

Project 1 Checklist

Part 1. (Optional) Introduction & Assumptions

Part 2. Test Cases

- There should be cases that test for normal distributions, using both single and multiple dice.
- There should also be “dependency tests,” showing that dice rolls seem unaffected by previous rolls.

Notes: When using tables to set up your test cases, avoid putting Expected Results and Actual Results in separate tables. Not only does this take up more room, they are also harder to check. When the expected result is the same for all rows, the difference may be minor; however, when the expected result differs for each row, combining the expected and actual results into a single table is easier. Test it yourself: Which of the following formats is easier to check?

Two-table format:

Count	Units	Exp. Range
RBC	c/mcL	4.32 to 5.72
WBC	c/mcL	3500 to 10500
Platelets	mcL/1000	150.0 to 450.0
Homoglob.	g/dL	13.5 to 17.5
Hemat.	pct	38.8 to 50.0
LDL	mg/dL	40 to 60
HDL	mg/dL	100 to 160

Count	Units	Actual Val.
RBC	c/mcL	4.38
WBC	c/mcL	7502
Platelets	mcL/1000	300.1
Homoglob.	g/dL	18.8
Hemat.	pct	37.7
LDL	mg/dL	56
HDL	mg/dL	151

Single-table format:

Count	Units	Exp. Range	Actual Val.
RBC	c/mcL	4.32 to 5.72	4.38
WBC	c/mcL	3500 to 10500	7502
Platelets	mcL/1000	150.0 to 450.0	300.1
Homoglob.	g/dL	13.5 to 17.5	18.8
Hemat.	pct	38.8 to 50.0	37.7
LDL	mg/dL	40 to 60	56
HDL	mg/dL	100 to 160	151

Where possible, use page breaks to avoid having tables be spread across multiple pages. It is better to start each test case on a new page than to have tables being broken across multiple pages. (That said, if two test cases can fit on a single page, that's fine.)

Part 3. Code

Include the code for your dice program, and for your testing harness.

There are two options for including your code:

1. Append the code at the end of your test plan.
2. Upload the source code into the dropbox as a separate file (or files).

If you decide to use Option 2, at least make a note saying so in the test plan itself. In other words, your test plan might end something like this:

Source Code:

The source code for the test harness has been uploaded in a separate file.

(This way, I know I can go look for it, and that it was not omitted as an oversight.)

**Remember, all test plans should be uploaded in .pdf format.
Do not upload a .doc file to the dropbox.**