Default Report

2019-Brainhack

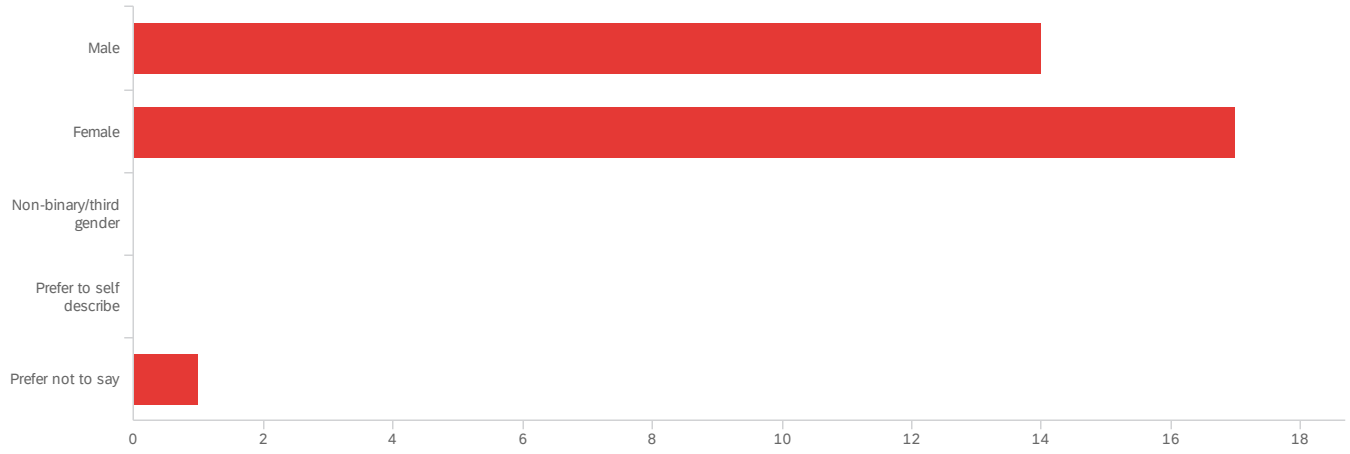
August 7, 2020 10:00 AM MDT

Q1 - Please enter your first name and last name in the form below.

First Name	Last Name
yann	vanrobaeys
vanessa	alizo
sterling	ortega
kanza	khan
banu	gumusoglu
Taylor	Thomas
Tanner	Koomar
Shiba	Kuanar
Nana	Owusu
Michelle	Voss
Melanie	King
Megan	Schumer
Matt	Sodoma
Maria	Noterman
Leo	Brueggeman
Lea	Tiyavorabun
Krystal	Nizar
Johanna	Uthoff
Jatin	Vaidya
Huyen	Le

First Name	Last Name
Hunza	Zainab
Huan	Cai
Hans	Johnson
Gavin	Ramos
Gary	Christensen
Ethan	Bahl
Chooza	Moon
Beng Choon	Ho
Austin	Bruce
Anh	Nguyen
Amy	Chen
Amanda	Pan
Adam	Strier

Q2 - What is your gender?



#	Field	Minimum	Maximum	Mean	Std Deviation	Variance	Count
1	What is your gender? - Selected Choice	1.00	5.00	1.66	0.77	0.60	32

#	Field		Choice Count
1	Male	43.75%	14
2	Female	53.13%	17
3	Non-binary/third gender	0.00%	0
4	Prefer to self describe	0.00%	0
5	Prefer not to say	3.13%	1
			32

Showing rows 1 - 6 of 6

Q2_4_TEXT - Prefer to self describe

Prefer to self describe

Q3 - What is your email address?

Email Address
addam@protonmail.com
gavin-davis-ramos@uiowa.edu
yvanrobaeys@uiowa.edu
lea-tiyavorabun@uiowa.edu
chephen_cai@hotmail.com
leo-brueggeman@uiowa.edu
robert-bruce@uiowa.edu
hunza-zainab@uiowa.edu
ethan-bahl@uiowa.edu
tanner-koomar@uiowa.edu
Krystal-nizar@uiowa.edu
matthew-sodoma@uiowa.edu
kanza-khan@uiowa.edu
chooza-moon@uiowa.edu
maria-noterman@uiowa.edu
huyen-t-le@uiowa.edu
sterling-ortega@uiowa.edu
serena-gumusoglu@uiowa.edu
taylor-r-thomas@uiowa.edu
melanie-king@uiowa.edu
anh-nguyen-1@uiowa.edu
jatin-vaidya@uiowa.edu

