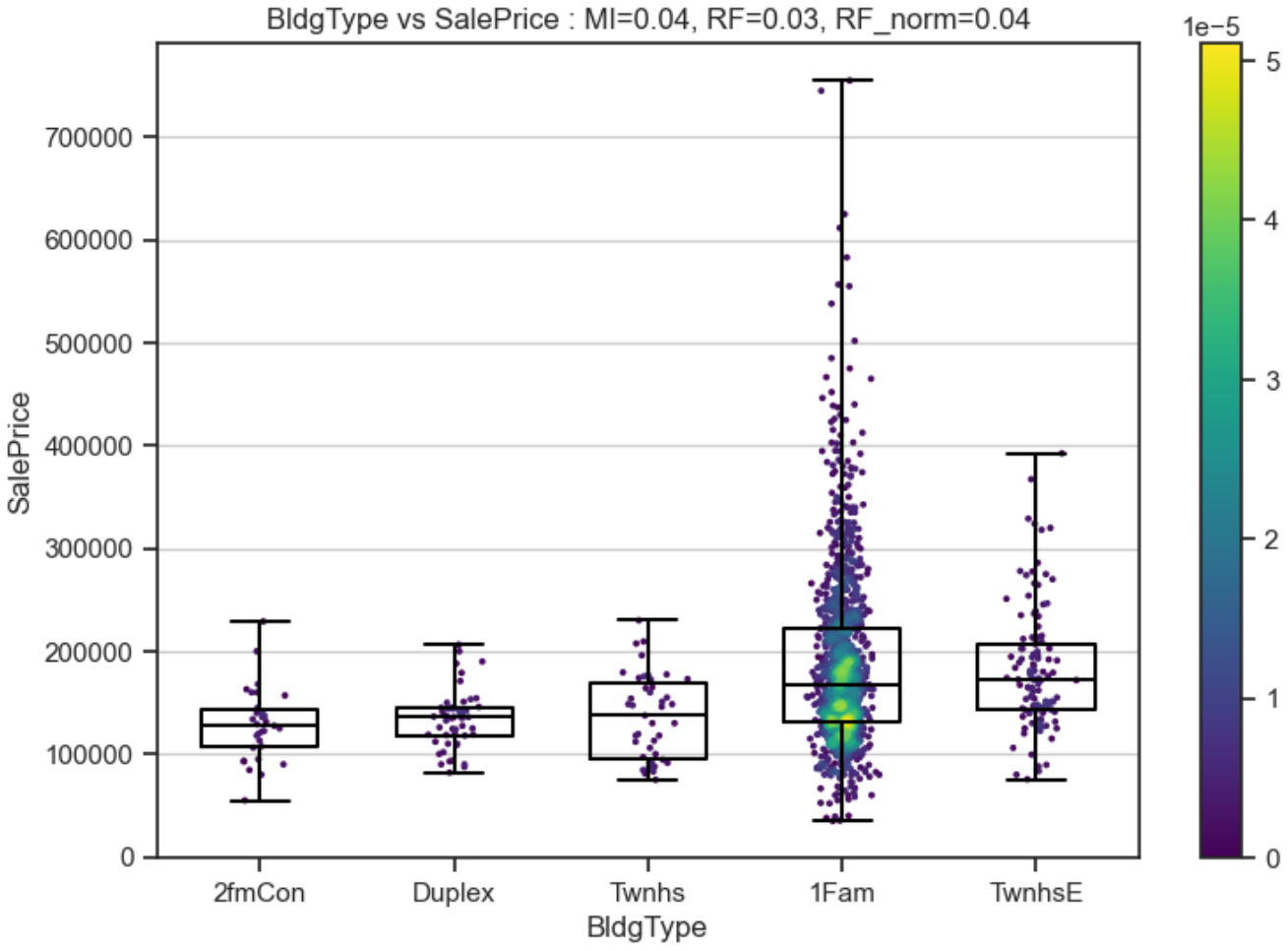

LotShape vs SalePrice : MI=0.08, RF=0.08, RF_norm=0.08
SalePrice
0
100000
200000
300000
400000
500000
600000
700000
Reg
IR1
IR3
IR2
LotShape
1e−5
0
1
2
3
4
5

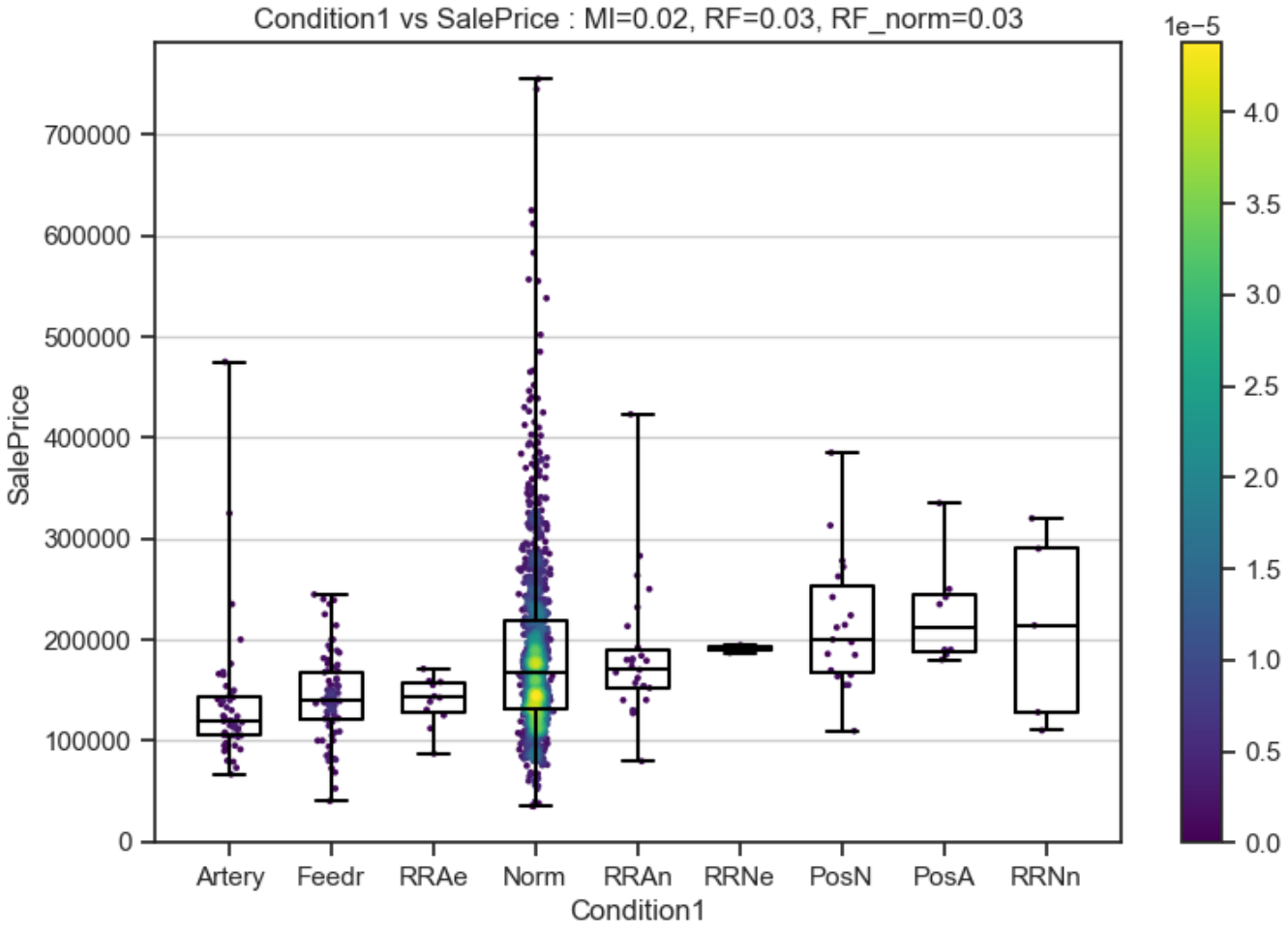

PavedDrive vs SalePrice : MI=0.04, RF=0.05, RF_norm=0.06
SalePrice
0
100000
200000
300000
400000
500000
600000
700000
N
P
Y
PavedDrive
1e−5
0
1
2
3
4
5
6
7
8

