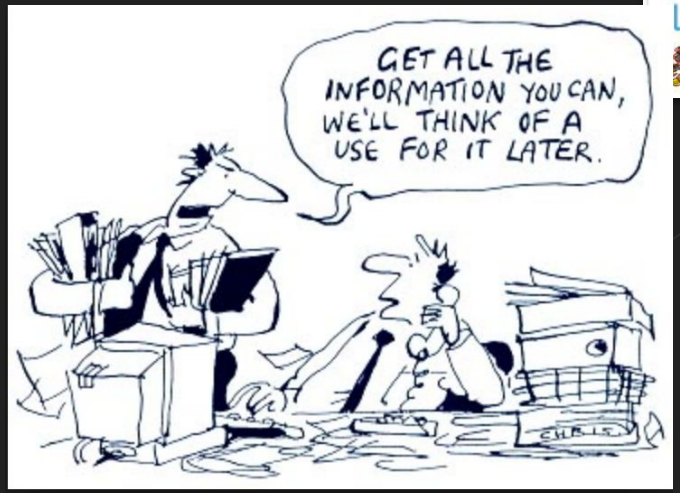
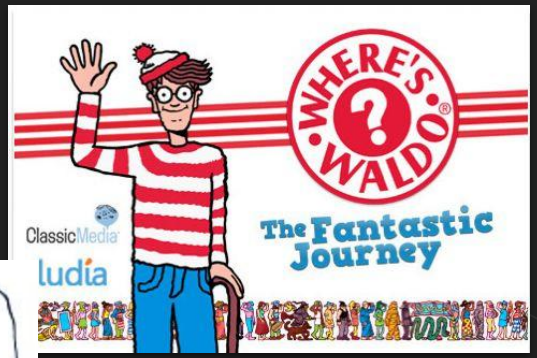
LIDS

Week of 2/19 Deliverables

Pipeline


GET ALL THE INFORMATION YOU CAN, WE'LL THINK OF A USE FOR IT LATER.


WHERE'S WALDO
The Fantastic Journey
ClassicMedia
ludia


Congratulations
CARTOONSTOCK .com
Search ID: rbon1516

Josh’s Goals

Last week:

- Expand existing tiff stacks into individual slices
- ‘Disinterleaf’ slices into red and green folders

Sprint 3:

Pipeline for data into Boss

Deliverables

https://docs.google.com/spreadsheets/d/10T8_xHhfbwmBFOYeMgE3I8zxweNuebgUDilXqM1Wkak/edit#gid=0

Next Week’s Goal

Import existing data into Boss

- Gives everyone access to all of our data
- Allows team to use separated channel images, instead of subtracted ones
- Allows Bijan to move forward with annotation upload
- Necessary step towards completing sprint 3 goal

Drishti’s Goals

Last week:

- Run Cobalt’s Bloby package- Jovo proven correct, again :(
- Add an ‘About’ section to Github pages

Sprint 3:

We are your checkpoint, and you are our starting point:

- Synapse detection: run existing algorithms on our data. Use results to either optimize the same algorithms or initiate construction of another

We understand what we are about, does anyone else?

- Maintain central web presence using Github pages

Deliverables

Updated LIDS

Bloby run results

1. Run results (one of few other errors; docker works now):

```
Drishtis-MacBook-Pro:~ drishtimannan$ docker pull srivathsapv/bloby:init_version
Warning: failed to get default registry endpoint from daemon (Cannot connect to
the Docker daemon at unix:///var/run/docker.sock. Is the docker daemon running?)
. Using system default: https://index.docker.io/v1/
Cannot connect to the Docker daemon at unix:///var/run/docker.sock. Is the docke
r daemon running?
```

Next Week’s Goals

Use Bootstrap templates to create a *dope-r* version of LIDS’ page - add team info/pics

Work with Srivathsa to update and run Bloby

Sharmini’s Goals

Last week:

- Run PLoS alg on TP 4
- Literature Review (Probabilistic fluorescence-based synapse detection - just need to read R&D sections)

Sprint 3:

- Image registration for annotated time points
- Maintain central web presence for LIDS

Next Week’s Goals

- Run PLoS alg, finally on TP 4/Extract probability map
- Run Bloby detection package (after Drishti/Ananya)
- Start researching image registration
- Update LIDS project mission statement on website