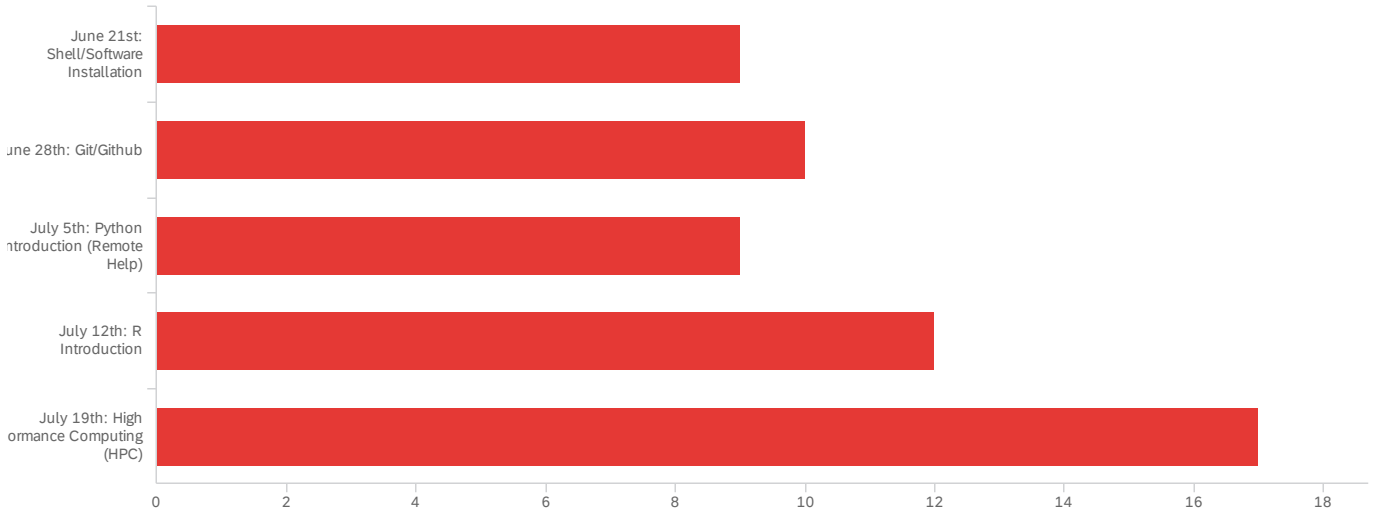
Email Address
shiba-kuanar@uiowa.edu
yue-pan-1@uiowa.edu
johanna-uthoff@uiowa.edu
nana-owusu@uiowa.edu
beng-ho@uiowa.edu
gary-christensen@uiowa.edu
vanessa-alizo@uiowa.edu
amy-chen@uiowa.edu
michelle-voss@uiowa.edu
megan-schumer@uiowa.edu
hans-johnson@uiowa.edu

Q9 - Do you have any dietary restrictions?

Do you have any dietary restrictions?
no
vegetarian
no
no
No
no
No dairy
No
no
no
none
vegetarian
No
No
No
Vegetarian
Veg
no
None
No
none
no

Do you have any dietary restrictions?
No
no chicken, prefer lower carb options
No