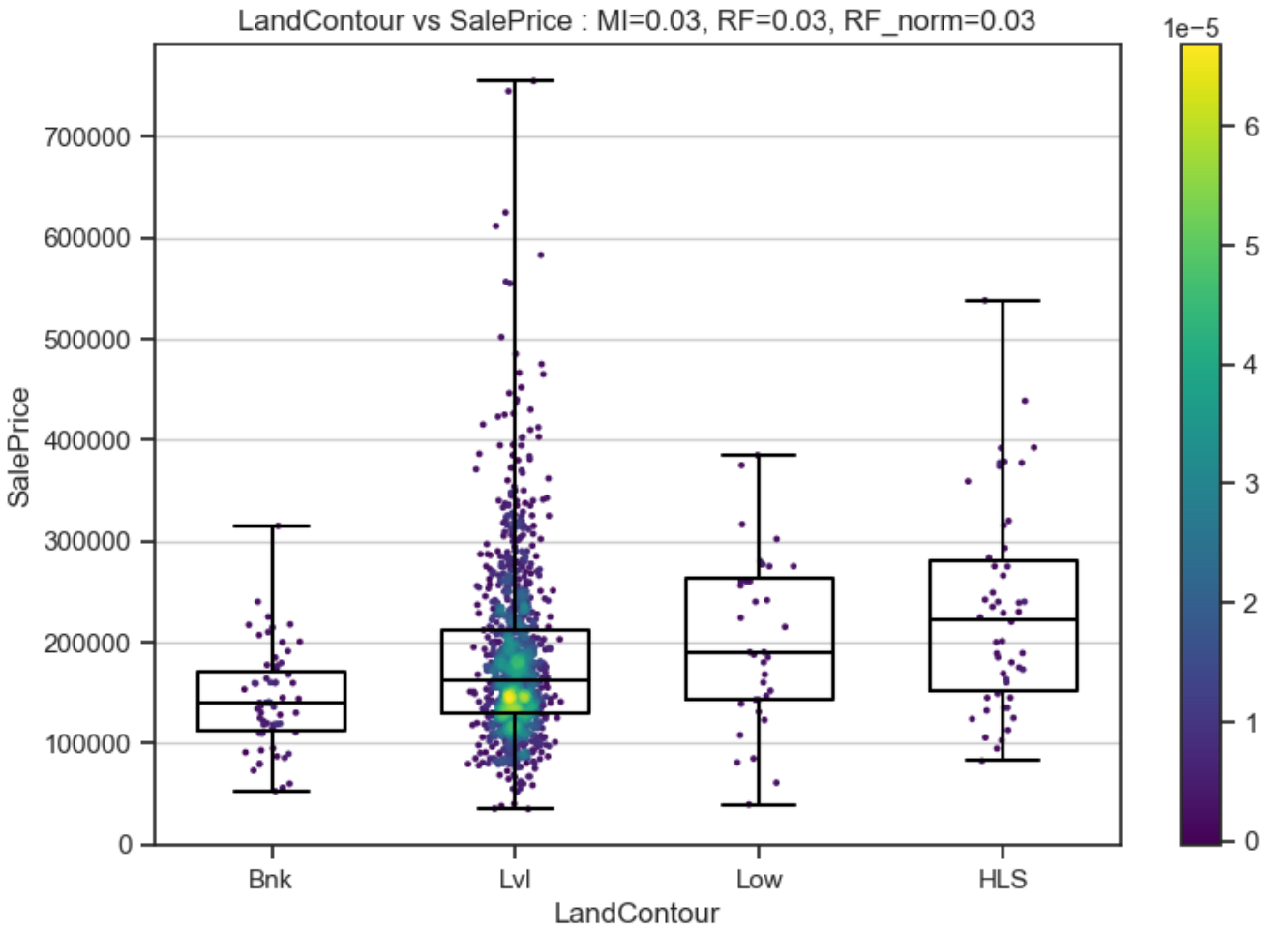

RoofStyle vs SalePrice : MI=0.01, RF=0.06, RF_norm=0.06
SalePrice
0
100000
200000
300000
400000
500000
600000
700000
Gambrel
Gable
Mansard
Hip
Flat
Shed
RoofStyle
1e−5
0
1
2
3
4
5

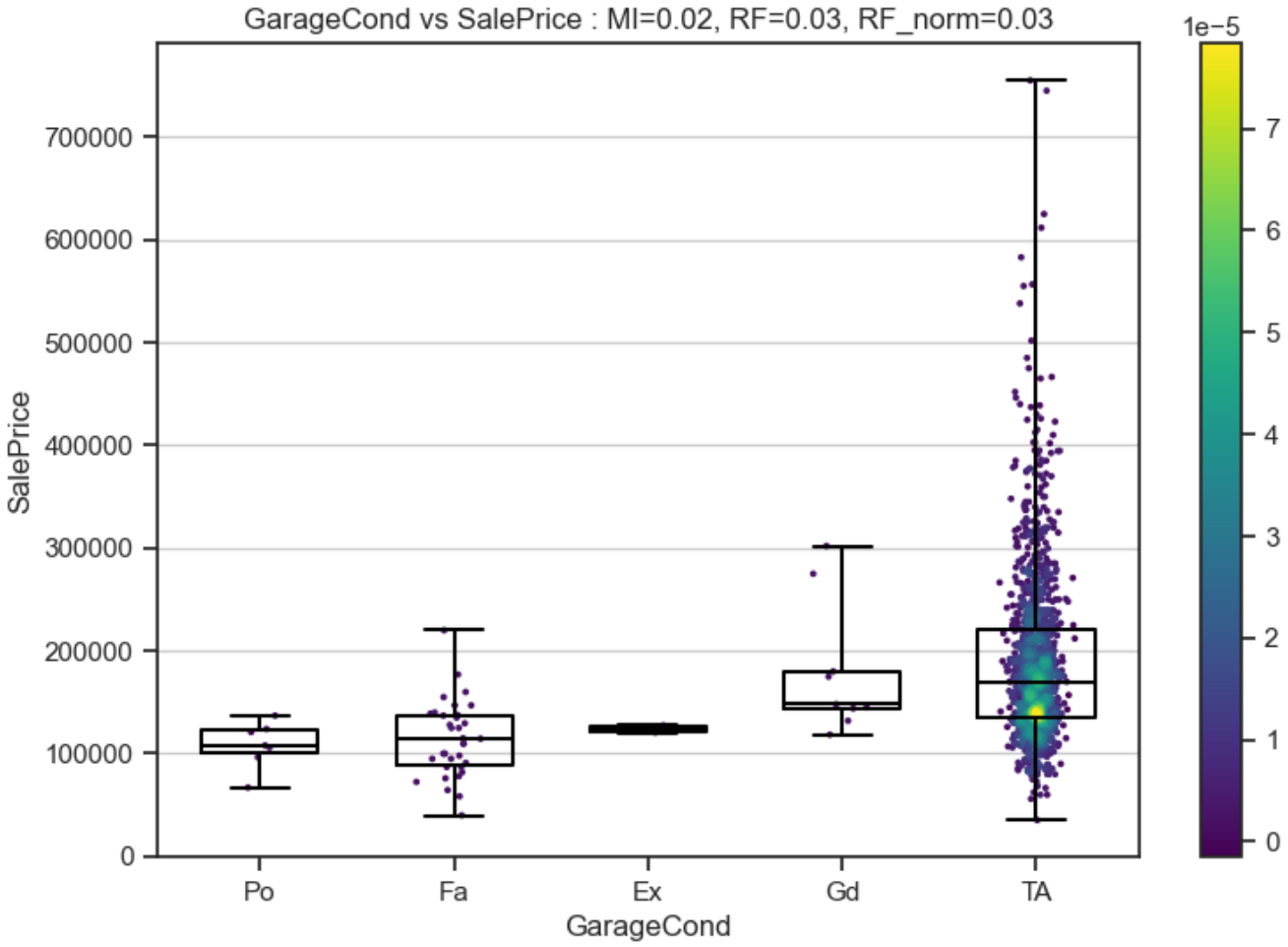

Electrical vs SalePrice : MI=0.05, RF=0.06, RF_norm=0.06
SalePrice
0
100000
200000
300000
400000
500000
600000
700000
Mix
FuseP
FuseF
FuseA
SBrkr
Electrical
1e−5
0
1
2
3
4
5
6

