STAT/BIOSTAT 534 Statistical Computing
Homework 6 - Solutions

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Problem 2

The lines of code you were supposed to add to the function **AddRegression** are:

```
while(GetListLength(regressions)>nMaxRegs)
{
   DeleteLastRegression(regressions);
}
```

Problem 3

You were supposed to get the following output:

-59.31620	2	2	11
-61.90744	2	2	10
-64.10455	2	2	43
-65.39395	2	2	15
-65.65311	2	2	24
-66.28088	2	2	34
-67.32217	2	2	12
-67.91884	2	2	8
-68.30237	2	2	33
-69.57794	2	4	24

You notice that variable 2 (the first predictor) appears in all top nine regressions. However, variable 3 (the second predictor) does not appear in the list of top 10 regressions. Perhaps some of you might have expected to see that regression containing variables 2 and 3 to be the top regression. As you can see, this did not happen. Therefore independently selecting variables based on univariate measures of association is quite different than examining combinations of predictors.