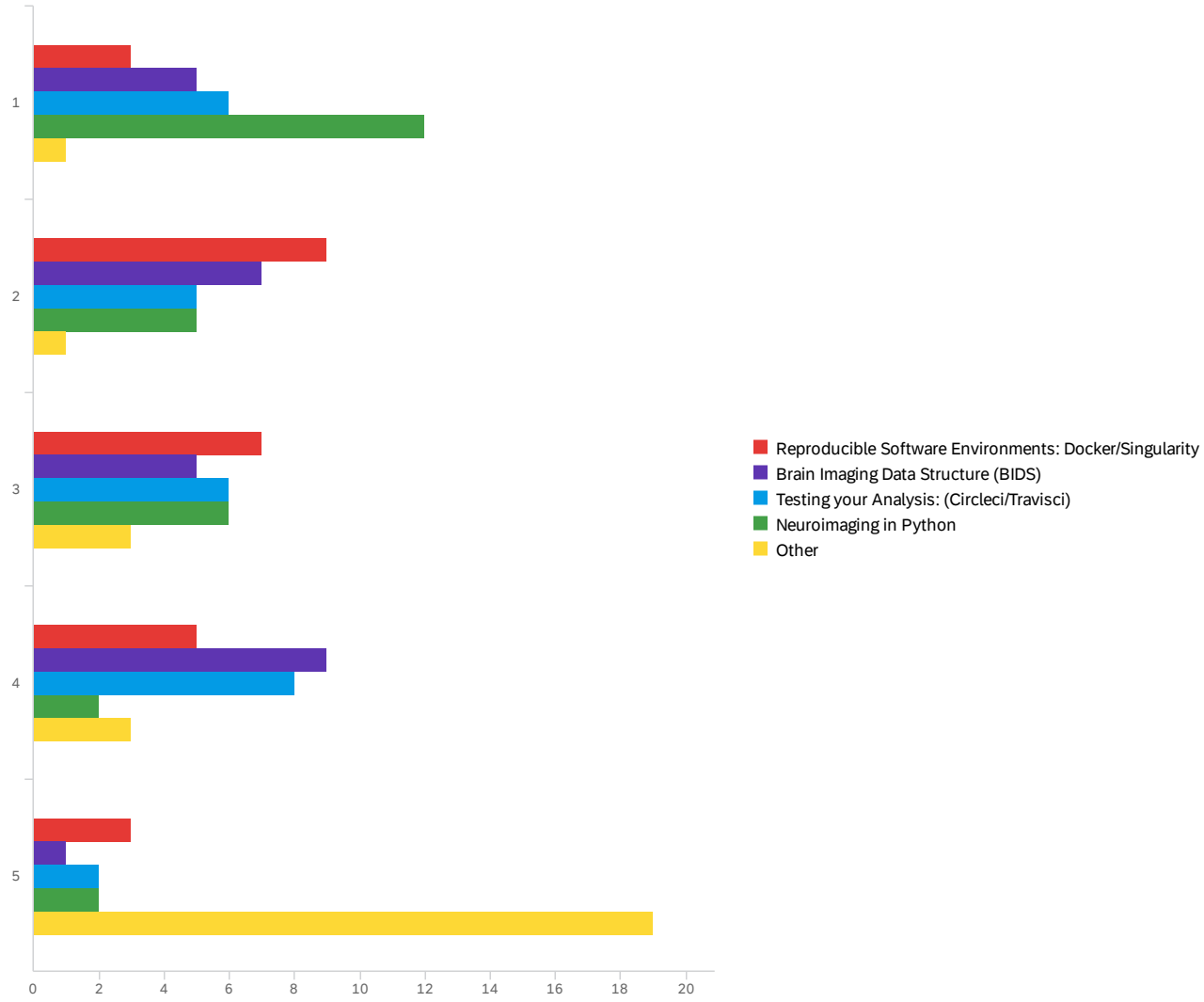
Q4 - Please indicate which training sessions you would like to participate in (you will receive emails with the necessary materials and the location of the session).



#	Field		Choice Count
1	June 21st: Shell/Software Installation	15.79%	9
2	June 28th: Git/Github	17.54%	10
3	July 5th: Python Introduction (Remote Help)	15.79%	9
4	July 12th: R Introduction	21.05%	12
5	July 19th: High Performance Computing (HPC)	29.82%	17
			57

Showing rows 1 - 6 of 6

Q5 - There will be two optional workshops during the brainhack, please rank which topics you would like to cover.



#	Field	Minimum	Maximum	Mean	Std Deviation	Variance	Count
4	Neuroimaging in Python	1.00	5.00	2.15	1.27	1.61	27
2	Brain Imaging Data Structure (BIDS)	1.00	5.00	2.78	1.20	1.43	27
3	Testing your Analysis: (Circleci/Travisci)	1.00	5.00	2.81	1.28	1.63	27
1	Reproducible Software Environments: Docker/Singularity	1.00	5.00	2.85	1.18	1.39	27
5	Other	1.00	5.00	4.41	1.06	1.13	27

#	Field	1		2		3		4		5		Total
1	Reproducible Software Environments: Docker/Singularity	11.11%	3	33.33%	9	25.93%	7	18.52%	5	11.11%	3	27
2	Brain Imaging Data Structure (BIDS)	18.52%	5	25.93%	7	18.52%	5	33.33%	9	3.70%	1	27
3	Testing your Analysis: (Circleci/Travisci)	22.22%	6	18.52%	5	22.22%	6	29.63%	8	7.41%	2	27
4	Neuroimaging in Python	44.44%	12	18.52%	5	22.22%	6	7.41%	2	7.41%	2	27
5	Other	3.70%	1	3.70%	1	11.11%	3	11.11%	3	70.37%	19	27