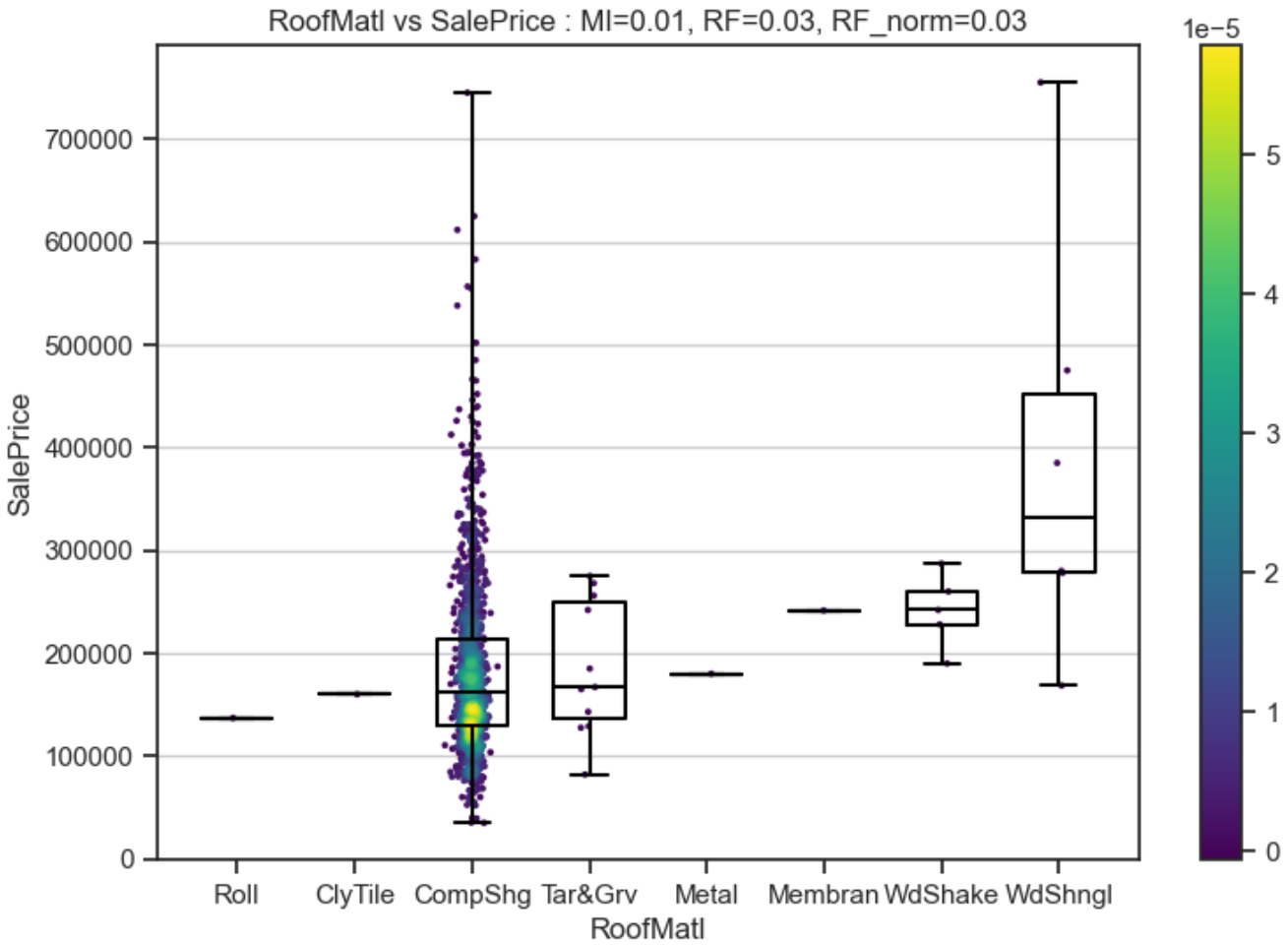

Fence vs SalePrice : MI=0.06, RF=0.05, RF_norm=0.05
SalePrice
0
100000
200000
300000
400000
500000
600000
700000
MnWw
MnPrv
GdWo
GdPrv
Fence
1e−5
0
1
2
3
4
5
6

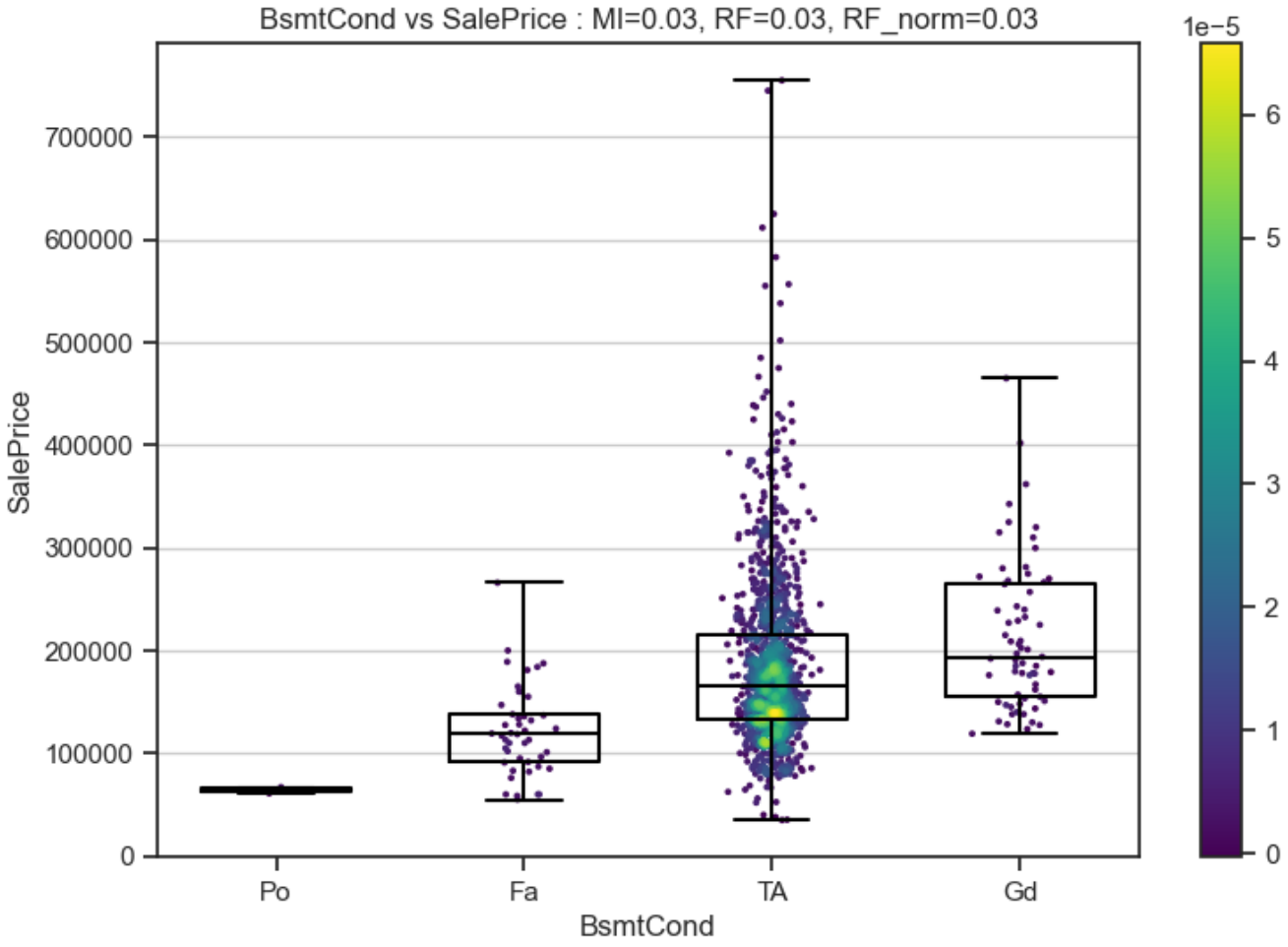

BldgType vs SalePrice : MI=0.04, RF=0.03, RF_norm=0.04
SalePrice
0
100000
200000
300000
400000
500000
600000
700000
2fmCon
Duplex
Twnhs
1Fam
TwnhsE
BldgType
1e−5
0
1
2
3
4
5

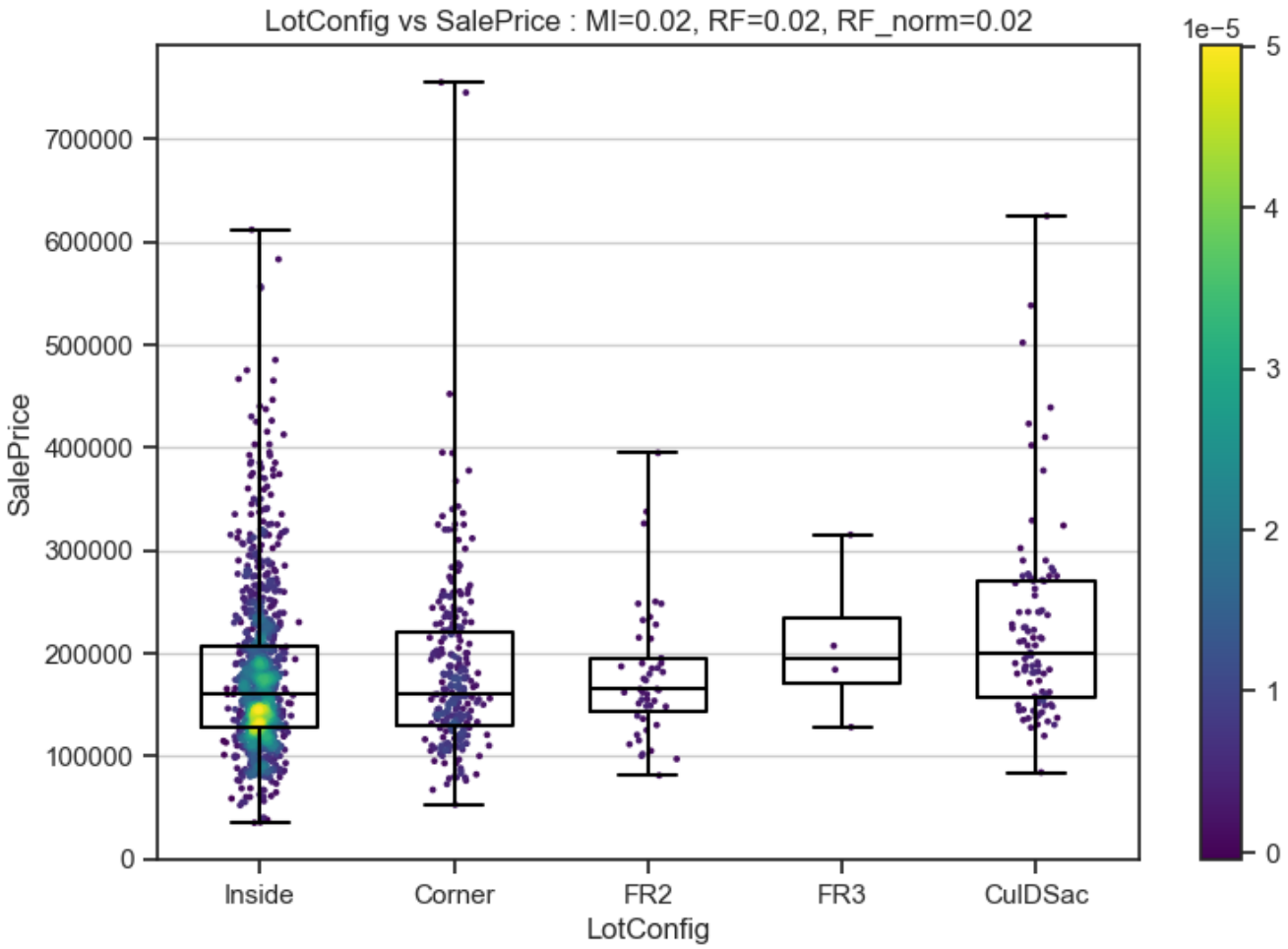

Condition1 vs SalePrice : MI=0.02, RF=0.03, RF_norm=0.03
SalePrice
0
100000
200000
300000
400000
500000
600000
700000
Artery
Feedr
RRAe
Norm
RRAn
RRNe
PosN
PosA
RRNn
Condition1
1e−5
0.0
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0

