

Assignment 03 – Due: Monday, Jan 19th.

Programming Projects 2 & 3

Read through programming projects 2 and 3. Implement & document the class Statistician as described in the online at:

<http://www.cs.colorado.edu/~main/docs/edu/colorado/homework/Statistician.html>

Note: the online documentation uses a method called **next(..)** where the text book uses a method called **nextNumber(..)** – I prefer the online doc version, though either would be okay. You should implement either **addAll(..)** or **union(..)**, you don't have to do both, though you may find **union(..)** is very easy to complete if you've done **addAll(..)**. Make your best attempt at implementing **equals(..)** and throwing exceptions as indicated in the online doc.

Supply a test program that exercises all the methods of your class. That is to say, your tester should use each method in Statistician at least one time.

Put a copy of your source code files & into a **.zip** file named **CS320-A03-YOURNAME.zip**. Note: if you have trouble creating zip files in the labs, refer to my tutorial on my Fall 2008 CS104 course page.

Upload the **.zip** file to Moodle.

The following rubric will be used for grading:

Description	Points
Correct filename(s) are used	1
Source code content – Statistician class implemented as indicated in text/documentation	10
Source code content – tester class exercises all the methods of Statistician	2
Source code compiles without errors	2
Program executes	2
Program output is correct	5
Any/all classes are documented	1
Any/all methods & constructors are documented	5
Any/all parameters and return values are documented	2
Any/all pre/post conditions are documented	2
TOTAL POSSIBLE POINTS:	32