Ananya’s Goals

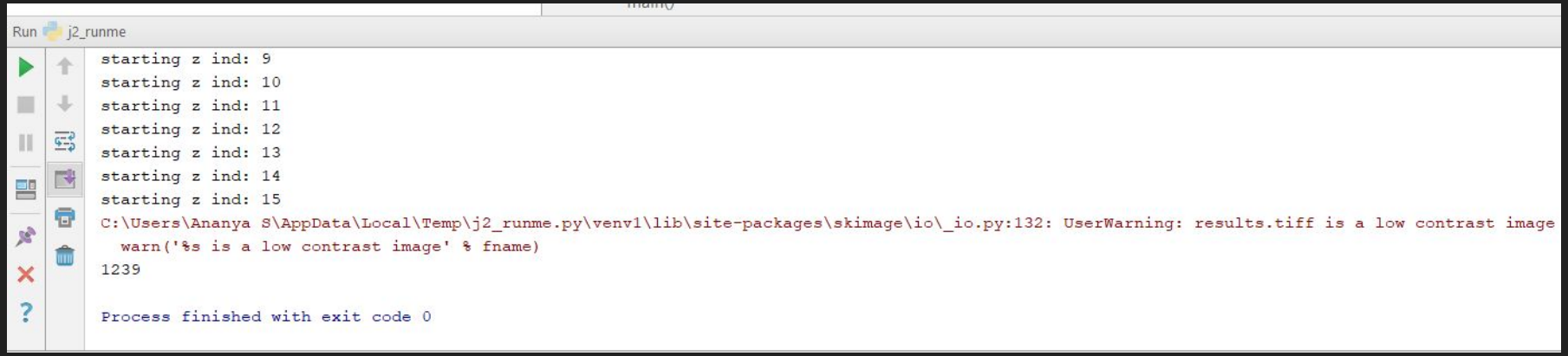
Last week:

- Run PLoS on timepoint 1

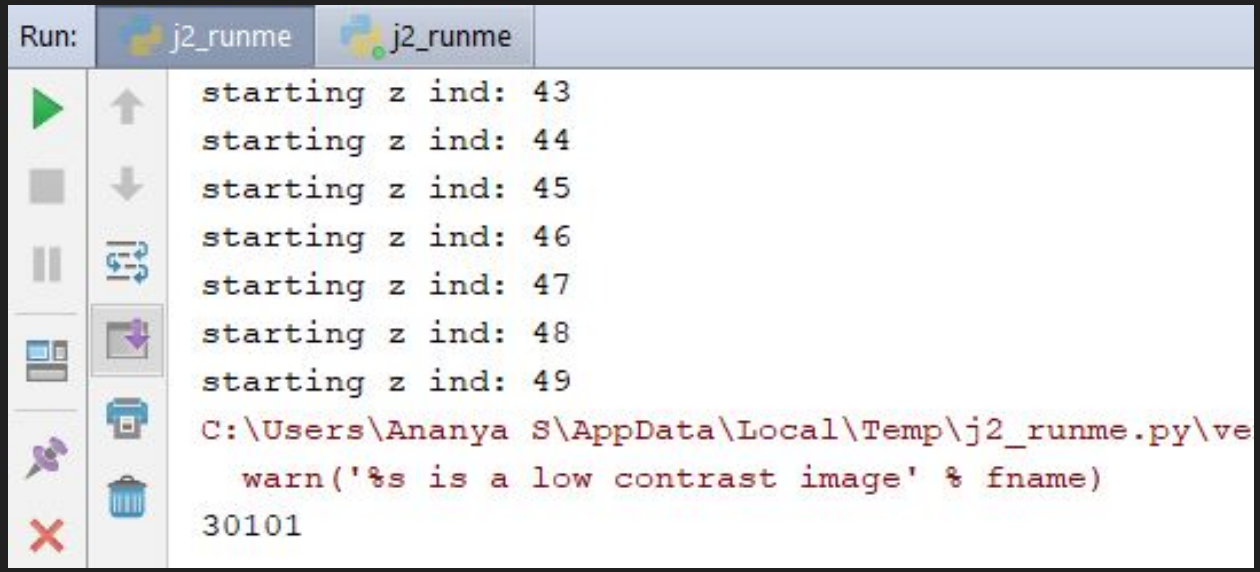
Sprint 3:

- Synapse detection (research ways to optimize algorithms)

Deliverables



Deliverables



Deliverables

Next Week’s Goals

- Help Drishti run Bloby

David’s Goals

Last week:

