

Module 1

- A short (max 10 minute) pre-recorded presentation that includes:
 - a clear and concise problem statement and algorithm design description that is targeted at a general scientific audience. Figures such as flow charts and schematics are encouraged.
 - Technical jargon is discouraged.
 - a detailed development and testing plan that is targeted at a fellow methods developer. This plan should explain how you will decompose your solution into independent modules, how those modules will interact, how they will be tested, and a timeline.

Grading

You will be graded on the following four standards. Each standard has between 1 and 3 assessments. Each assessment will be assigned between a 1 (no or minimal attempt) and 4 (publication quality). To master a standard you must score a 3 or 4 on each assessment. There is no limit to the number of times you can attempt an assessment. Reattempting an assessment requires a non-trivial written justification that details what went wrong in prior assessment and what steps were taken to correct those issues.

1. Oral communion
 - Module 1 presentation
 - Module 3 presentation
2. Written communication
 - GitHub README
 - Module 2 report
 - Final report
3. Algorithm design
 - Module 1 presentation
 - Module 2 presentation
 - Final report
4. Source code
 - GitHub repo