**STT 811**

**In-Class Assignment 2**

With the Northwind data,

1. Join together the regions and territories datasets, leaving out duplicate columns.

regionsTerritories <- sqldf("SELECT territories.\*, regionDescription

FROM regions

INNER JOIN territories

WHERE regions.regionID = territories.regionID")

1. Join together customers to orders, with the result having orderID, customer name, and country.

customerOrders <- sqldf("SELECT orderID, companyName AS customerName, country

FROM customers

INNER JOIN orders

ON customers.customerID = orders.customerID")

1. Join together order details to customers, with all order detail fields and customer name.

customerDetails <- sqldf("SELECT order\_details.\*, companyName AS customerName

FROM order\_details

INNER JOIN customers

INNER JOIN orders

ON order\_details.orderID = orders.orderID

AND orders.customerID = customers.customerID")

1. Join together suppliers and shippers without a key (a Cartesian join)

supplierShipper <- sqldf("SELECT \*

FROM shippers

INNER JOIN suppliers")

1. Join together employees to customers, with the result having customer name, country, and employee first and last name.

employeesToCustomers <- sqldf("SELECT companyName AS customerName, customers.country, firstName, lastName

FROM customers

INNER JOIN employees

INNER JOIN orders

ON orders.employeeID = employees.employeeID

AND orders.customerID = customers.customerID")