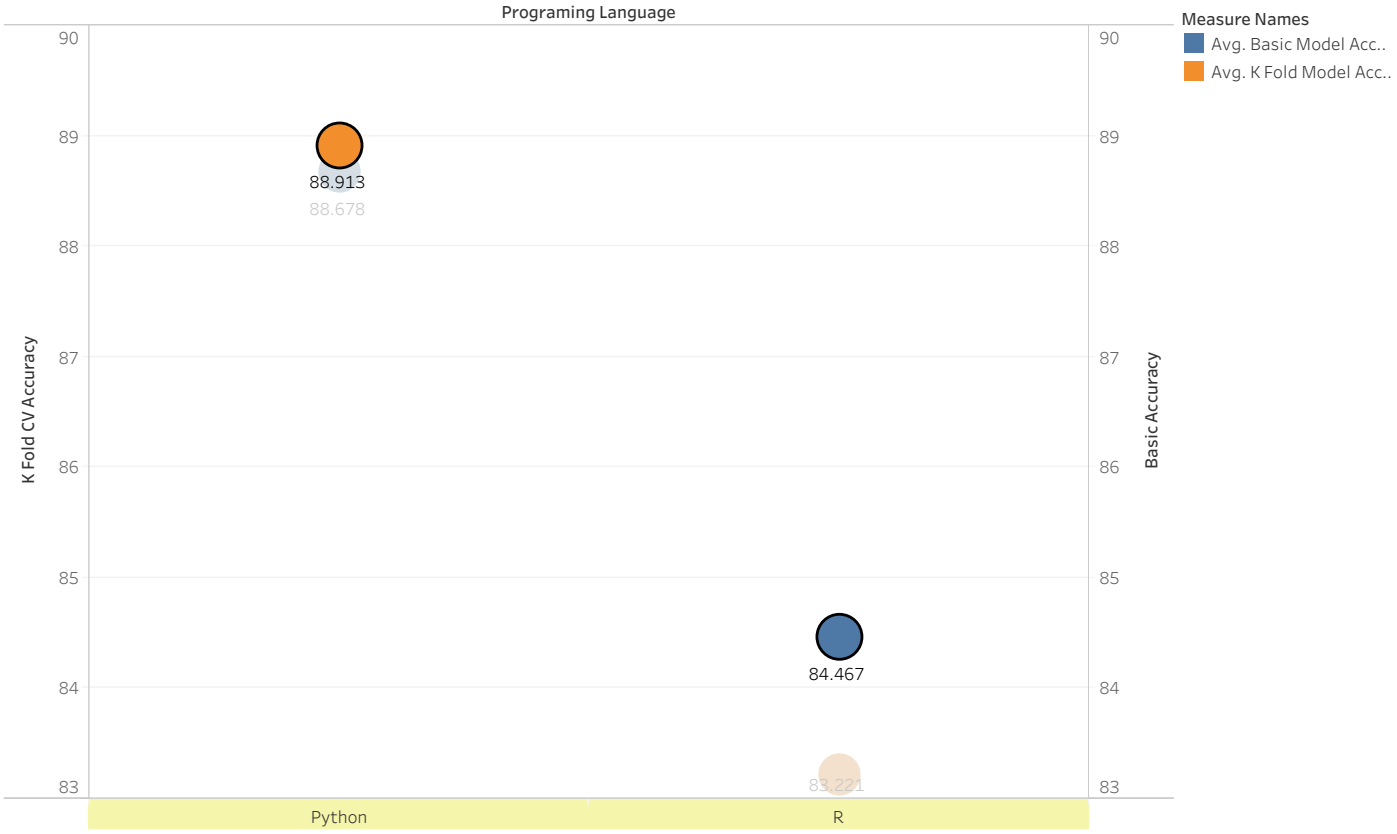
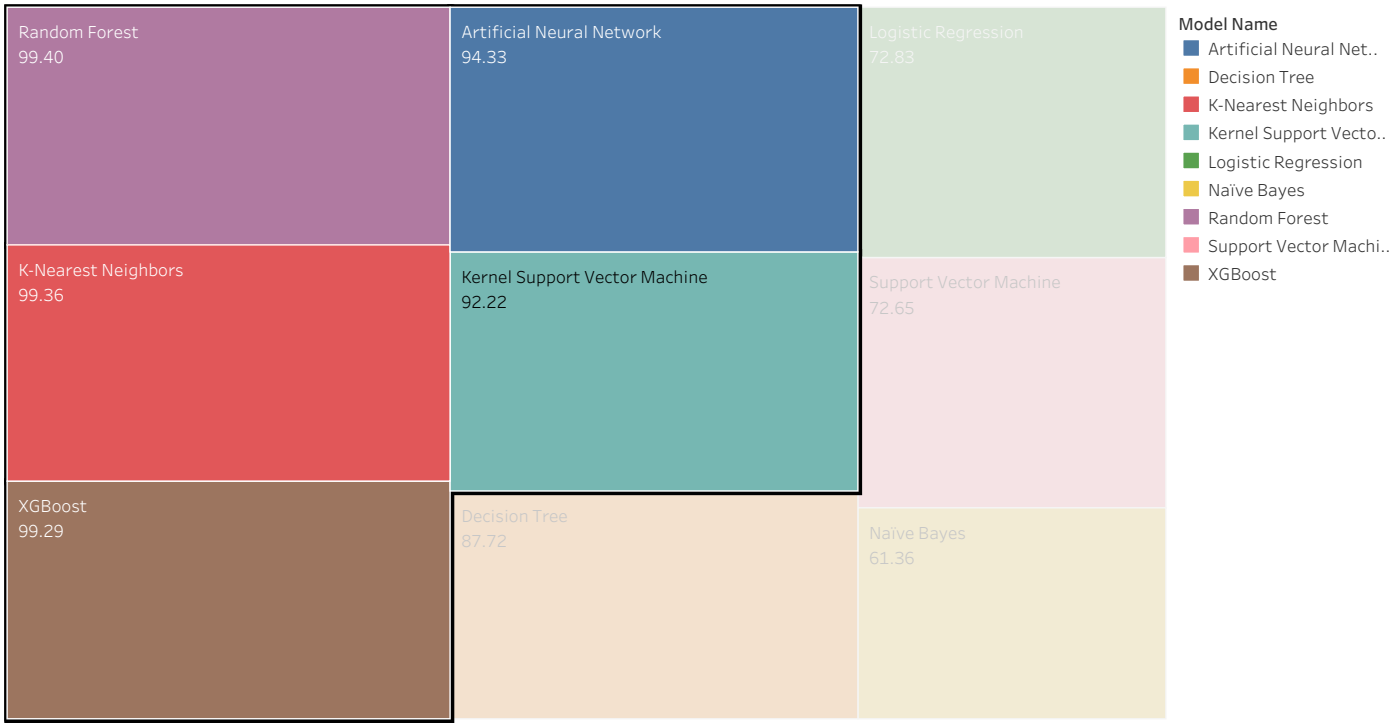
<Mushroom Classification>

