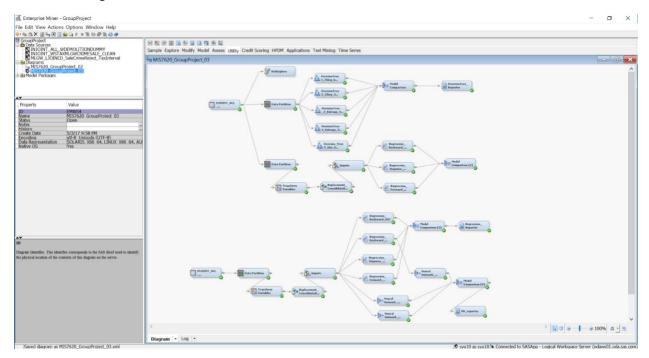
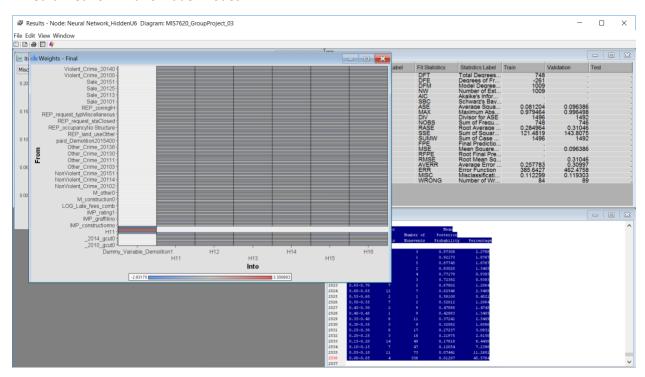
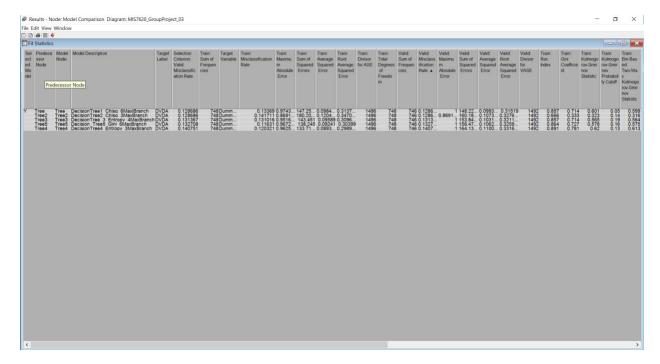
1. Minor diagram



