# Lab 1 - Project Setup and Teamwork contract

(Please sit with your team-mates for the labs!)

# Recap: Project Course

- You have been randomly assigned into teams of 3-4

- These will be your colleagues and team-mates for the rest of DSCI 522

## DSCI 522 Groups

In DSCI 522, each group will be assigned one TA for the duration of the course.
Here are the TA assignments by Group number:

| Groups | TA | Lab Section |
|---|---|---|
| 301 - 307 | Javier | L01 (Thursday) |
| 308 - 315 | Kate | L01 (Thursday) |
| 407 - 413 | Gary | L02 (Wednesday) |
| 401 - 406, 414, 415 | Ozum | L02 (Wednesday) |

Below are your randomly assigned groups for the DSCI 522 projects.

| | | | First | Last |
|---|---|---|---|---|
| lab | Group | GitHub Username | | |
| L01 | Group 301 | clsu22 | Haoyu | Su |
| | | Margaret8521 | Ke Xin | Zhao |
| | | flizhou | Fanli | Zhou |
| | Group 302 | RobBlumberg | Robert | Blumberg |
| | | dkruszew | Derek | Kruszewski |
| | | carlinakim | Carlina | Kim |
| | | v5y8 | Yi | Liu |

# Thursday TAs

Javier Castillo-Arnemann
Teaching Assistant
Projects 301-307

Kate Sedivy-Haley
Teaching Assistant
Projects 308-315

# Wednesday TAs

Gary Zhu
Teaching Assistant
Projects 407-413

Ozum
Teaching Assistant
Projects 401-406, &
414,415

# Recap: Project Course

**Week 1**

**Proposal, EDA & project set-up**

**Week 2**

**Finalizing 4 scripts & starting report**

**Week 3**

**Creating an automated pipeline**

**Week 4**

**Docker & project reproducibility**

# Recap: Project Course

**Week 1**

**Proposal, EDA & project set-up**

**Week 3**

**Creating an automated pipeline**

**Remember to write tests!!!**

**Week 2**

**Finalizing 4 scripts & starting report**

**Week 4**

**Docker & project reproducibility**

# Milestone 1: What is due this week?

0. Project Setup (repo creation and workflows)
1. Team Contract
2. Code of Conduct
3. CONTRIBUTING
4. LICENSE
5. Proposal
6. Script to download & save data
7. EDA file

# My Reflections on the last team project course

5 minutes

- More thought into distribution of workload between team members

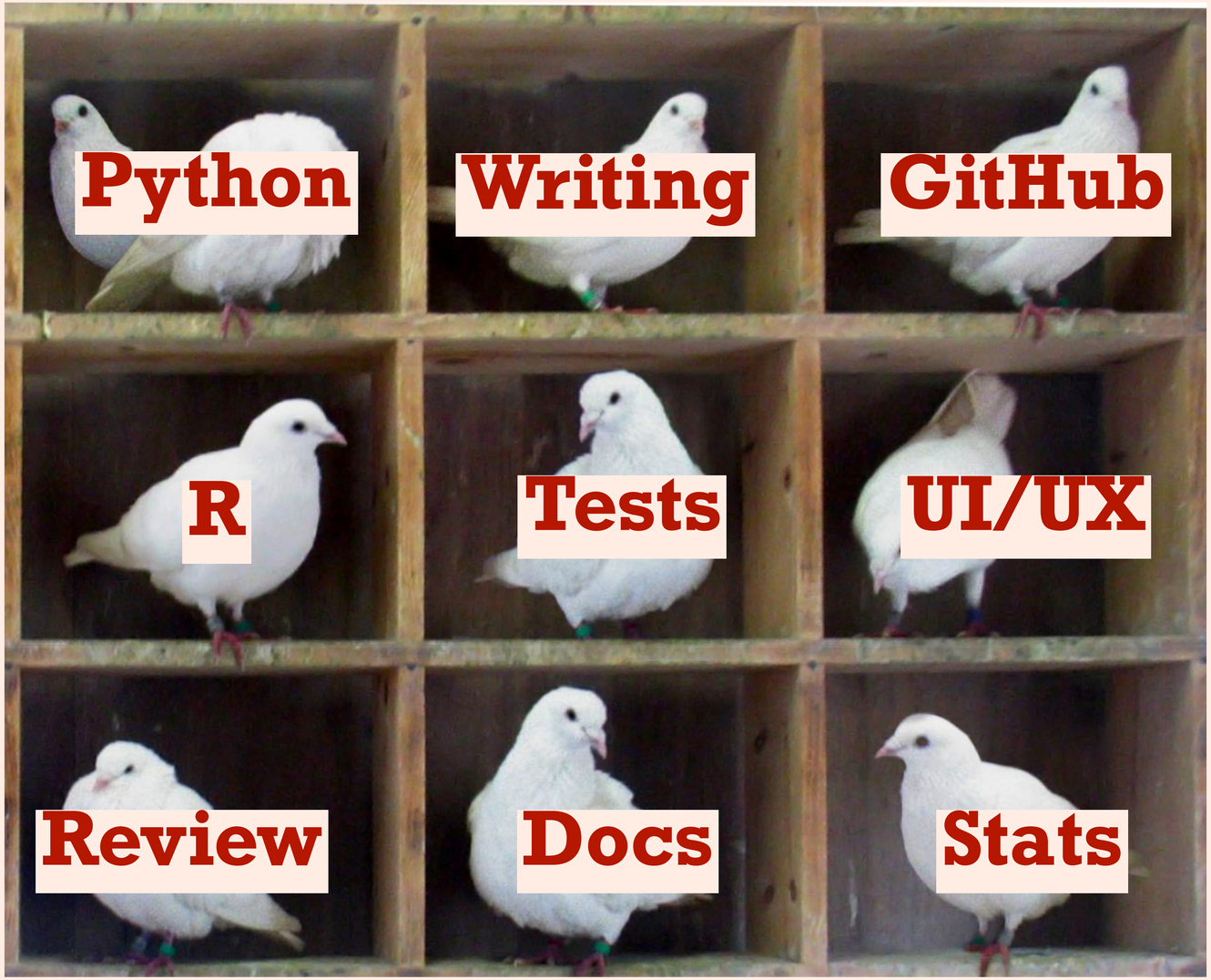
- Project scope; high degree of variability