Language Accuracies | Average Basic Accuracy | Average K-Fold Accuracy | Model Information



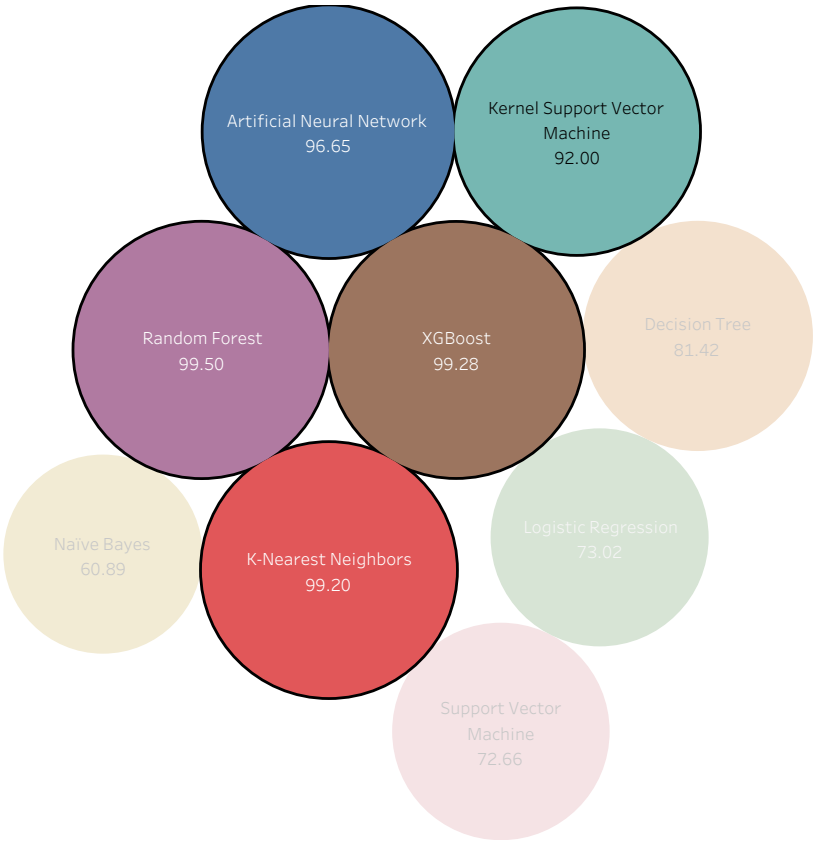
<Mushroom Classification>

Language Accuracies | Average Basic Accuracy | Average K-Fold Accuracy | Model Information



<Mushroom Classification>

Language Accuracies	Average Basic Accuracy	Average K-Fold Accuracy	Model Information



Model Name
- Random Forest
- XGBoost
- K-Nearest Neighbors
- Artificial Neural Net..
- Kernel Support Vecto..
- Decision Tree
- Logistic Regression
- Support Vector Machi..
- Naïve Bayes

<Mushroom Classification>

Language Accuracies | Average Basic Accuracy | Average K-Fold Accuracy | Model Information

	Programing Language	
Model Name	Python	R
Artificial Neural Network	input_shape = 1, two 10 ”relu” activations, one 1 ”sigmoid” neuron, loss = ”binary_crossentropy”, optimizer = ”adam”	activation = ”Rectifier”, hidden = c(50, 50), epochs = 500, train_samples_per_iteration = -2
Decision Tree	criterion = ”entropy”	cp = 0.03866672, kappa = 0.28313569
K-Nearest Neighbors	neighbors = 5, p = 2, metric = ”minskowski”	neighbors = 5, type = ”C”, dist.type = ”euclidean”
Kernel Support Vector Machine	kernel = ”rbf”	type = ”C-classification”, kernel = ”radial”
Logistic Regression	NA	family = binomial, method = ”glm”
Naïve Bayes	NA	NA
Random Forest	trees = 10, criterion = ”entropy”	type = ”class”, ntree = 10
Support Vector Machine	kernel = ”linear”	type = ”C-classification”, kernel = ”linear”
XGBoost	NA	nrounds = 100