Week 7 Day 4

Jenkins Pipeline

Automation server that is:

- Self contained
- Open source
- Automates
  - Building
  - Testing
  - Deployment
- Standalone on a system, or used with tools like docker

Jenkins: Projects/Jobs

- Job is a repeatable set of steps to auto a task
- Trigger them manually or automatically
- Creates a build
- Job Status/Health
  - Sunny: 81% of more build passed
  - Partially Sunny: 61 – 80% passed
  - Cloudy: 41 – 60% passed
  - Raining: 21 – 40% passed
  - Stormy: <20% passed

CmdStan, the command line interface to Stan

Branches (3)	**Pull Requests (7)**		
S	**W**	**Name ↓**	**Last Success**
		PR-552	12 days - #10
		PR-558	3 days 3 hr - #14
		PR-573	29 days - #1
		PR-574	27 days - #14
		PR-576	3 days 21 hr - #11
		PR-579	16 hr - #4
		PR-580	15 hr - #1

Icon: S M L

Created by a Job

- Build Status
    - Blue: Success
    - Yellow: Unstable
    - Red: Failure
    - Gray: No builds/aborted build

Building a project with Jenkins DEMO