Untitled

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R Markdown

```
# naive bayes
nb_accuracy <- 0.63
nb_lower <- 0.55
nb_upper <- 0.65
nb <- c("Naive Bayes", nb_accuracy, paste0("[", nb_lower, ", ", nb_upper, "]"))

# basic logistic regression
blr_accuracy <- 0.62
blr_lower <- 0.57
blr_upper <- 0.67
blr <- c("Basic Logistic Regression", blr_accuracy,
         paste0("[", blr_lower, ", ", blr_upper, "]"))

# lasso regression
lasso_accuracy <- 0.69
lasso_lower <- 0.65
lasso_upper <- 0.74
lasso <- c("Lasso Regression", lasso_accuracy,
         paste0("[", lasso_lower, ", ", lasso_upper, "]"))

# svm
svm_accuracy <- 0.69
svm_lower <- 0.64
svm_upper <- 0.74
svm <- c("Support Vector Machine", svm_accuracy,
         paste0("[", svm_lower, ", ", svm_upper, "]"))

# random forest
rf_accuracy <- 0.71
rf_lower <- 0.66
rf_upper <- 0.75
rf <- c("Random Forest", rf_accuracy,
         paste0("[", rf_lower, ", ", rf_upper, "]"))

df <- rbind(nb, blr, lasso, svm, rf)
colnames(df) <- c("Model", "Accuracy", "95% CI")

knitr::kable(df, row.names = FALSE, digits = 2, format = "latex", booktabs=TRUE) %>%
  kable_styling(latex_options = "striped")
```

Model	Accuracy	95% CI
Naive Bayes	0.63	[0.55, 0.65]
Basic Logistic Regression	0.62	[0.57, 0.67]
Lasso Regression	0.69	[0.65, 0.74]
Support Vector Machine	0.69	[0.64, 0.74]
Random Forest	0.71	[0.66, 0.75]

```
# mlp
mlp <- c("Multilayer Perceptron", 0.70,
         paste0("[", 0.65, ", ", 0.75, "]"))

# random forest
rnn <- c("Recurrent Neural Network", 0.71,
         paste0("[", 0.66, ", ", 0.76, "]"))

df <- rbind(mlp, rnn)
colnames(df) <- c("Model", "Accuracy", "95% CI")

knitr::kable(df, row.names = FALSE, digits = 2, format = "latex", booktabs=TRUE) %>%
  kable_styling(latex_options = "striped")
```

Model	Accuracy	95% CI
Multilayer Perceptron	0.7	[0.65, 0.75]
Recurrent Neural Network	0.71	[0.66, 0.76]