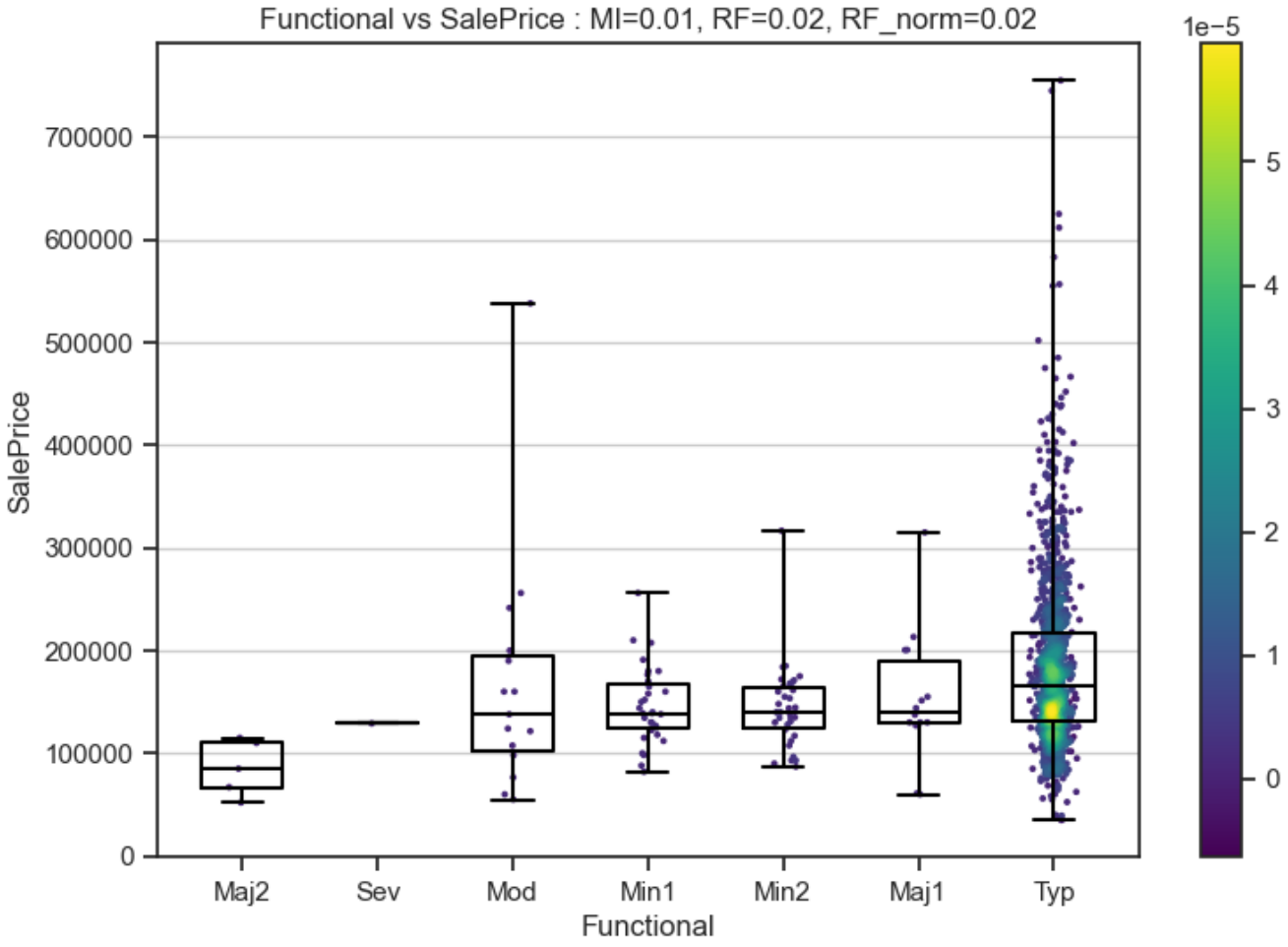

LandContour vs SalePrice : MI=0.03, RF=0.03, RF_norm=0.03
SalePrice
0
100000
200000
300000
400000
500000
600000
700000
Bnk
Lvl
Low
HLS
LandContour
1e−5
0
1
2
3
4
5
6

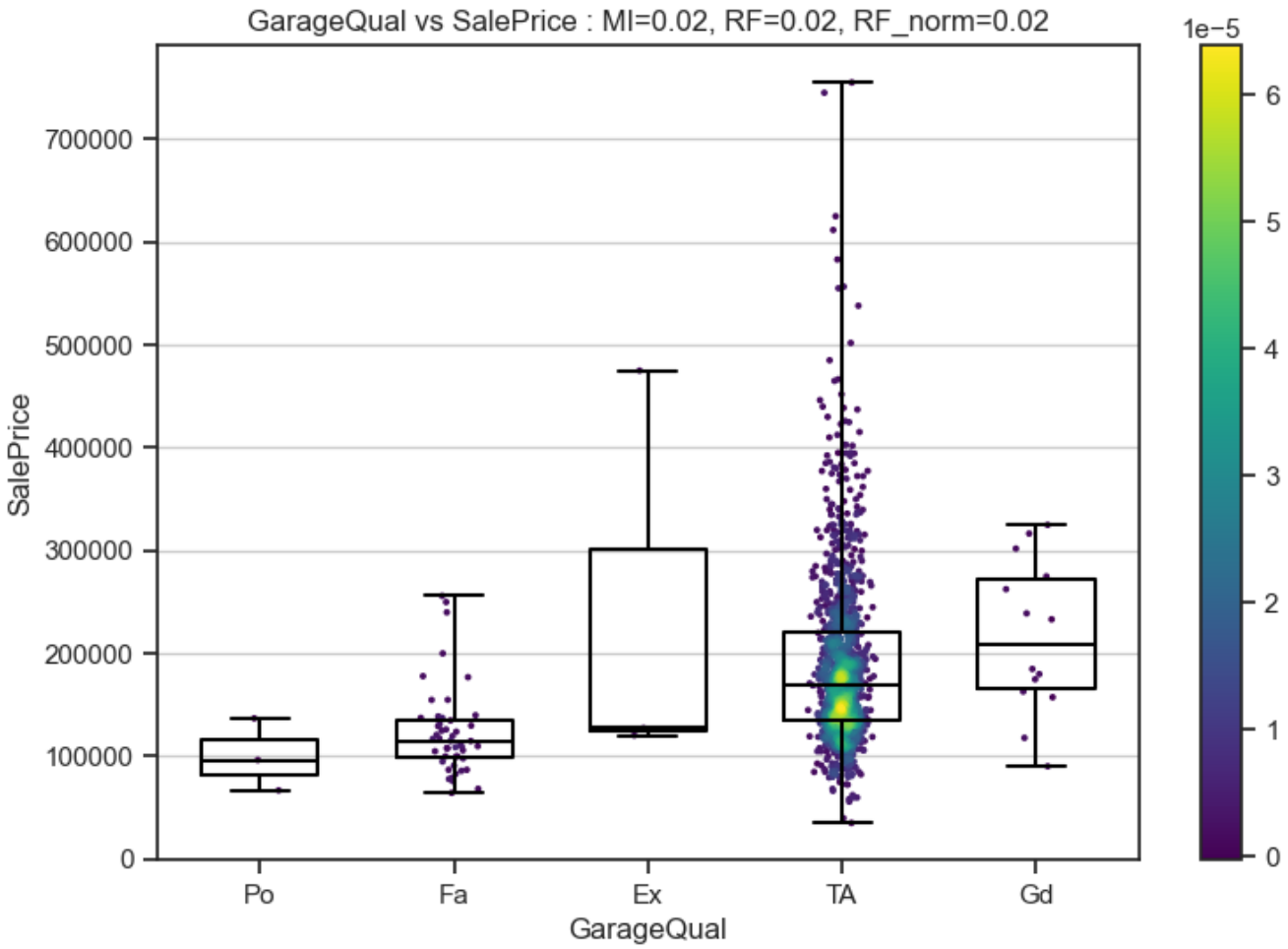

GarageCond vs SalePrice : MI=0.02, RF=0.03, RF_norm=0.03
SalePrice
GarageCond
Po
Fa
Ex
Gd
TA
0
100000
200000
300000
400000
500000
600000
700000
1e−5
0
1
2
3
4
5
6
7

