

You shall submit a zipped, **and only zipped**, archive of your homework directory, hw6. The directory shall contain, at a minimum, the files and directories

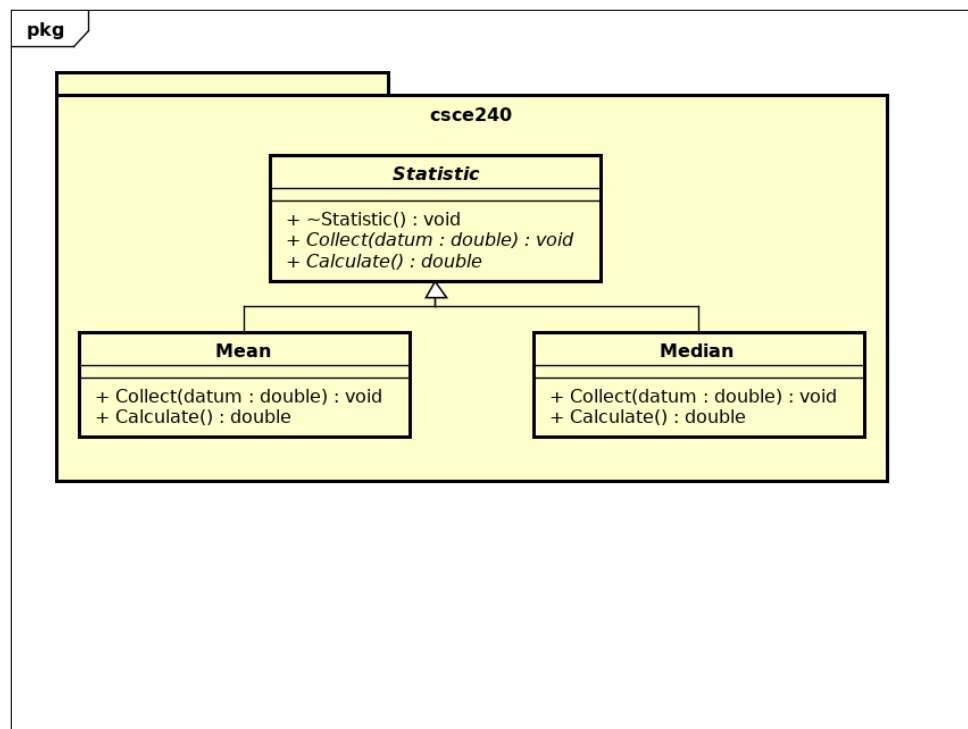
- inc/mean.h,
- inc/median.h,
- inc/statistic.h,
- src/mean.cc,
- src/median.cc, and
- src/statistic.cc

Name the archive submission file hw6.zip

I will use my own makefile to compile and link to your submission files. You must submit these six files.

This assignment tests your ability to create and implement a class hierarchy and design polymorphic classes using virtual methods.

Read the provided header file documentation for instructions on method behavior. In addition to documentation, I provide several tests which will link to your classes and provide basic illustration of class functionality.



I have provided you a set of test apps which you may use to ensure that your code is, at least partially, correct. **I would suggest a more rigorous testing scheme, especially testing your assignment operator.** If you would like some guidance here, ask me in class.

Late assignments **CANNOT** be accepted.

The point allocation is as follows:

- Compilation of `Mean::Collect`: $\frac{1}{4}$ points.
- Correct behavior of `Mean::Collect`: 1 points.
- Compilation of `Mean::Calculate`: $\frac{1}{4}$ points.
- Correct behavior of `Mean::Calculate`: 1.5 points.
- Compilation of `Median::Collect`: $\frac{1}{4}$ points.
- Correct behavior of `Median::Collect`: 1 points.
- Compilation of `Median::Calculate`: $\frac{1}{4}$ points.
- Correct behavior of `Median::Calculate`: 1.5 points.
- No memory leaks: 2 points.
- Style: 2 points.