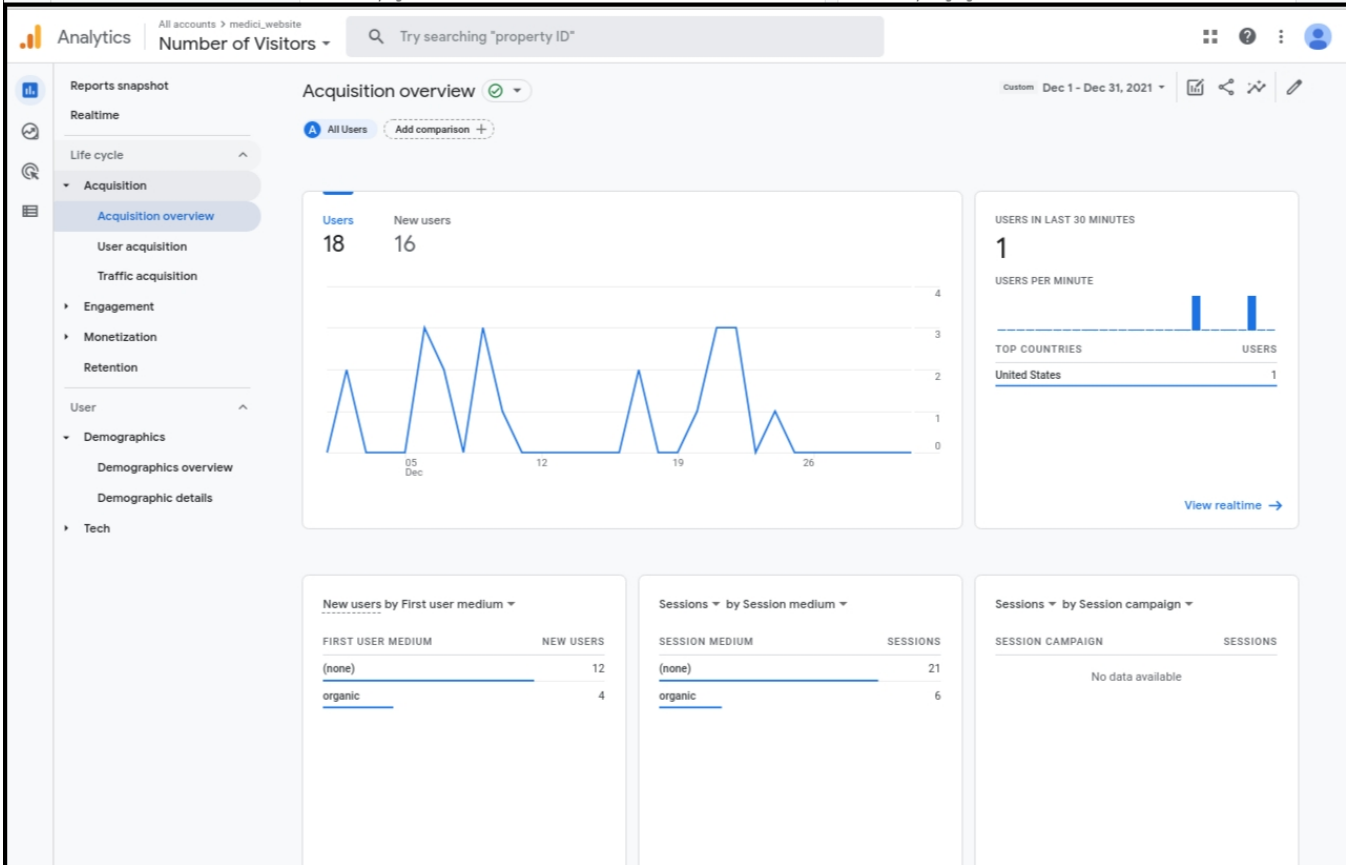
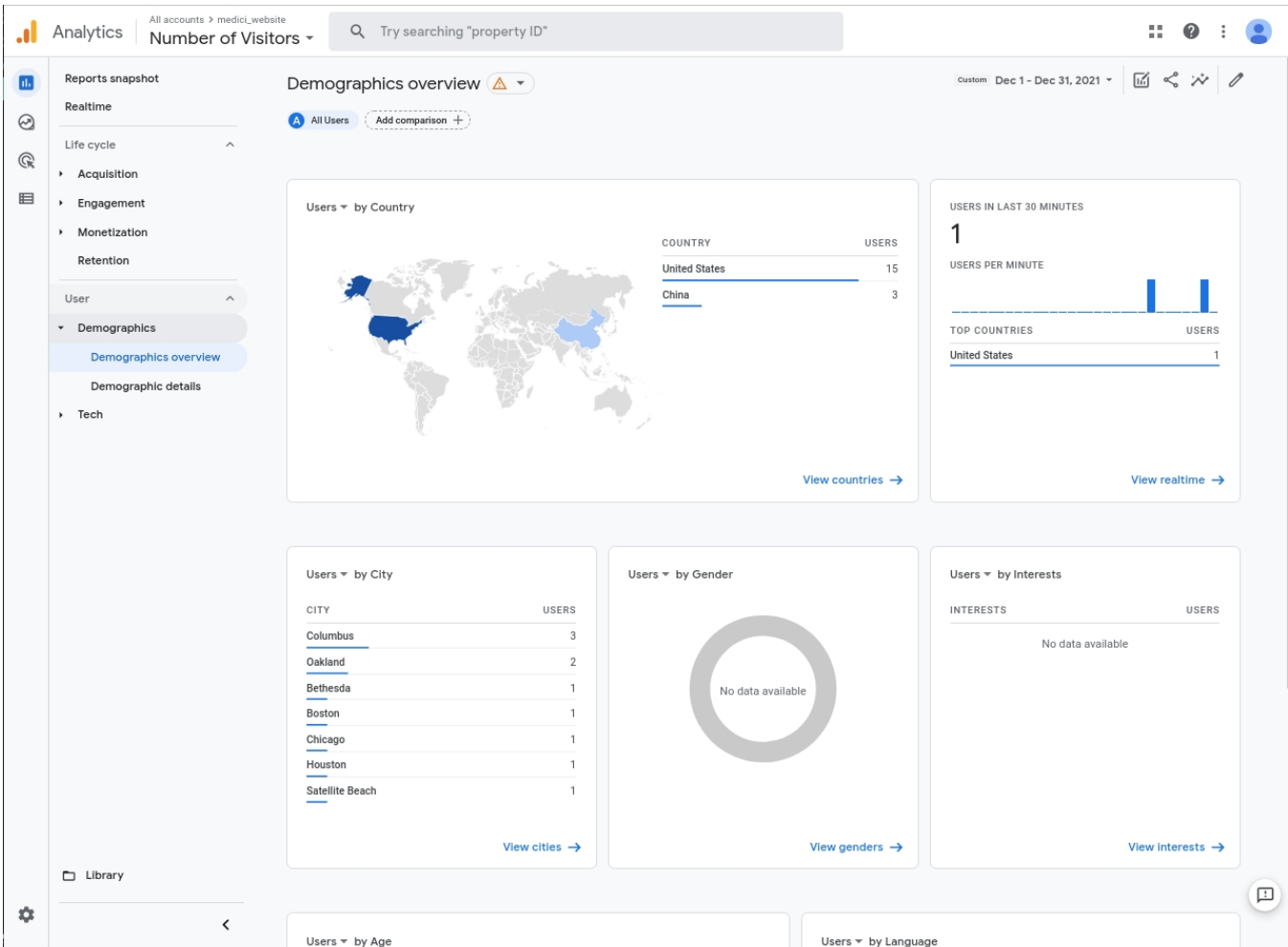