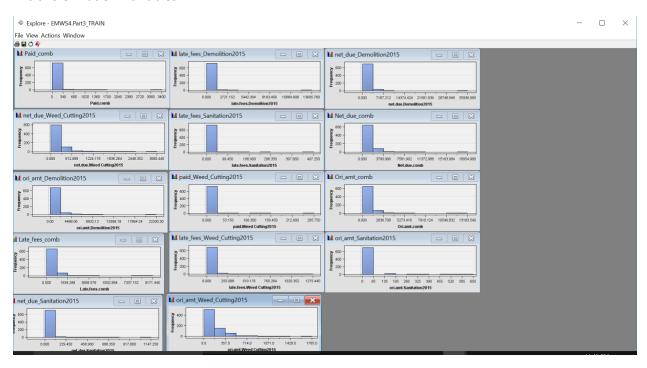
2. Neural network with 6 hidden nodes



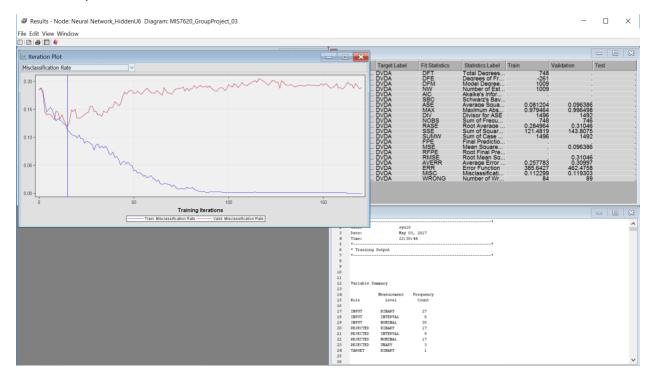
3. Fit statistic for decision tree



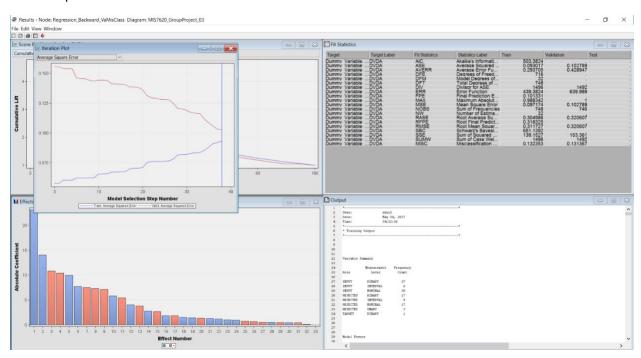
4. transformation variables



5. iteration plot for neural networks with 6 hidden units



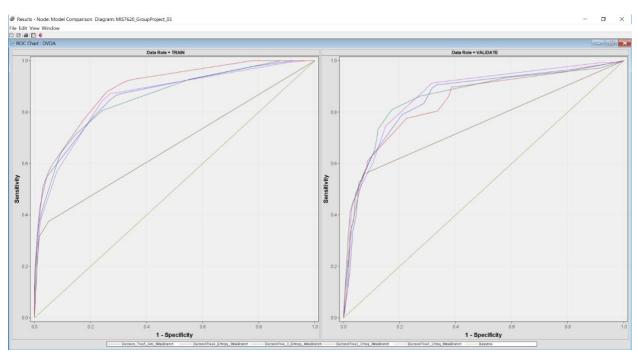
Iteration plot for neural network for 6 hidden units



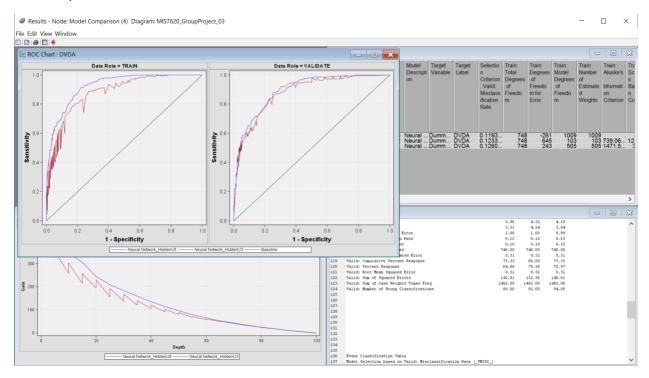
Nominal variable replacement

Variable	Formatted Value	Replacement Value	Frequency Count	Туре	Character Unformatted Value	Numeric Value	
request_type	CE-Weeds Occupied Property	Weeds	63C		CE-Weeds Occupied Property .		
request_type	CW-Weeds Vacant Houses	Weeds	9C		CW-Weeds Vacant Houses .		
request_type	CW-Weeds Vacant Lots	Weeds	2C		CW-Weeds Vacant Lots .		
zoning	RU-1	RU	196C		RU-1		
zoning	RU-3	RU	30C		RU-3		
zoning	RU-2	RU	4C		RU-2		
zoning	R-6	R	402C		R-6		
zoning	R-10	R	42C		R-10		
zoning	R-8	R	37C		R-8		
request_type	CE-Code Miscellaneous	Miscellaneous	226C		CE-Code Miscellaneous .		
request_type	SC-Mayors Action Center(MIS)	Miscellaneous	1C		SC-Mayors Action Center(MIS)		
zoning	CMU-1	СМИ	8C		CMU-1		
zoning	CMU-3	СМИ	6C		CMU-3		
zoning	CMP-1	СМР	2C		CMP-1		
request_type		_UNKNOWN_	121C				
request_status		_UNKNOWN_	121C				
occupancy		_UNKNOWN_	72C				
land_use		_UNKNOWN_	79C				
zoning	_UNKNOWN_	_DEFAULT_	. С				
Violent_Crime_2014	_UNKNOWN_	_DEFAULT_	. N				
Violent_Crime_2013	_UNKNOWN_	_DEFAULT_	. N				
Violent_Crime_2010	_UNKNOWN_	_DEFAULT_	. N				
vehicle	_UNKNOWN_	_DEFAULT_	. C				
trash	_UNKNOWN_	_DEFAULT_	. с				
Sale_2016	_UNKNOWN_	_DEFAULT_	. N				
Sale_2015	_UNKNOWN_	_DEFAULT_	. N				
Sale_2013	_UNKNOWN_	_DEFAULT_	. N				
Sale_2012	_UNKNOWN_	_DEFAULT_	. N				
Sale_2011	_UNKNOWN_	_DEFAULT_	. N				
Sale_2010	_UNKNOWN_	_DEFAULT_	. N				
request_type	_UNKNOWN_	_DEFAULT_	. с				