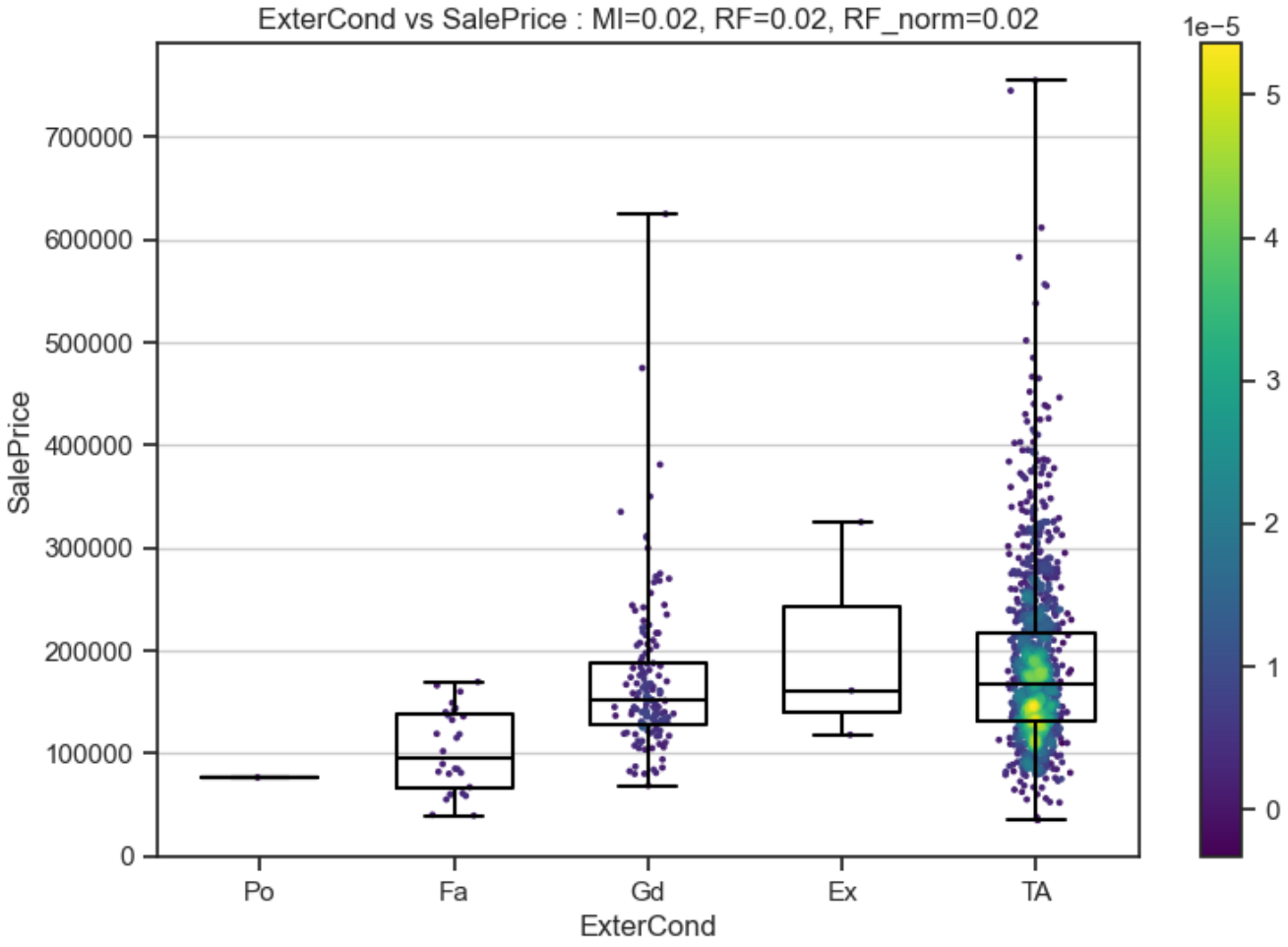

RoofMatl vs SalePrice : MI=0.01, RF=0.03, RF_norm=0.03
SalePrice
RoofMatl
Roll
ClyTile
CompShg
Tar&Grv
Metal
Membran
WdShake
WdShngl
0
100000
200000
300000
400000
500000
600000
700000
1e−5
0
1
2
3
4
5

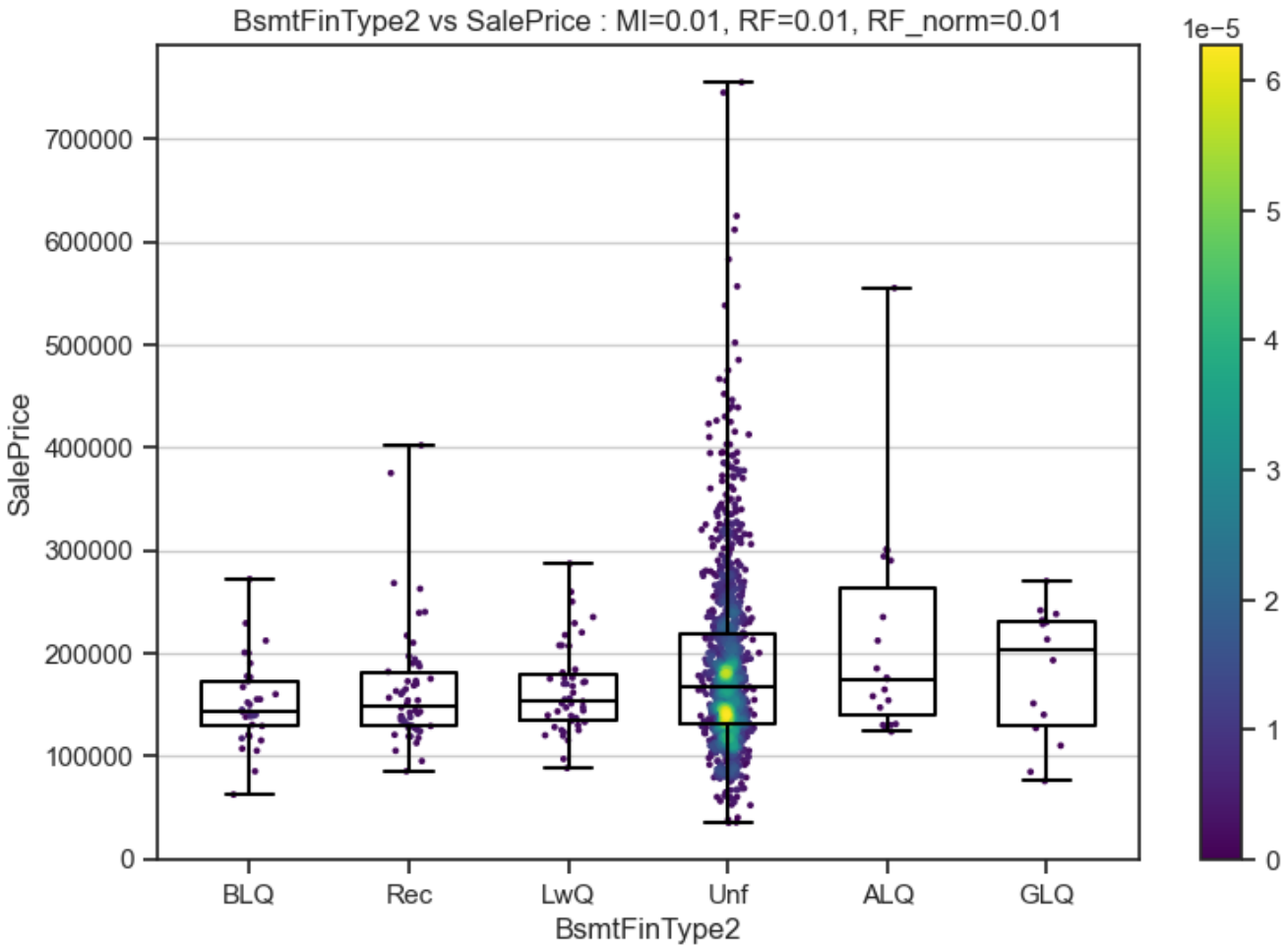

BsmtCond vs SalePrice : MI=0.03, RF=0.03, RF_norm=0.03
SalePrice
BsmtCond
Po
Fa
TA
Gd
0
100000
200000
300000
400000
500000
600000
700000
1e−5
0
1
2
3
4
5
6