2021-12 Monthly Status Report

Google Analytics Report:





Activities completed this month

- The [BMMR2: Breast Multiparametric MRI for prediction of NAC Response](#) challenge is over and has 8 submissions. Closes submissions as Dr. Newitt doesn't want to share the data as of now.

Download CSV

Download all submissions on leaderboard

| Results | | | | | | | | |
|---------|----------------------------|---------|--------------------|----------------------|------------|-----------|-----------|----------------------|
| # | User | Entries | Date of Last Entry | Team Name | < Rank > ▲ | AUC ▲ | wCV ▲ | Detailed Results |
| 1 | tmearest | 10 | 12/13/21 | SimBioSys | 2.500 | 0.893 (1) | 0.000 (4) | View |
| 2 | wmankowski | 10 | 12/21/21 | PennMed CBIG | 3.000 | 0.840 (2) | 0.000 (4) | View |
| 3 | simona-rc | 10 | 12/21/21 | BigMed | 3.500 | 0.838 (3) | 0.000 (4) | View |
| 4 | OscarPV | 4 | 11/24/21 | | 3.500 | 0.803 (4) | 0.027 (3) | View |
| 5 | vivixinzhi | 6 | 11/13/21 | Cai's Radiomics Team | 3.000 | 0.746 (5) | 0.665 (1) | View |
| 6 | JHU_QIN | 6 | 12/22/21 | | 5.000 | 0.733 (6) | 0.000 (4) | View |
| 7 | jcdicarlo | 4 | 12/24/21 | OMG_UT | 5.500 | 0.700 (7) | 0.000 (4) | View |
| 8 | ran | 10 | 12/21/21 | MRRL | 6.000 | 0.659 (8) | 0.000 (4) | View |
| 9 | qin-organizer | 12 | 08/10/21 | | 5.500 | 0.615 (9) | 0.053 (2) | View |

- MIDRC work is picking up. We need an annotation tool to gather the ground truth and it will be apart of the MedICI challenge site when we launch.

i. I've made may small changes including:

1. keyboard shortcuts for selecting images with arrow keys:


Tasks1 unfinished tasks

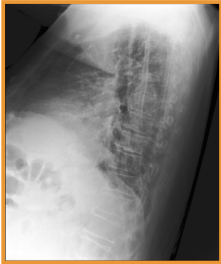
Current TaskYou are on comparison 1 of 10

Current User: Sam

Label Frontal Image

Keyboard Shortcuts: OnInstructions


frontal


lateral

Reject

Accept

2. Reject modal for discussing what's wrong with an image pair if there is an issue.

What is the reason for rejection?

