

Write-ups for Computational Homework

Your job in each computational assignment is to write a **report** which answers the given questions and discusses your computational results in a clear and concise manner. The report should include four sections: *Problem*, *Computer Program*, *Results*, and *Analysis*.

Problem: Brief statement of the problem. Include any mathematical derivations when needed. Give brief description of the methods you plan to code.

Computer Program: The source code in any computer language should be readable and printable. Internal comments should describe algorithms, variables, input/output and etc... Please turn in bug-free codes!

Results: Output of your program in the form of plots and tables.

Analysis: In complete sentences (or even in paragraphs), discuss your results. For example, you might want to explain why the method worked or didn't work, compare different methods if there are several methods used to solve the same problem or mention which method is the best for certain situations. Just remember always to justify your claims with your results.

Computer assignments may be done individually or in groups. For those students who work in groups, I expect individual write-ups. You may turn in your reports electronically to your TA.