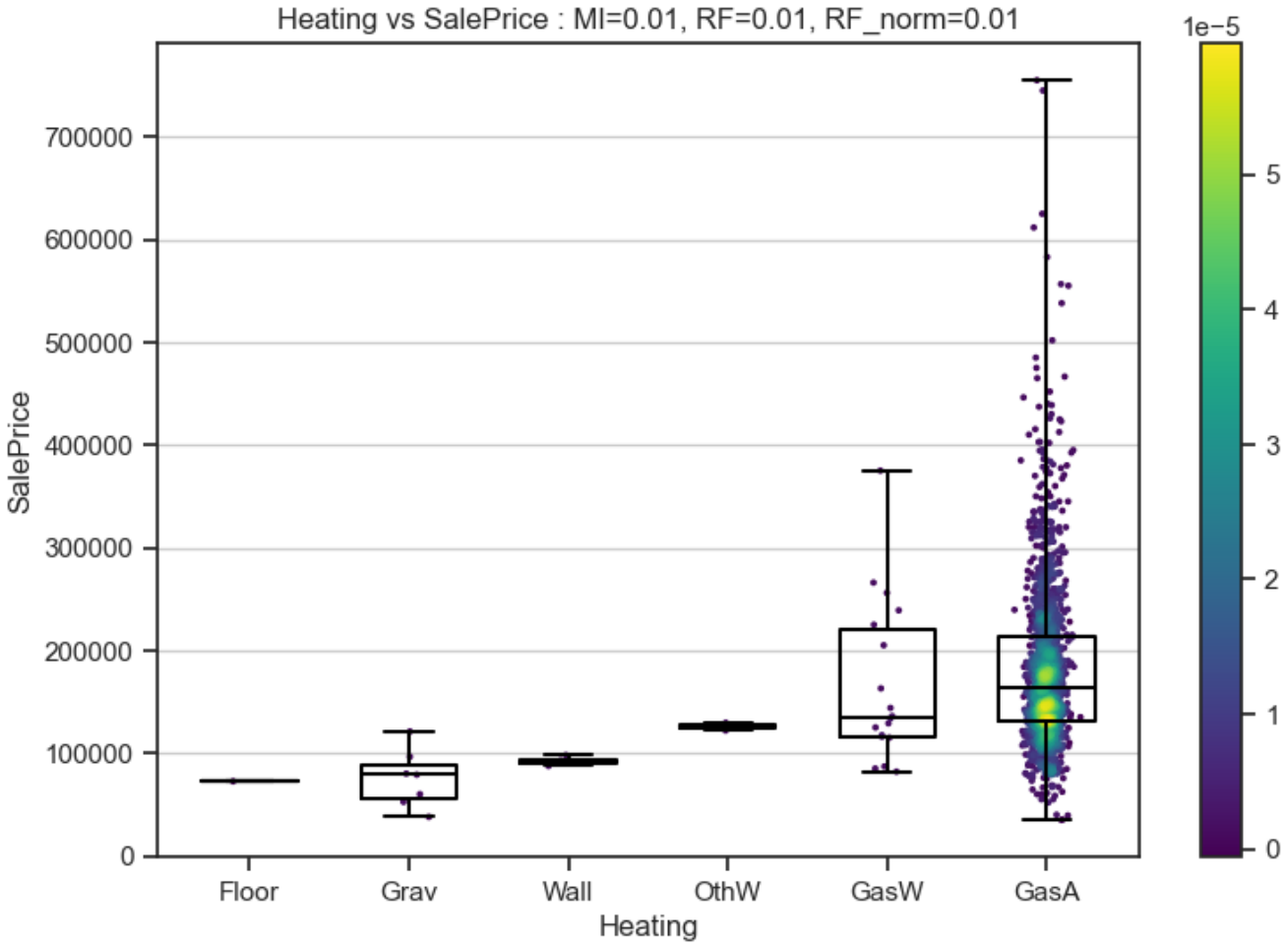

LotConfig vs SalePrice : MI=0.02, RF=0.02, RF_norm=0.02
SalePrice
LotConfig
Inside
Corner
FR2
FR3
CulDSac
0
100000
200000
300000
400000
500000
600000
700000
1e−5
0
1
2
3
4
5

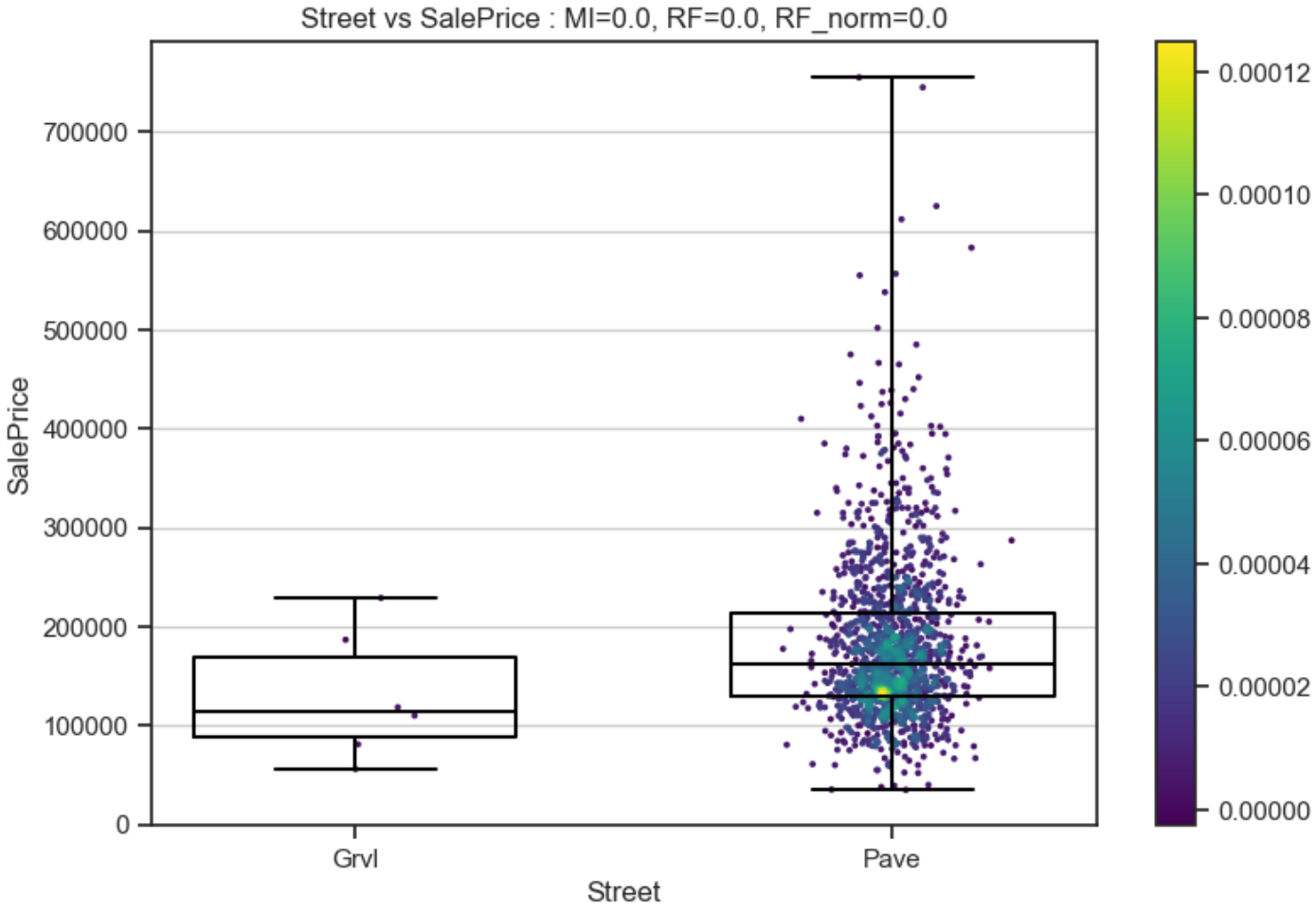

Functional vs SalePrice : MI=0.01, RF=0.02, RF_norm=0.02
SalePrice
0
100000
200000
300000
400000
500000
600000
700000
Maj2
Sev
Mod
Min1
Min2
Maj1
Typ
Functional
1e−5
0
1
2
3
4
5

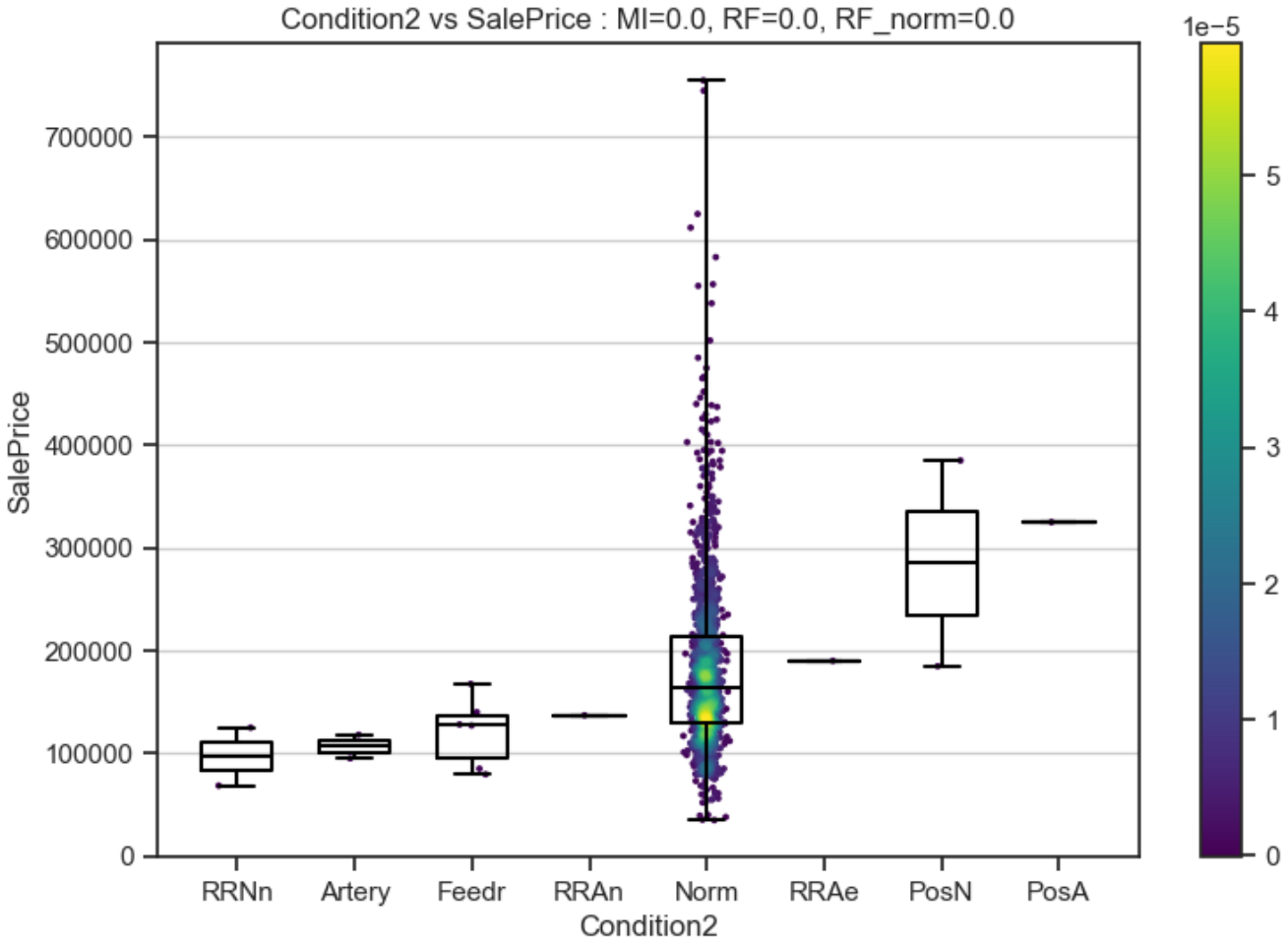

GarageQual vs SalePrice : MI=0.02, RF=0.02, RF_norm=0.02
SalePrice
0
100000
200000
300000
400000
500000
600000
700000
Po
Fa
Ex
TA
Gd
GarageQual
1e−5
0
1
2
3
4
5
6

