

ACCURACY TABLE

Test size = 20%

(KNN) Nearest Neighbors = 3

(RF) n_estimators = 100

(NB) Type = Gaussian

(SVM) Kernel = rbf

(LR) Solver = Saga , Max_iter = 7500

Columns	KNN	RF	NB	SVM	LR
"Elevation", "Aspect", "Slope", "Horizontal_Distance_To_Hydrology", "Vertical_Distance_To_Hydrology", "Horizontal_Distance_To_Roadways", "Hillshade_9am", "Hillshade_Noon", "Hillshade_3pm", "Horizontal_Distance_To_Fire_Points", "Wilderness_Area1", "Wilderness_Area2", "Wilderness_Area3", "Wilderness_Area4"	96.900	95.131	55.951	69.238	70.095
"Elevation", "Slope", "Horizontal_Distance_To_Hydrology", "Vertical_Distance_To_Hydrology", "Horizontal_Distance_To_Roadways", "Hillshade_9am", "Hillshade_Noon", "Hillshade_3pm", "Horizontal_Distance_To_Fire_Points", "Wilderness_Area1", "Wilderness_Area2", "Wilderness_Area3", "Wilderness_Area4"	96.923	95.706	55.848	68.146	70.006
"Elevation", "Slope", "Horizontal_Distance_To_Hydrology", "Vertical_Distance_To_Hydrology", "Horizontal_Distance_To_Roadways", "Hillshade_9am", "Hillshade_Noon", "Hillshade_3pm", "Horizontal_Distance_To_Fire_Points", "Wilderness_Area1", "Wilderness_Area2", "Wilderness_Area4"	96.917	95.886	56.932	68.301	69.736
"Elevation", "Slope", "Horizontal_Distance_To_Hydrology", "Vertical_Distance_To_Hydrology", "Horizontal_Distance_To_Roadways", "Hillshade_9am", "Hillshade_Noon", "Hillshade_3pm", "Horizontal_Distance_To_Fire_Points", "Wilderness_Area1", "Wilderness_Area2"	96.955	96.115	59.761	68.372	69.742
"Elevation", "Slope", "Horizontal_Distance_To_Hydrology", "Vertical_Distance_To_Hydrology", "Horizontal_Distance_To_Roadways", "Hillshade_9am", "Hillshade_Noon", "Horizontal_Distance_To_Fire_Points"	96.694	96.503	60.136	71.617	66.272

"Wilderness_Area1", "Wilderness_Area2"					
"Elevation", "Slope", "Horizontal_Distance_To_Hydrology", "Vertical_Distance_To_Hydrology", "Horizontal_Distance_To_Roadways", "Hillshade_9am", "Hillshade_Noon", "Horizontal_Distance_To_Fire_Points", "Wilderness_Area1"	96.701	96.319	62.678	71.693	66.319
"Elevation", "Slope", "Horizontal_Distance_To_Hydrology", "Vertical_Distance_To_Hydrology", "Horizontal_Distance_To_Roadways", "Hillshade_Noon", "Horizontal_Distance_To_Fire_Points", "Wilderness_Area1"	95.946	95.533	62.678	71.278	63.526
"Elevation", "Slope", "Horizontal_Distance_To_Hydrology", "Vertical_Distance_To_Hydrology", "Horizontal_Distance_To_Roadways", "Hillshade_9am", "Horizontal_Distance_To_Fire_Points", "Wilderness_Area1"	96.215	95.940	62.468	71.104	58.439
"Elevation", "Horizontal_Distance_To_Hydrology", "Vertical_Distance_To_Hydrology", "Horizontal_Distance_To_Roadways", "Hillshade_9am", "Hillshade_Noon", "Horizontal_Distance_To_Fire_Points", "Wilderness_Area1"	96.563	96.258	63.040	71.676	63.018
"Elevation", "Vertical_Distance_To_Hydrology", "Horizontal_Distance_To_Roadways", "Hillshade_9am", "Hillshade_Noon", "Horizontal_Distance_To_Fire_Points", "Wilderness_Area1"	95.115	95.59	63.835	70.646	63.026
"Elevation", "Horizontal_Distance_To_Hydrology", "Horizontal_Distance_To_Roadways", "Hillshade_9am", "Hillshade_Noon", "Horizontal_Distance_To_Fire_Points", "Wilderness_Area1"	96.134	96.164	63.669	71.724	62.470
"Horizontal_Distance_To_Hydrology", "Vertical_Distance_To_Hydrology", "Horizontal_Distance_To_Roadways", "Hillshade_9am", "Hillshade_Noon", "Horizontal_Distance_To_Fire_Points", "Wilderness_Area1"	86.187	90.351	43.435	54.623	50.886
"Elevation", "Horizontal_Distance_To_Hydrology", "Vertical_Distance_To_Hydrology", "Horizontal_Distance_To_Roadways", "Hillshade_9am", "Hillshade_Noon", "Wilderness_Area1"	88.627	92.742	64.518	70.064	63.282

"Elevation", "Horizontal_Distance_To_Hydrology", "Vertical_Distance_To_Hydrology", "Horizontal_Distance_To_Roadways", "Hillshade_9am", "Hillshade_Noon", "Horizontal_Distance_To_Fire_Points"	96.609	96.019	64.214	72.040	62.337
"Elevation", "Horizontal_Distance_To_Hydrology", "Vertical_Distance_To_Hydrology", "Horizontal_Distance_To_Roadways", "Hillshade_9am", "Hillshade_Noon", "Horizontal_Distance_To_Fire_Points", "Soil_Type40"	96.668	95.727	59.964	71.973	62.695
"Elevation", "Horizontal_Distance_To_Hydrology", "Vertical_Distance_To_Hydrology", "Horizontal_Distance_To_Roadways", "Hillshade_9am", "Hillshade_3pm", "Hillshade_Noon", "Horizontal_Distance_To_Fire_Points", "Soil_Type40"	96.872	96.035	59.609	71.964	65.269
"Elevation", "Horizontal_Distance_To_Hydrology", "Vertical_Distance_To_Hydrology", "Horizontal_Distance_To_Roadways", "Hillshade_9am", "Hillshade_3pm", "Hillshade_Noon", "Horizontal_Distance_To_Fire_Points", "Soil_Type1"	96.823	95.856	64.296	71.746	65.185
"Elevation", "Aspect", "Slope", "Horizontal_Distance_To_Hydrology", "Vertical_Distance_To_Hydrology", "Horizontal_Distance_To_Roadways", "Hillshade_9am", "Hillshade_Noon", "Hillshade_3pm", "Horizontal_Distance_To_Fire_Points", "Wilderness_Area1", "Wilderness_Area2", "Wilderness_Area3", "Wilderness_Area4", "Soil_Type1", "Soil_Type2", "Soil_Type3", "Soil_Type4", "Soil_Type5", "Soil_Type6", "Soil_Type7", "Soil_Type8", "Soil_Type9", "Soil_Type10", "Soil_Type11", "Soil_Type12", "Soil_Type13", "Soil_Type14", "Soil_Type15", "Soil_Type16", "Soil_Type17", "Soil_Type18", "Soil_Type19", "Soil_Type20", "Soil_Type21", "Soil_Type22", "Soil_Type23", "Soil_Type24", "Soil_Type25", "Soil_Type26", "Soil_Type27", "Soil_Type28", "Soil_Type29", "Soil_Type30", "Soil_Type31", "Soil_Type32", "Soil_Type33", "Soil_Type34", "Soil_Type35", "Soil_Type36", "Soil_Type37", "Soil_Type38", "Soil_Type39", "Soil_Type40"	96.948	95.535	46.188	71.459	70.571