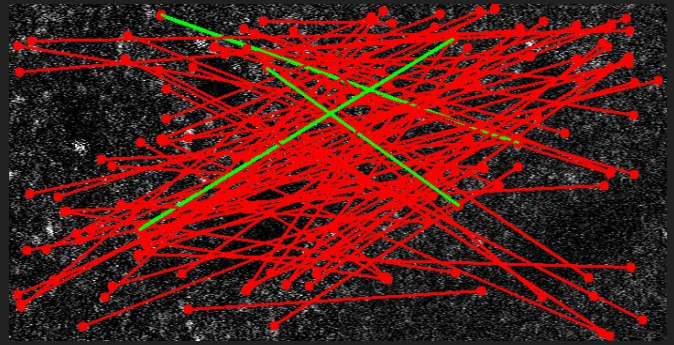
- Rigid body image alignment on Huganir data

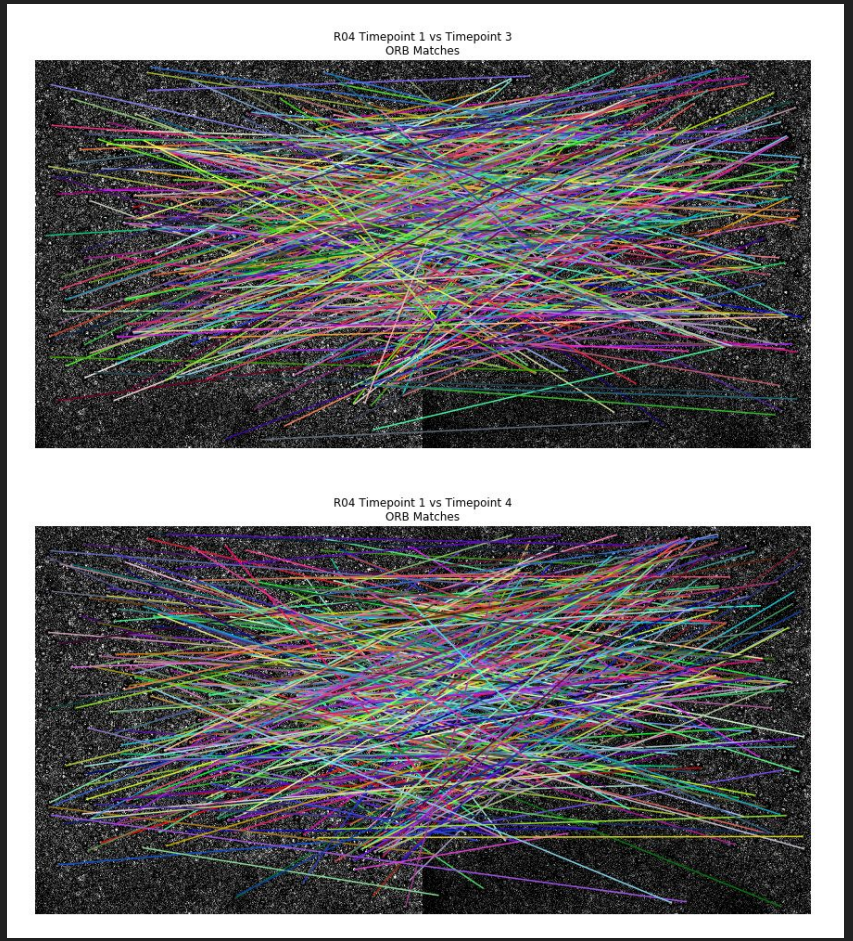
Sprint 3:

- Perform image registration and synapse detection to determine appropriate direction for Sprint 4 and the MVP