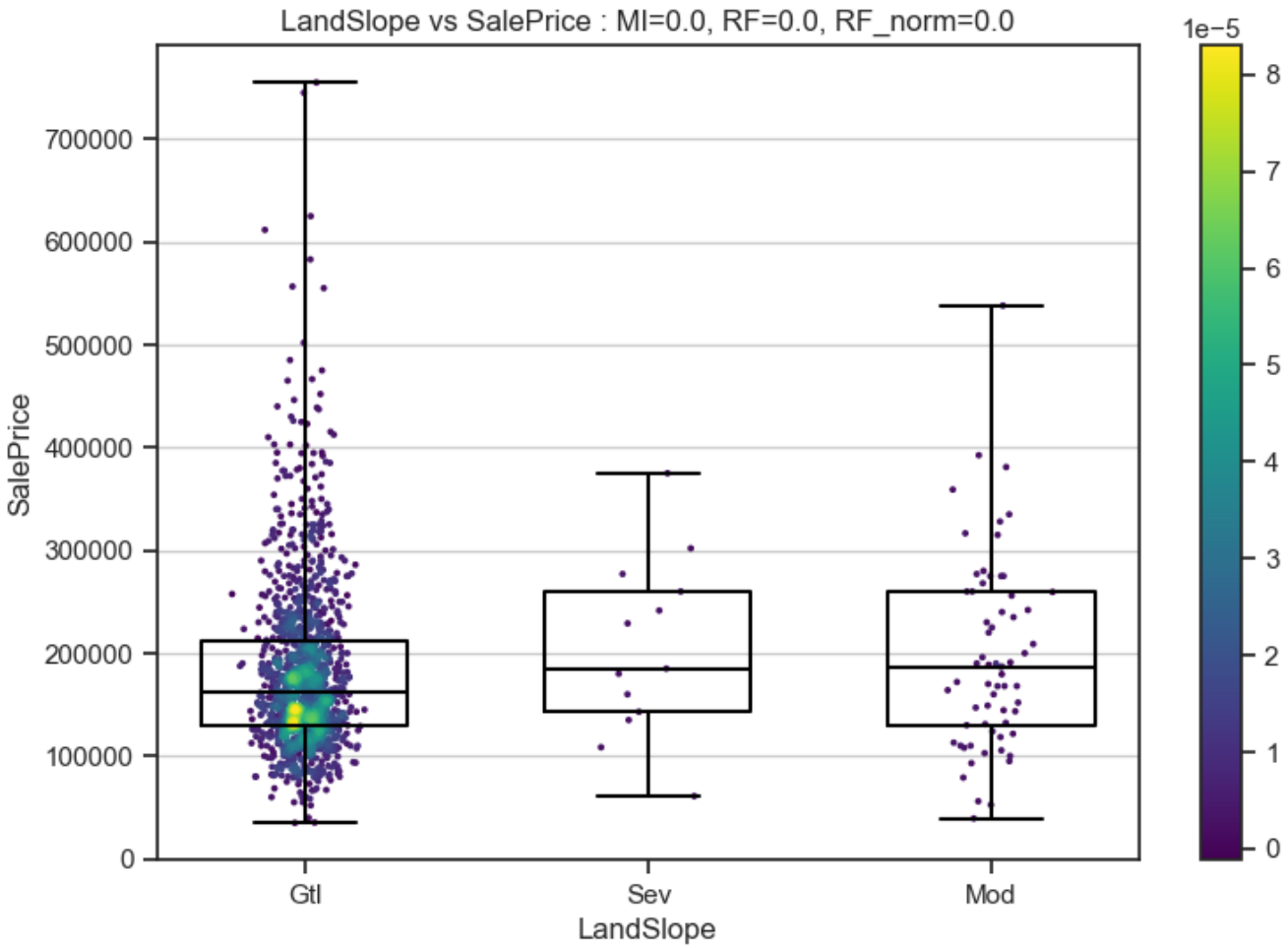

ExterCond vs SalePrice : MI=0.02, RF=0.02, RF_norm=0.02
SalePrice
0
100000
200000
300000
400000
500000
600000
700000
Po
Fa
Gd
Ex
TA
ExterCond
1e−5
0
1
2
3
4
5

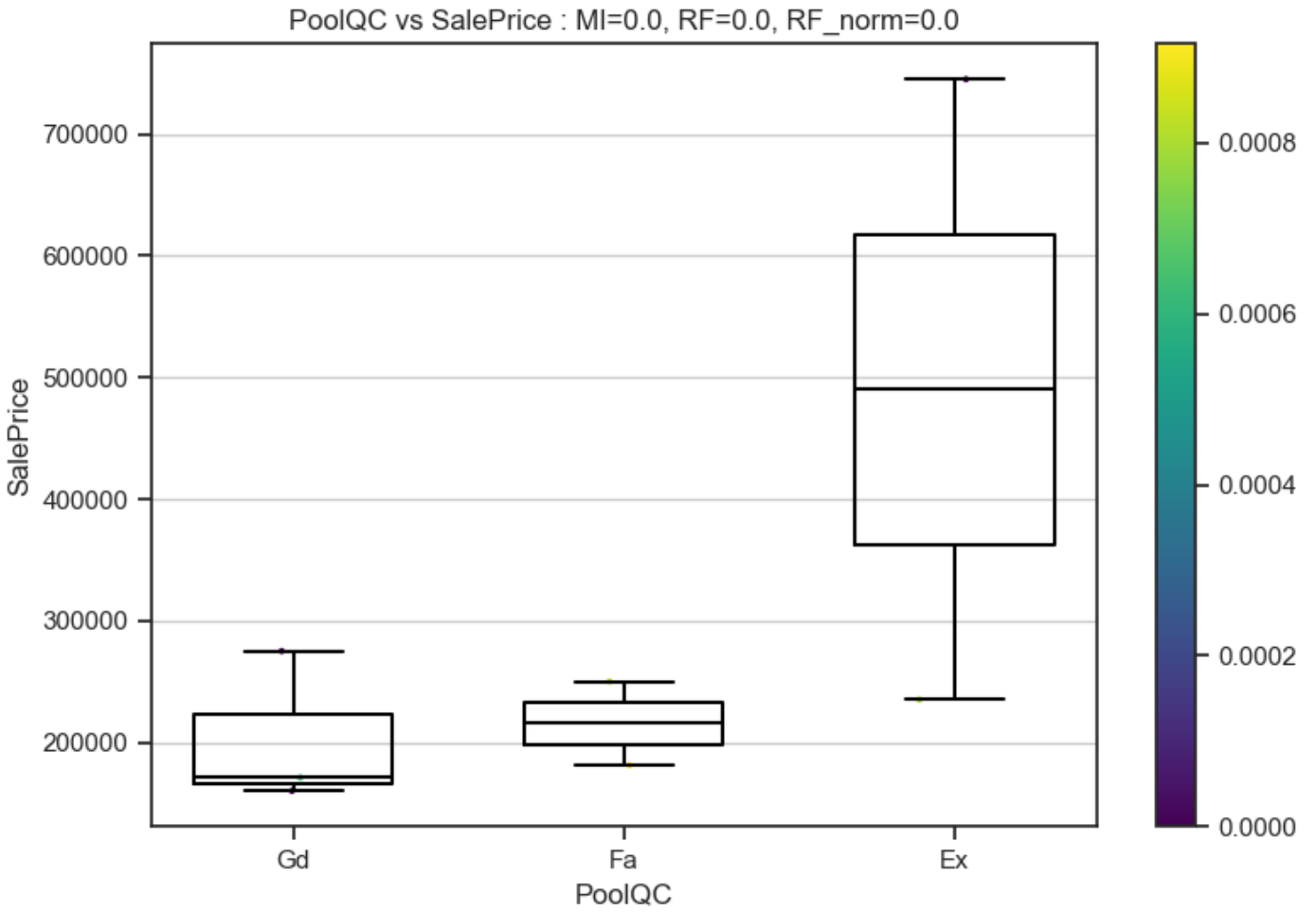

BsmtFinType2 vs SalePrice : MI=0.01, RF=0.01, RF_norm=0.01
SalePrice
0
100000
200000
300000
400000
500000
600000
700000
BLQ
Rec
LwQ
Unf
ALQ
GLQ
BsmtFinType2
1e−5
0
1
2
3
4
5
6

