Week 2

Teams

Agenda

1. Team Assignments
2. Team Dynamics
3. Project Organization
4. Exercise Discussion

1. Team Assignments

Team Neural Network

Adam
Tianhao

Team Data Exploration **(TEAM R)**

Gracie
Ciera

+ Menghan

Team TFBS **(+ neural network)**

Alex
Jemima

+ Isaac

1. Team Assignments

We will have a team specific first meeting to discuss specific logistics of team projects.

Each team has a home repo with brief projects expectations to get started right away.

2. Team Dynamics

- Your team is not independent of other teams. We are all working together.
- You work with your team to achieve specified team goals.
- Every week your team will address entire group for brief update (5 - 10 min).
- How you split up work largely depends on you
- You decide how often to meet with each other
- Contact me with any disagreements, we will work through them together
- If you want out, let me know immediately

3. Project Organization

- Working on a data team requires explicit data management plans i.e. be organized
- Project organization is extremely context specific and organization schemes evolve through time
- This project must be **reproducible.**
- Reproducibility is a state of mind. There is no right way.

3. Project Organization

Naming conventions

- lowercase and underscores for filenames
- Follow style guide for respective languages

3. Project Organization

Metadata
READMEs

- Update README.md with vital information about repo or directory
  - What are the files? Where did they come from? How were they created? What major conclusions were found? What needs to be done?
- Keeping the READMEs up-to-date
- When changing something in a directory, you should add a line at the README

3. Project Organization

* Each team’s project management can be updated, modified, and extended for what is best for the team.

3. Project Organization

General Workflow

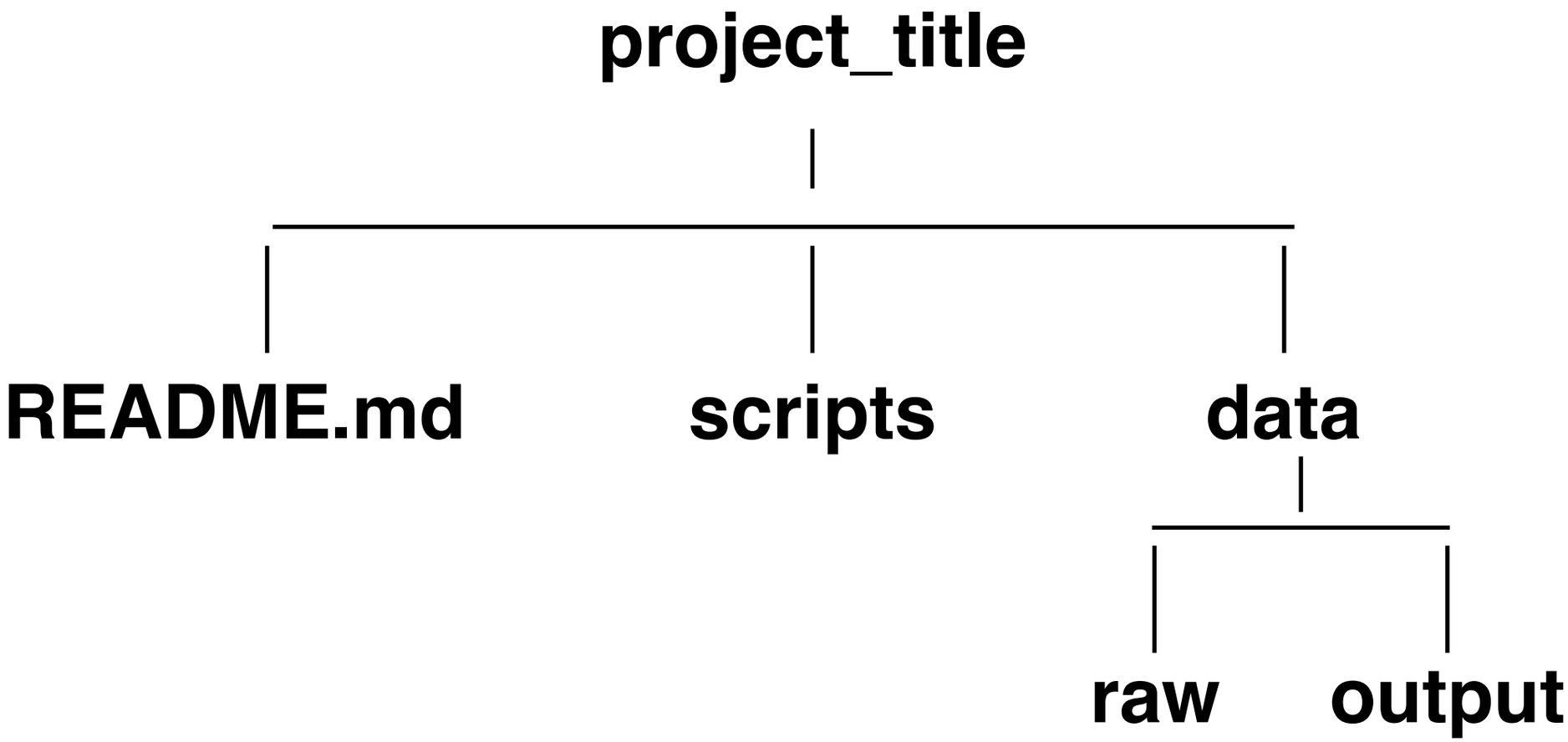
1. Data Exploration - explore, ask questions, play
   - find preliminary conclusions + opportunities for automation (things you do more than three times)

2. Refinement - Automation (functions and tools), tests, clean, make explicit and clear

4. Publication - Sharing of all the parts and archiving data. Either in paper or elsewhere

3. Project Organization

Data Structure



4. Exercise Discussion

Questions? Comments?