

Assignment 03

Due: Sept-18

Goal: learning to program to an API, exposure to formal documentation

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 (**XXXX.java**) into a **.zip** file named **CS225-AXX-YOURNAME.zip**, replacing **YOURNAME** with your actual first and last name and **XX** with the actual assignment number.

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