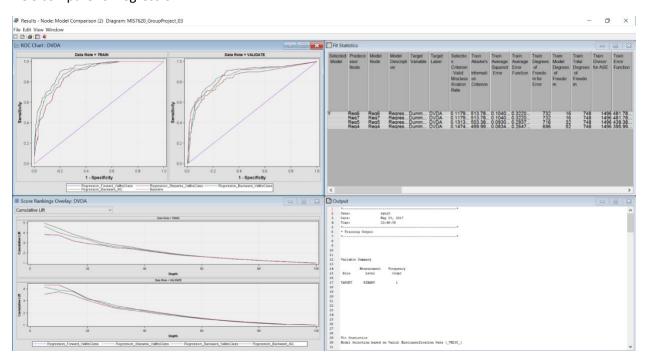
ROC chart for decision tree



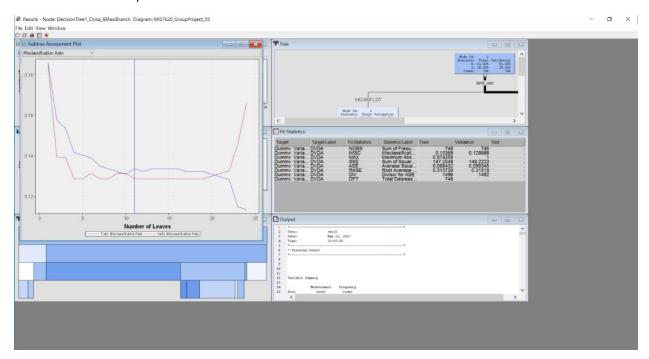
ROC compare for neural network



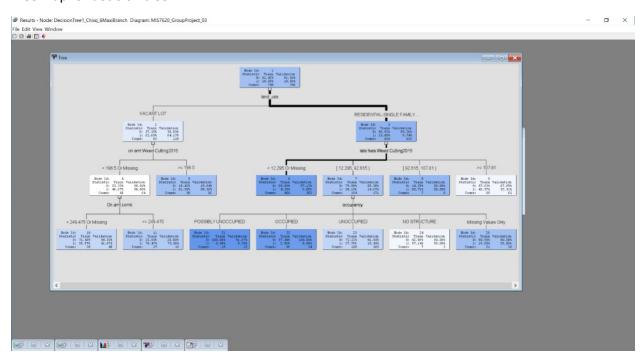
ROC compare for regression



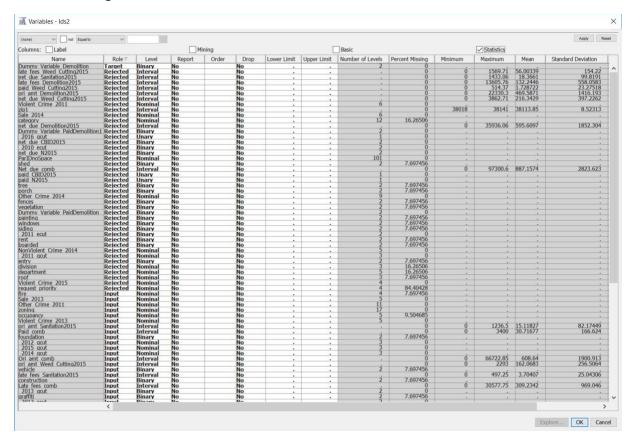
Subtree assessment plot for decision tree



Tree map for decision tree



Variables for regression neural network



Statistic exploration

