

Project Analytics Bounty: 200 points

Senior Seminar

CMSC 461

Spring 2026

Name: _____

At the end of each sprint, I give each member of the team a score based on their contributions to the project. For developers, technical writers, and other non-leadership members of each team that score is largely derived from the relative significance of changes contributed to git each sprint, the number of tasks completed in the backlog, and other measures derived from your use of Gitlab. Similarly, for Scrum Masters, I assign points based on the overall value stream of the project as measured by Gitlab.

This means that it is harder for product owners to earn points toward the “bonuses and bounties” portion of the project grade. To somewhat remedy this situation, I am making this 200 point bounty available only to product owners for each sprint.

Project Metrics

Gitlab provides the ability to measure progress toward project goals using its “Analytics” tools. These tools provide insights into the value stream that your team is providing to the clients. I would like you to take screenshots of several of these analytics and make them into a report (in .pdf format) that you can share with me and your clients.

Here are a few of the insights I would like you to include in this report. These are all related to the most recently completed sprint and should only include values from that time period.

1. Total number of issues created
2. Total number of git commits
3. Number of issues remaining open at end of sprint
4. Sprint Breakdowns:
 - Total number of task points assigned to each team member
 - Number of tasks completed by each team member
5. DORA metrics (named for Google’s “DevOps Research and Assessment” project)**[optional]**:
 - Deployment Frequency
 - Lead Time for changes
 - Mean Time to Recovery (gitlab calls this “Time to Restore Service”)
6. Graphs of:
 - The number of new issues created each day of the sprint
 - The number of tasks in the backlog each day of the sprint,
broken down by backlog status / label
 - The number of issues closed each day of the sprint
 - The number of issues closed since the start of the project, by week

Annotate each of these with a few short sentences describing what they tell you about the project. Then upload your report to the course web site and share it with your clients.