

Project Submission Guidelines

Project 1 and Beyond

This Will Be Different than Before...

- You can and should work together, but **you will be graded independently.**
- Therefore, you need an **audit trail** of all that you do.
- Assignment submissions have a lot of steps, but if you have done everything correctly as you go, it should be straightforward to submit your work.



I Made an Example for You

<https://github.com/airavata-courses/Spring17-Students/wiki/Sample-Wiki-Entry-for-Project-Submission>

First, Create Your Own Class Blog

- Suggestion: Use GitHub Wiki or Pages and Jekyll
- Why GitHub Wiki or Pages?
 - You get a commit log for all your work.
 - It integrates with other GitHub tools
- Why Jekyll?
 - Markdown
- **Each project submission is an entry in your blog.**
- **You submit the URL to the post through Canvas.**

Have a better idea? Great, tell us about it!

Here's What Your Blog Entry Should Contain

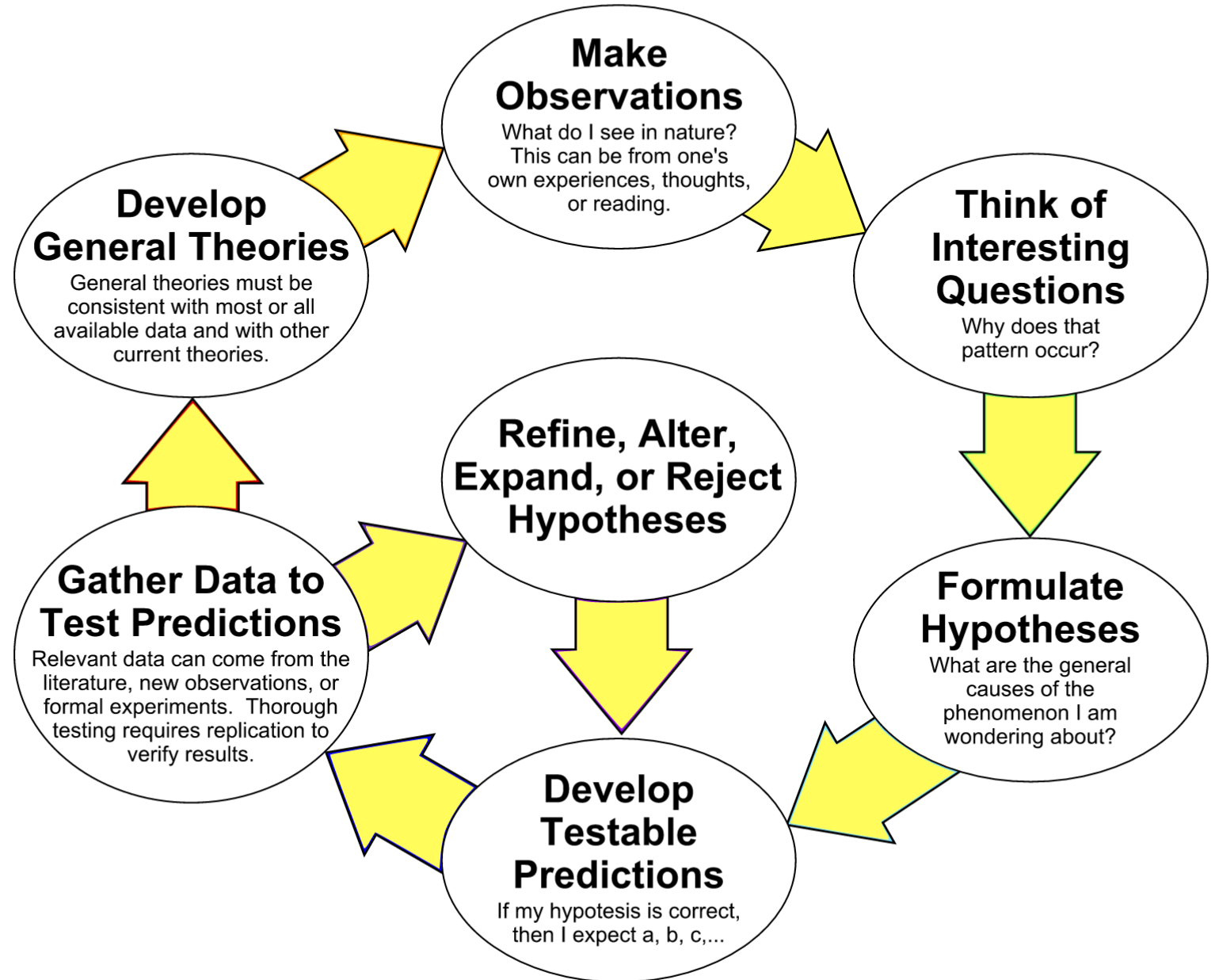
Remember: one blog entry per person per assignment

Blog Section 1: Your Report

- Section 1 is a report of what you did and your outcomes.
 - What was the problem you tried to solve?
 - How did you solve it?
 - How did you evaluate your solution?
- Why?
 - Describe your intellectual contributions to the project.
 - Describe how you formulated the project, your tests, your evaluations, your conclusions, etc.

Why?
Because
Science,
That's Why

The Scientific Method as an Ongoing Process



Blog Section 2: Point to a Wiki Entry for Your Code Submission

- Section 2 contains a pointer to project repository wikis.
- Use the Wiki for the project repository or repositories that you worked on.
 - <https://github.com/airavata-courses/spring17-API-Server>
 - <https://github.com/airavata-courses/spring17-devops>
 - <https://github.com/airavata-courses/spring17-laravel-portal>
- This wiki entry may have multiple authors.
- The wiki describes how the instructors can check out and test your code.

Blog Section 3: Your Git Commits

- This section has pointers to your commit activity for this particular project?
- Why? Demonstrate to the instructors that you did concrete technical work on the project.

Blog Section 4: Discussions on the Developer List

- URLs pointing to your discussions of your work on the Apache Airavata developer's mailing list. This would be under http://mail-archives.apache.org/mod_mbox/airavata-dev/.
- Do this early and often.
- Dev discussions help you refine your ideas.
- Good ideas graduate to Jiras and pull requests.

Blog Section 5: Airavata Jiras Created

- URLs pointing to any Apache Airavata Jiras that you created or commented on. See <https://issues.apache.org/jira/browse/airavata/?selectedTab=com.atlassian.jira.jira-projects-plugin:issues-panel>
- Really good projects will result in Jiras.
 - Jira entries are actionable.
- Don't create Jiras until encouraged to do this on the developer list
 - "You are own to something"
- Not every submission will have this section.

Blog Section 6: Airavata Pull Requests

- URLs pointing to any pull requests that you made to Apache Airavata's Git repo.
- Not every project submission will have this section.
- But really successful submissions will.
 - This may span multiple assignments.
- If you have a pull request, you have been “invited” to submit a solution to the Airavata code base.
- Associate pull requests with Jira entries.