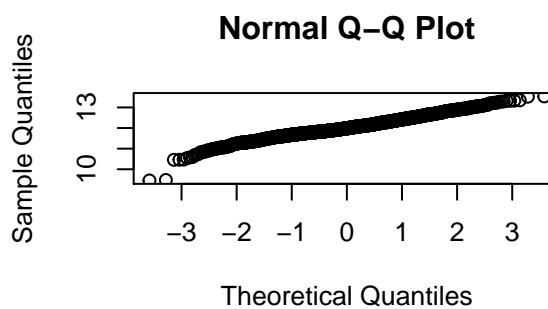
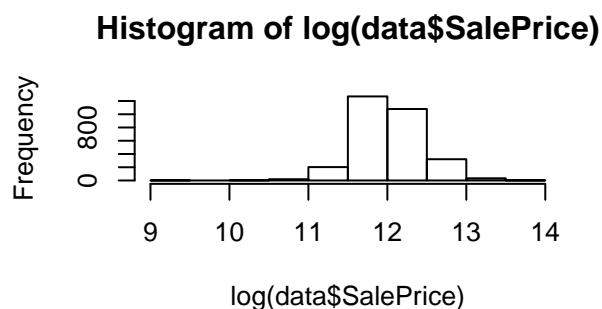
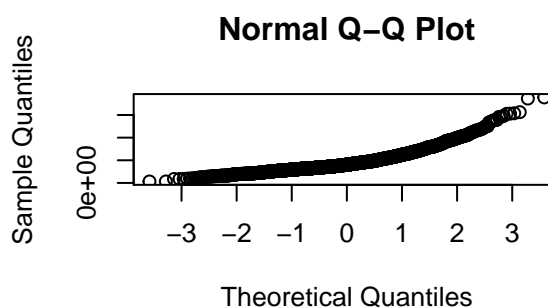
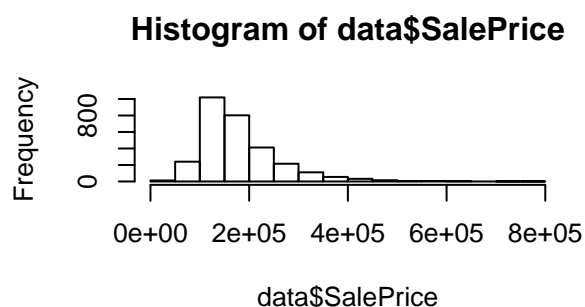


Ames Housing EDA and Cleaning

Joel Bracken



```
## [1] "PID" "MS.SubClass" "MS.Zoning"
## [4] "Lot.Frontage" "Lot.Area" "Street"
## [7] "Alley" "Lot.Shape" "Land.Contour"
## [10] "Utilities" "Lot.Config" "Land.Slope"
## [13] "Neighborhood" "Condition.1" "Condition.2"
## [16] "Bldg.Type" "House.Style" "Overall.Qual"
## [19] "Overall.Cond" "Year.Built" "Year.Remod.Add"
## [22] "Roof.Style" "Roof.Mat1" "Exterior.1st"
## [25] "Exterior.2nd" "Mas.Vnr.Type" "Mas.Vnr.Area"
## [28] "Exter.Qual" "Exter.Cond" "Foundation"
## [31] "Bsmt.Qual" "Bsmt.Cond" "Bsmt.Exposure"
## [34] "BsmtFin.Type.1" "BsmtFin.SF.1" "BsmtFin.Type.2"
## [37] "BsmtFin.SF.2" "Bsmt.Unf.SF" "Total.Bsmt.SF"
## [40] "Heating" "Heating.QC" "Central.Air"
## [43] "Electrical" "X1st.Flr.SF" "X2nd.Flr.SF"
## [46] "Low.Qual.Fin.SF" "Gr.Liv.Area" "Bsmt.Full.Bath"
## [49] "Bsmt.Half.Bath" "Full.Bath" "Half.Bath"
## [52] "Bedroom.AbvGr" "Kitchen.AbvGr" "Kitchen.Qual"
## [55] "TotRms.AbvGrd" "Functional" "Fireplaces"
## [58] "Fireplace.Qu" "Garage.Type" "Garage.Yr.Blt"
## [61] "Garage.Finish" "Garage.Cars" "Garage.Area"
## [64] "Garage.Qual" "Garage.Cond" "Paved.Drive"
## [67] "Wood.Deck.SF" "Open.Porch.SF" "Enclosed.Porch"
## [70] "X3Ssn.Porch" "Screen.Porch" "Pool.Area"
```