☐ Not Frontal/Lateral Pair

☐ Poor Image Quality

☐ Poor Patient Positioning

☐ Other

Enter additional comments (optional):

default comment

Reject

Cancel

3. Summary view of all choices before final submit:

Relabel incorrect images

Submit Classifications

How many columns would you like 2


Choose a class: frontal


Choose a class: frontal


Choose a class: frontal


Choose a class: reject


Choose a class: lateral


Choose a class: lateral


Choose a class: lateral


Choose a class: reject

- [DAIR Digital Breast Tomosynthesis Cancer Detection Challenge - Phase 2 \(DBTex2\)](#) - Dr. Mateusz Buda has reached out about a potential data problem for the test phase. I have send the code and data I used and we are working to make sure the challenge results from participants are accurate. Will be in touch with him over the next couple days to make sure everything is in order.
 - UPDATE (01_07_2022): Sent a follow up email. Not sure what the resolution is so far
- Tested new github commits to the codalab framework [code](#). They have merged in code that was porting the project to python3 (previously I was doing this on my own). It still has some issues. Will keep monitoring it so we can get an updated codalab base for our projects.
 - UPDATE (1_07_2022): I emailed the codalab team asking for updates regarding the python3 port of the old codalab. I also asked about their future project codabench. They informed me that they are working on both but the python3 port for now (as they have a small team). They offered me a chance to join the meetings and perhaps help. I will join their Monday\Thursday calls to catch and see if and how I can help.

Planned for next month

- MIDRC Challenge 0 which will feature docker submissions as well as the Image Comparator app and a jupyter notebook for annotator analysis. - Still waiting on credits for Azure use.
 - UPDATE (01_07_2022): no credits
- Jayashree has me collaborating with Steve Piper (sponsored collaborator) who has built a way to make OHIF (medical imaging viewer) talk to a database called couchdb. This is a nosql record style database that the app I'm building for MIDRC is based on. The plan is to integrate OHIF into this app and be able to launch beside codalab and MedICI in general. This would allow ePAD and caMicroscope like functionality with more flexibility as well. Progress on this will come soon as I dive in.
 - UPDATE (01_07_2022): Haven't started
- Figure out how to add a phase to a challenge (SPIE specifically with Dr. Mazurowski but maybe others as well).
 - UPDATE (01_07_2022): Turns out the button to add a phase was commented out and luckily un commenting it added the functionality back in!
- Re secure DL Sparse certificate
 - UPDATE (01_07_2022): Done as well as other sites that needed it
- Emailed Dr. Bilal Tahir regarding if he wants his challenge open: <http://aapmchallenges.cloudapp.net/competitions/35>. Awaiting reply.

Paused

1. Continue getting CodaLab running on NCI's network and VMs:
 - a. Issues:
 - i. Credentials for AWS bucket not active and we cannot talk to the bucket. Need to reach out to Tony Bigham (tony.bigham@nih.gov) to get those refreshed.
 - ii. On my local machine I deployed the updated CodaLab code and tried connecting to my own S3 bucket instance. I noticed that there is a javascript error making the request to the bucket. I need to setup up a similar but more simple setup to figure out how to upload data to s3 via javascript http requests so that I can trouble shoot the error on NCI's system and or mine. If we could use Azure, this might be resolved.
 - b. UPDATE (01_07_2022): Isabelle Guyon of chlearn.org has invited me to some zoom meetings with the maintainers of codalab. I will try to help bring codalab into the python3 future and help us to have a solid foundation for MedICI custom features as well as have code that might pass NCI inspection on the security side.

| Meeting | Date |
|----------------------|-------------|
| Bi-weekly Meeting #1 | 09 Dec 2021 |
| Bi-weekly Meeting #2 | 23 Dec 2021 |

Milestones

| Description | Date |
|-------------|------|
| | |

Task in Progress

| Description | Status | Creation Date | Close Date |
|-------------|--------|---------------|------------|
| | | | |

Risks

| Description | Mitigation | Rank | Status | Creation Date | Realization | Close Date |
|-------------|------------|------|--------|---------------|-------------|------------|
| | | | | | | |