- Choose a question/project you care about!

- “Pigeon-holing” yourself, others

# Pigeon-holing

# Pigeon-holing



**15 minutes**

# Task 1: Team Contract Activity

Instructions:

- Think about your last team contract. What worked well? What was missing? Did it help you resolve conflicts and issues?

- Based on your experience, come up with a new Team Contract for your group

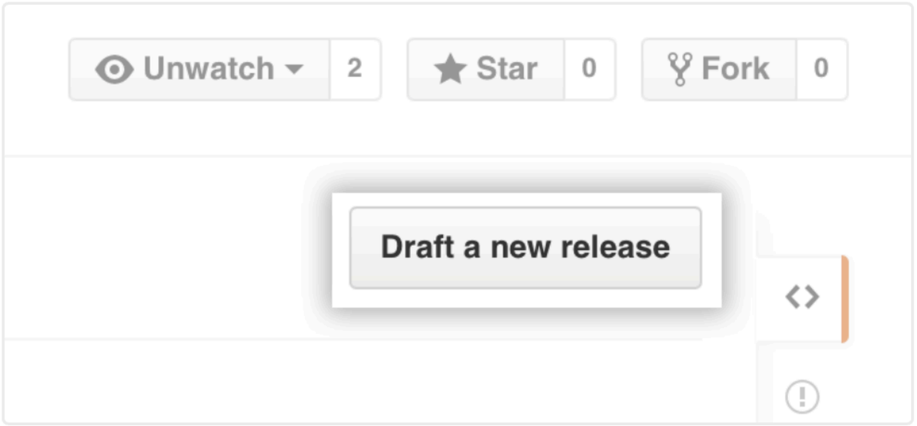
**Team Contract should go in your PRIVATE github.ubc.ca repos!**

**There is usually sensitive data on there!**

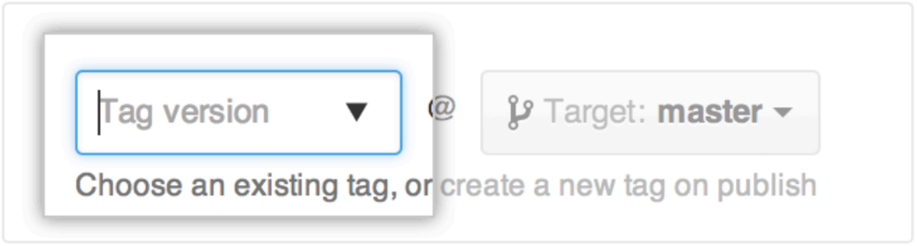
# Task 2: Creating Releases

1. On GitHub, navigate to the main page of the repository.
2. Under your repository name, click **Releases**.


3. Click **Draft a new release**.




4. Type a version number for your release. Versions are based on Git tags. We recommend naming tags that fit within semantic versioning.




5. Use the drop-down menu, and select the branch that contains the project you want to release.

**Source: GitHub Docs**

# Semantic Versioning 2.0.0

## Summary

Given a version number MAJOR.MINOR.PATCH, increment the:

1. MAJOR version when you make incompatible API changes,
2. MINOR version when you add functionality in a backwards compatible manner, and
3. PATCH version when you make backwards compatible bug fixes.

Additional labels for pre-release and build metadata are available as extensions to the MAJOR.MINOR.PATCH format.

## Introduction

In the world of software management there exists a dreaded place called “dependency hell.” The bigger your system grows and the more packages you integrate into your software, the more likely you are to find yourself, one day, in this pit of despair.

Source: SemVer.org

# Task 3: Group Interviews

- In an effort to give feedback faster, and offer more support in the teamwork process, we will try a variety of interview formats

- This week, each group will meet with one of us

- 7 minutes to answer some check-in questions and use the remaining time for anything they like

# Task 3: Group Interviews

Questions:

- What stage of the project are you on?
- Each member describes their most important contribution this week
- What is one thing that has worked really well for your team?
- Do you have any blockers/obstacles?
- How are you feeling about the project overall?

# Task 4:

**Choose a research question and dataset that will help you answer that research question.**