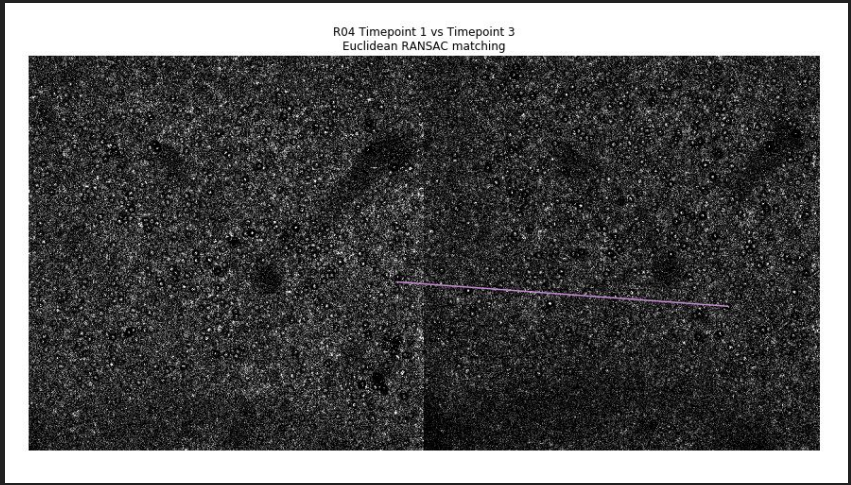
Deliverables

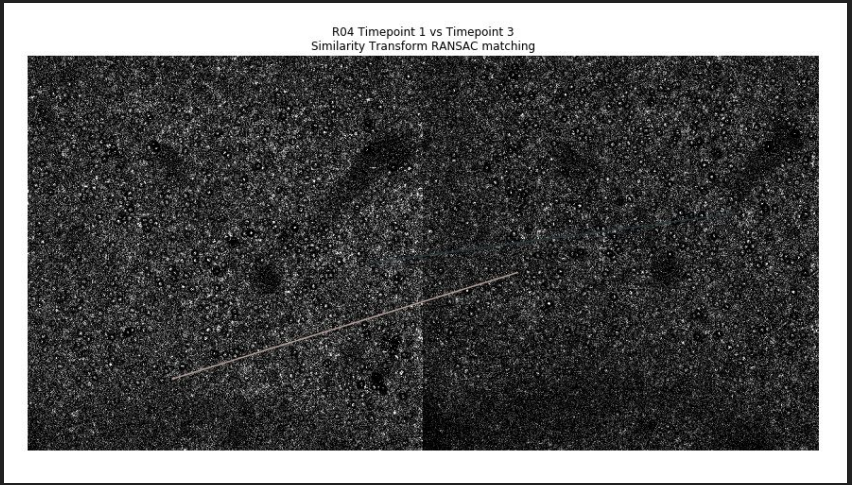
R04 Timepoint1 vs Timepoint4
Harris Feature Matches



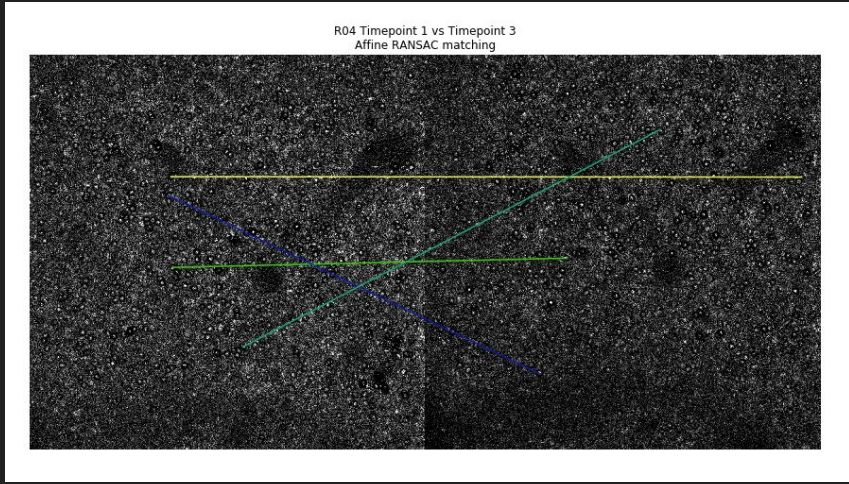


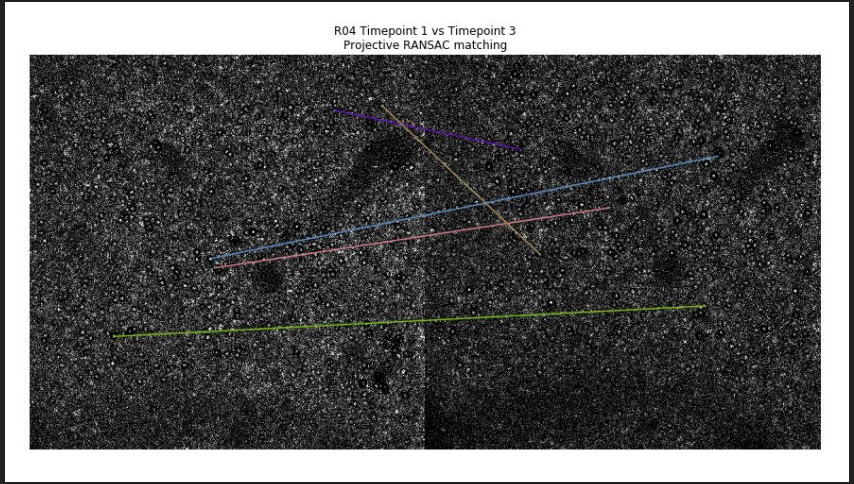
Deliverables





Deliverables





Next Week’s Goals

- Annotate and use blood vessel data to aid registration
- Preprocess images to aid linear transforms