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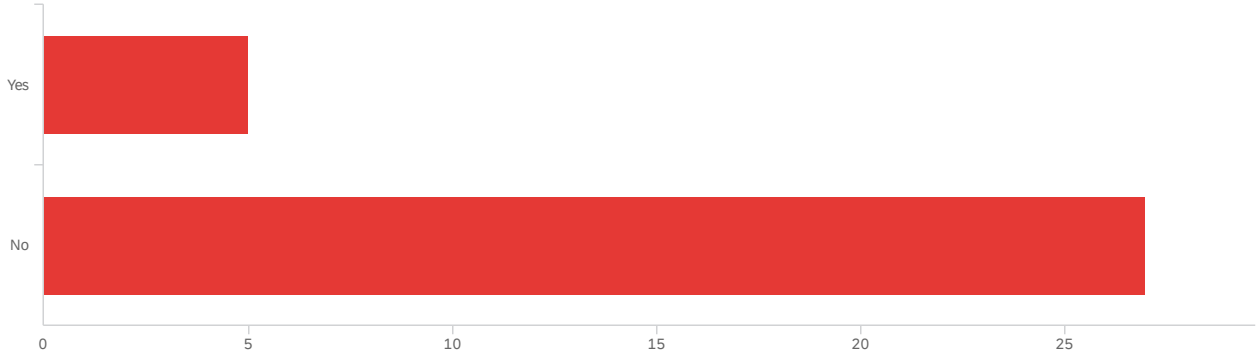
Q6 - Do you have a project idea that is not listed on the projects page?



#	Field	Minimum	Maximum	Mean	Std Deviation	Variance	Count
1	Do you have a project idea that is not listed on the projects page?	1.00	2.00	1.84	0.36	0.13	32

#	Field		Choice Count
1	Yes	15.63%	5
2	No	84.38%	27
			32

Showing rows 1 - 3 of 3

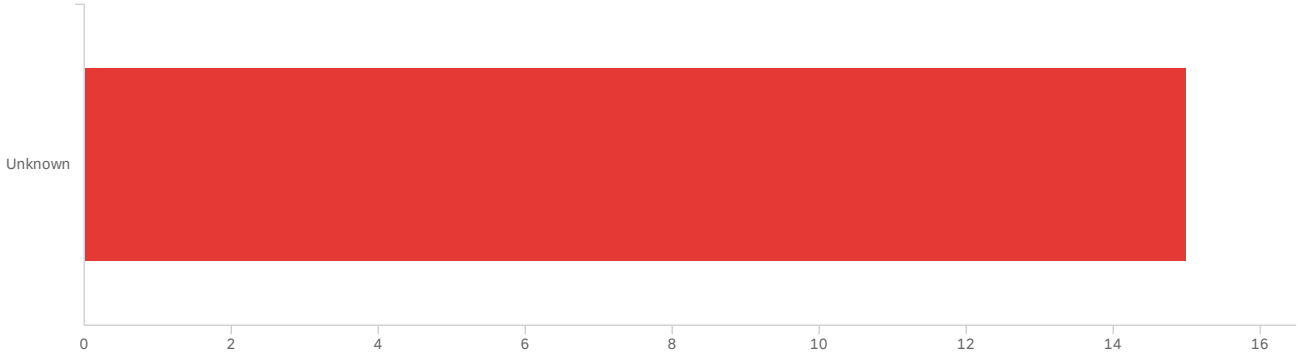
Q7 - What is the title of the project?

What is the title of the project?
Sequence-based deep learning models.
Correcting for Confounders in Deep Learning on Structural MRI
-Omics Analysis
PigRestNets
BRAINS AutoWorkup BIDS Conformance

Q8 - Briefly describe the project in 1-5 sentences.

Briefly describe the project in 1-5 sentences.
The goal of the project is to develop sequence-based deep learning models to predict the impact of variation in non coding portions of the genome which shape transcriptional regulation associated with cognitive processes.
With the large number of interactions detected by CNNs, the optimal way to correct for known confounders in brain imagining seems to be within the network itself. This project will focus on experimenting with model architectures on a multi-site dataset.
How to organize, normalize, and analyze data from omics level datasets (ie; proteomics, metabolomics, transcriptomics)
I would like to adapt mriqc and fmriprep to run with pig anatomical template, and then run resting state functional connectivity analyses. Final goal would be to run a seed-based analysis, determine ROIs for whole brain analyses, and get ROI-ROI correlation matrix from ROIs. Ultimate goal is to test whether we see similar set of canonical networks in pig as human and primate.
The BRAINS AutoWorkup proprietary output structure will better serve the community if it generates BIDS compliant derivative outputs. This project will focus on the efforts necessary to generate BIDS compliant output.

Q9 - Topics



#	Field		Choice Count
Unknown	Unknown	100.00%	15

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End of Report