

Ground water level		
Actuals	Estimates	Q
Observed	-0.25	-1.22 -1.91 0.994
VALUE	0.00	0.00 -0.00 -0.000
VALUE*2	-0.00	-0.00 -0.00 -0.000
VALUE*3	0.00	0.00 -0.00 -0.002
standard	18.57	12.52 -20.02 -0.000
Observations	4628	
R / R <sup>2</sup> adjusted	0.001 / 0.000	

### Section - 1 : Summary

Serial Number	Actual Property	Variable Under Consideration	N (Number of observations)	Minimum	1st Quartile	Median	Mean	3rd Quartile	Maximum	Standard Deviation	Skewness
1	Ground Water Level Value	Ground_water_level	4628	0.01879	4.53929	6.3928	8.80184	10.18667	128.325	8.072624	3.755779
2	Gini Value	ginivalue	4628	0.16	0.23	0.26	0.27	0.31	0.48	0.05733698	0.7475066
3	SDP Value	VALUE	4628	10229	246915	461592	537201	749952	1782903	380540.7	1.043587

### Section - 2 : Histograms

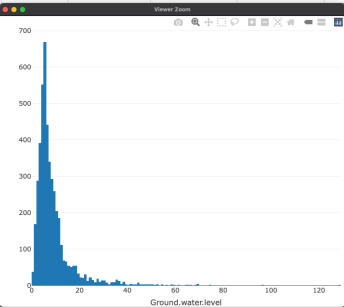


Fig 1.1 - Histogram for Variable Ground\_water\_level

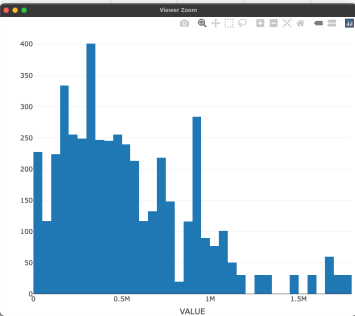


Fig 1.2 - Histogram for Variable VALUE (sdpValue)

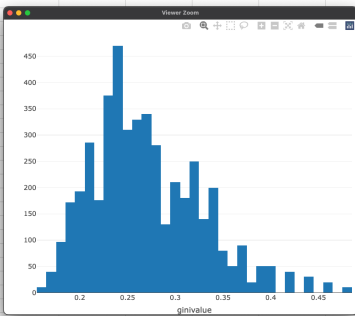


Fig 1.3 - Histogram for Variable giniValue

### Section - 3 : BoxPlots

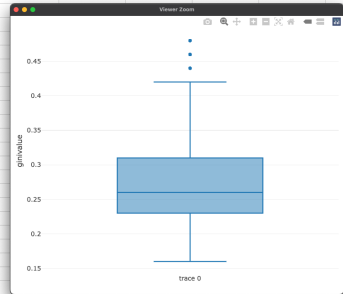
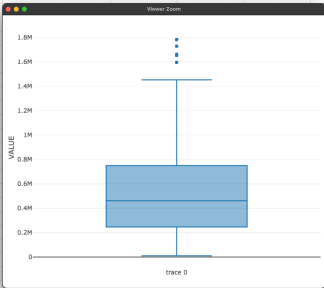
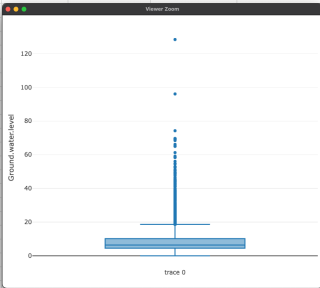


Fig 2.1 - BoxPlot for Variable Ground.water.level

Section - 4 : Shape of Distribution

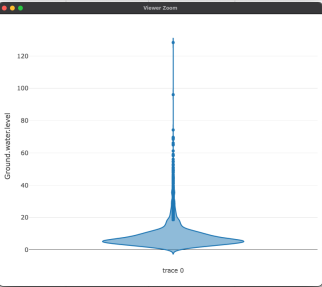


Fig 3.1 - Shape of Distribution for Variable Ground.water.level

Section - 5 : Outliers

For Finding Outliers, We use the following logic that the

Lower Outlier       $Q1 - 1.5 \times IQR$   
Upper Outlier       $Q3 + 1.5 \times IQR$   
  
where IQR           $Q3 - Q1$   
Q3                  3rd Quartile  
Q1                  1st Quartile

For Ground.Water.Level

Lower Outlier      -3.931786  
Upper Outlier      18.65774  
  
where IQR          5.647381  
Q3                  10.18667  
Q1                  4.539286  
  
Number of Outliers      361

Section - 5 : Interpretations (Visual Analysis)

For the GiniValue : Visual Analysis of the Box plot suggests that some outliers exists in ginivalues which are near 0.45-0.52. This can be attested from the Histogram as well.  
For the SDPValue : Visual analysis of the box plot suggests that some outliers exists but are not at the extreme end but are much larger than most of the values  
For the Ground.Water.Value : Visual Analysis of the box plot and the Shape suggests that there are many outliers as compared to others and most of them are on the higher side of the range.

Fig 2.2 - BoxPlot for Variable VALUE (sdpValue)

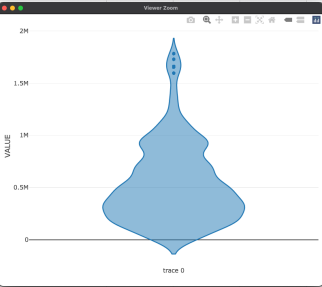


Fig 3.2 - Shape of Distribution for Variable VALUE (sdpValue)

For VALUE(sdpValue)

Lower Outlier      -507640.5  
Upper Outlier      1504508  
  
where IQR          503037  
Q3                  749952  
Q1                  246915  
  
Number of Outliers      150

Fig 2.3 - BoxPlot for Variable giniValue

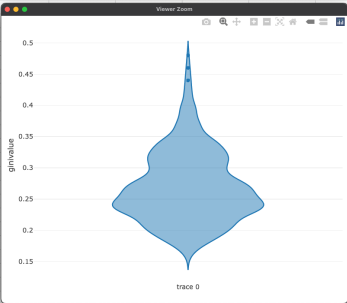


Fig 3.3 - Shape of Distribution for Variable giniValue

For giniValue

Lower Outlier      0.11  
Upper Outlier      0.43  
  
where IQR          0.08  
Q3                  0.31  
Q1                  0.23  
  
Number of Outliers      60