## [73]	"Pool.QC"	"Fence"	"Misc.Feature"
## [76]	"Misc.Val"	"Mo.Sold"	"Yr.Sold"
## [79]	"Sale.Type"	"Sale.Condition"	"SalePrice"

##	Lot.Frontage	Lot.Area	Lot.Shape	Lot.Config	Bldg.Type	House.Style
## 1	141	31770	IR1	Corner	1Fam	1Story
## 2	80	11622	Reg	Inside	1Fam	1Story
## 3	81	14267	IR1	Corner	1Fam	1Story
## 4	93	11160	Reg	Corner	1Fam	1Story
## 5	74	13830	IR1	Inside	1Fam	2Story
## 6	78	9978	IR1	Inside	1Fam	2Story

##	Overall.Qual	Overall.Cond	Year.Built	Year.Remod.	Add	Exter.Qual
## 1	6	5	1960	1960		TA
## 2	5	6	1961	1961		TA
## 3	6	6	1958	1958		TA
## 4	7	5	1968	1968		Gd
## 5	5	5	1997	1998		TA
## 6	6	6	1998	1998		TA

##	Exter.Cond	Foundation	Bsmt.Qual	Bsmt.Exposure	BsmtFin.Type.1	Bsmt.Unf.SF
## 1	TA	CBlock	TA	Gd	BLQ	441
## 2	TA	CBlock	TA	No	Rec	270
## 3	TA	CBlock	TA	No	ALQ	406
## 4	TA	CBlock	TA	No	ALQ	1045
## 5	TA	PConc	Gd	No	GLQ	137
## 6	TA	PConc	TA	No	GLQ	324

##	Total.Bsmt.SF	Heating.QC	Central.Air	Gr.Liv.Area	Bedroom.AbvGr
## 1	1080	Fa	Y	1656	3
## 2	882	TA	Y	896	2
## 3	1329	TA	Y	1329	3
## 4	2110	Ex	Y	2110	3
## 5	928	Gd	Y	1629	3
## 6	926	Ex	Y	1604	3

##	Kitchen.Qual	TotRms.AbvGrd	Functional	Garage.Type	Garage.Yr.Blt
## 1	TA	7	Typ	Attchd	1960
## 2	TA	5	Typ	Attchd	1961
## 3	Gd	6	Typ	Attchd	1958
## 4	Ex	8	Typ	Attchd	1968
## 5	TA	6	Typ	Attchd	1997
## 6	Gd	7	Typ	Attchd	1998

##	Garage.Finish	Garage.Cars	Garage.Area	Paved.Drive	Misc.Val	Yr.Sold
## 1	Fin	2	528	P	0	2010
## 2	Unf	1	730	Y	0	2010
## 3	Unf	1	312	Y	12500	2010
## 4	Fin	2	522	Y	0	2010
## 5	Fin	2	482	Y	0	2010
## 6	Fin	2	470	Y	0	2010

##	Sale.Type	Sale.Condition	SalePrice	Mas.Vnr	Two.Floors	Fireplace	Deck
## 1	WD	Normal	215000	Yes	No	Yes	Yes
## 2	WD	Normal	105000	No	No	No	Yes
## 3	WD	Normal	172000	Yes	No	No	Yes
## 4	WD	Normal	244000	No	No	Yes	No
## 5	WD	Normal	189900	No	Yes	Yes	Yes
## 6	WD	Normal	195500	Yes	Yes	Yes	Yes

##	Porch	Bath	Season
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##	1	Yes	2.0	Spring
##	2	Yes	1.0	Summer
##	3	Yes	1.5	Summer
##	4	No	3.5	Spring
##	5	Yes	2.5	Spring
##	6	Yes	2.5	Summer