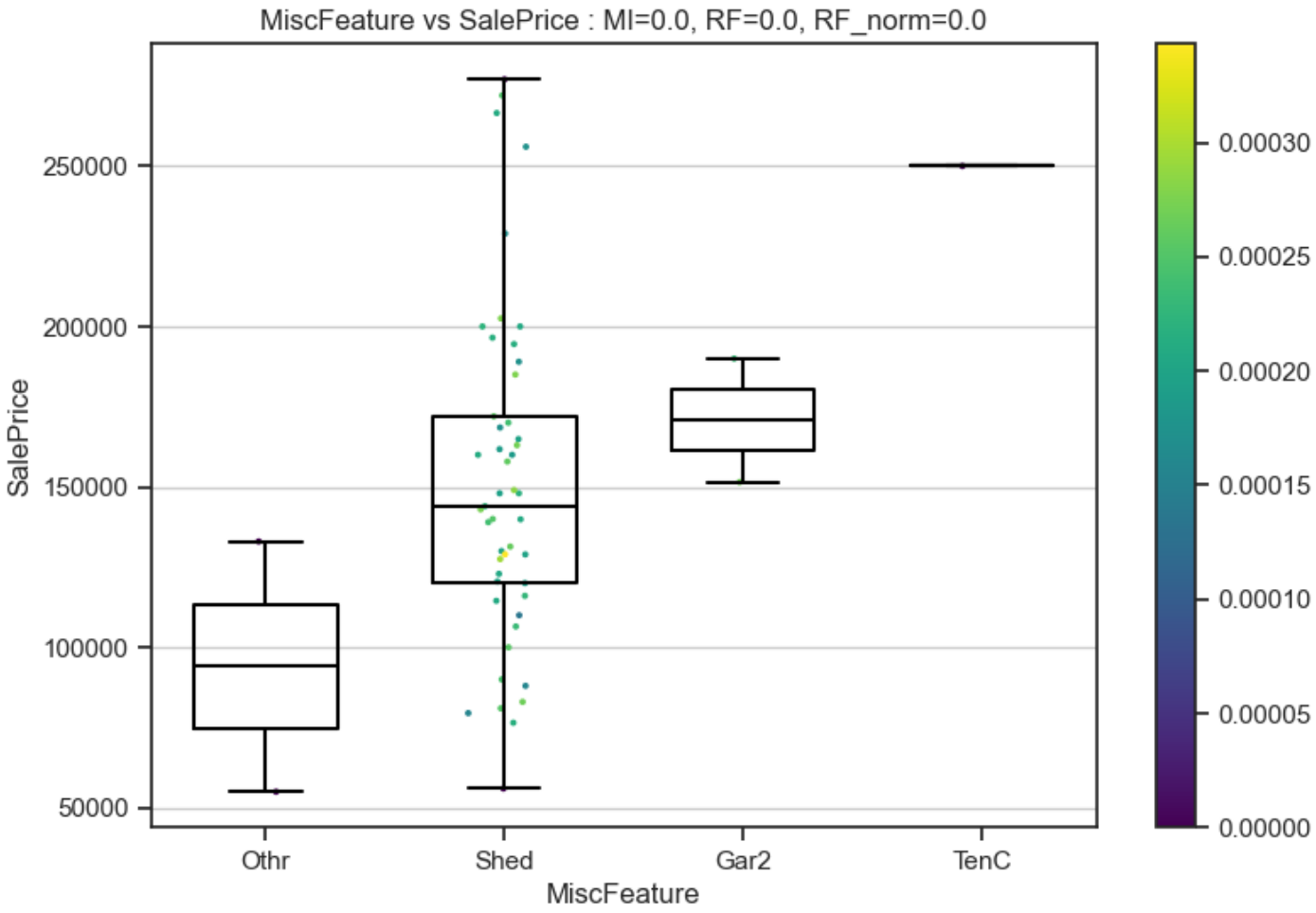

Heating vs SalePrice : MI=0.01, RF=0.01, RF_norm=0.01
SalePrice
0
100000
200000
300000
400000
500000
600000
700000
Floor
Grav
Wall
OthW
GasW
GasA
Heating
1e−5
0
1
2
3
4
5

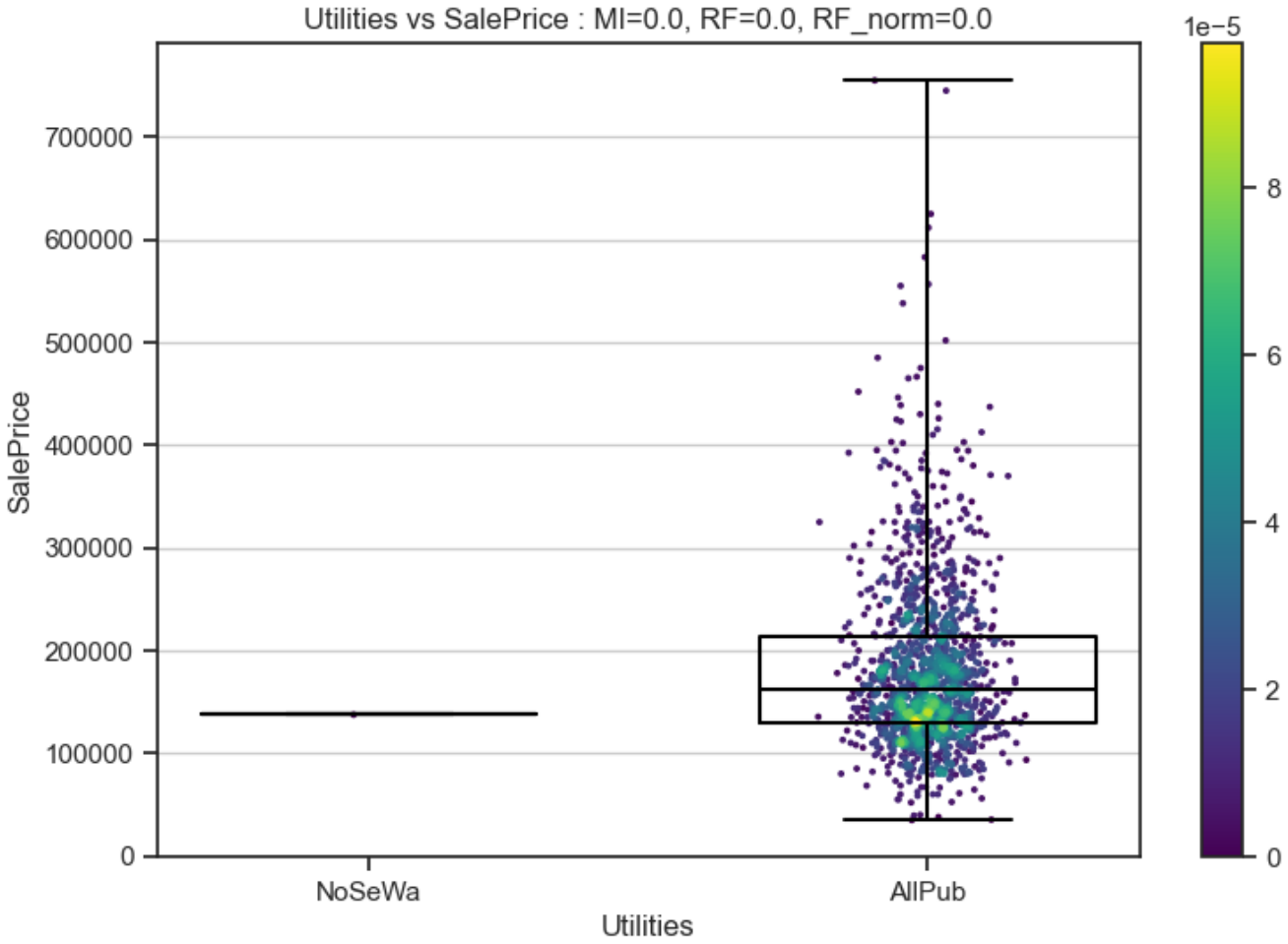

Street vs SalePrice : MI=0.0, RF=0.0, RF_norm=0.0
SalePrice
0
100000
200000
300000
400000
500000
600000
700000
Grvl
Pave
Street
0.00000
0.00002
0.00004
0.00006
0.00008
0.00010
0.00012


Condition2 vs SalePrice : MI=0.0, RF=0.0, RF_norm=0.0
SalePrice
0
100000
200000
300000
400000
500000
600000
700000
RRNn
Artery
Feedr
RRAn
Norm
RRAe
PosN
PosA
Condition2
1e−5
0
1
2
3
4
5


LandSlope vs SalePrice : MI=0.0, RF=0.0, RF_norm=0.0
SalePrice
0
100000
200000
300000
400000
500000
600000
700000
Gtl
Sev
Mod
LandSlope
1e−5
0
1
2
3
4
5
6
7
8


PoolQC vs SalePrice : MI=0.0, RF=0.0, RF_norm=0.0
SalePrice
700000
600000
500000
400000
300000
200000
Gd
Fa
Ex
PoolQC
0.0008
0.0006
0.0004
0.0002
0.0000


MiscFeature vs SalePrice : MI=0.0, RF=0.0, RF_norm=0.0
SalePrice
250000
200000
150000
100000
50000
Othr
Shed
Gar2
TenC
MiscFeature
0.00030
0.00025
0.00020
0.00015
0.00010
0.00005
0.00000


Utilities vs SalePrice : MI=0.0, RF=0.0, RF_norm=0.0
SalePrice
700000
600000
500000
400000
300000
200000
100000
0
NoSeWa
AllPub
Utilities
1e−5
8
6
4
2
0