



Robert Simpson
University of Oxford

ZOONIVERSE

Take part in
Science Projects

Experiment in
Laboratory

We've done it!

1 MILLION VOLUNTEERS

participating in the Zooniverse

All

Space

Climate

Humanities

Nature

Biology

Space

Sort by Category



How do galaxies form?

NASA's Hubble Space Telescope archive provides hundreds of thousands of galaxy images.

GALAXY ZOO



Explore the surface of the Moon

We hope to study the lunar surface in unprecedented detail.

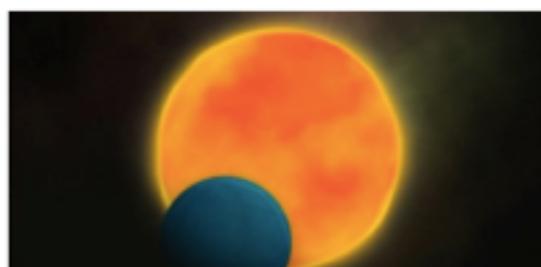
MOON ZOO



Study explosions on the Sun

Explore interactive diagrams to learn about the Sun and the spacecraft monitoring it.

SOLAR STORMWATCH



Find planets around stars

Lightcurve changes from the Kepler spacecraft can indicate transiting planets.

planethunters.org

Kevin Schawinski





GALAXY ZOO.org

Welcome | Home | The Science | How to Take Part | Galaxy Analysis | Forum | Press & News | FAQ | Links | Contact Us | Login | Register

| Galaxy Tutorial

| Galaxy Analysis

Galaxy Analysis

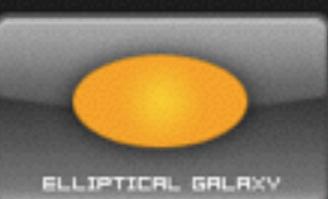
Welcome to Galaxy Zoo's view of the Universe. If you're here you should already have seen the [Tutorial](#), but feel free to go and remind yourself. There's no need to agonise for too long over any one image, just make your best guess in each case.



Show Grid Overlay on the next Image

Galaxy Ref:
588010880371851294

Choose the Galaxy Profile
by clicking the buttons
below

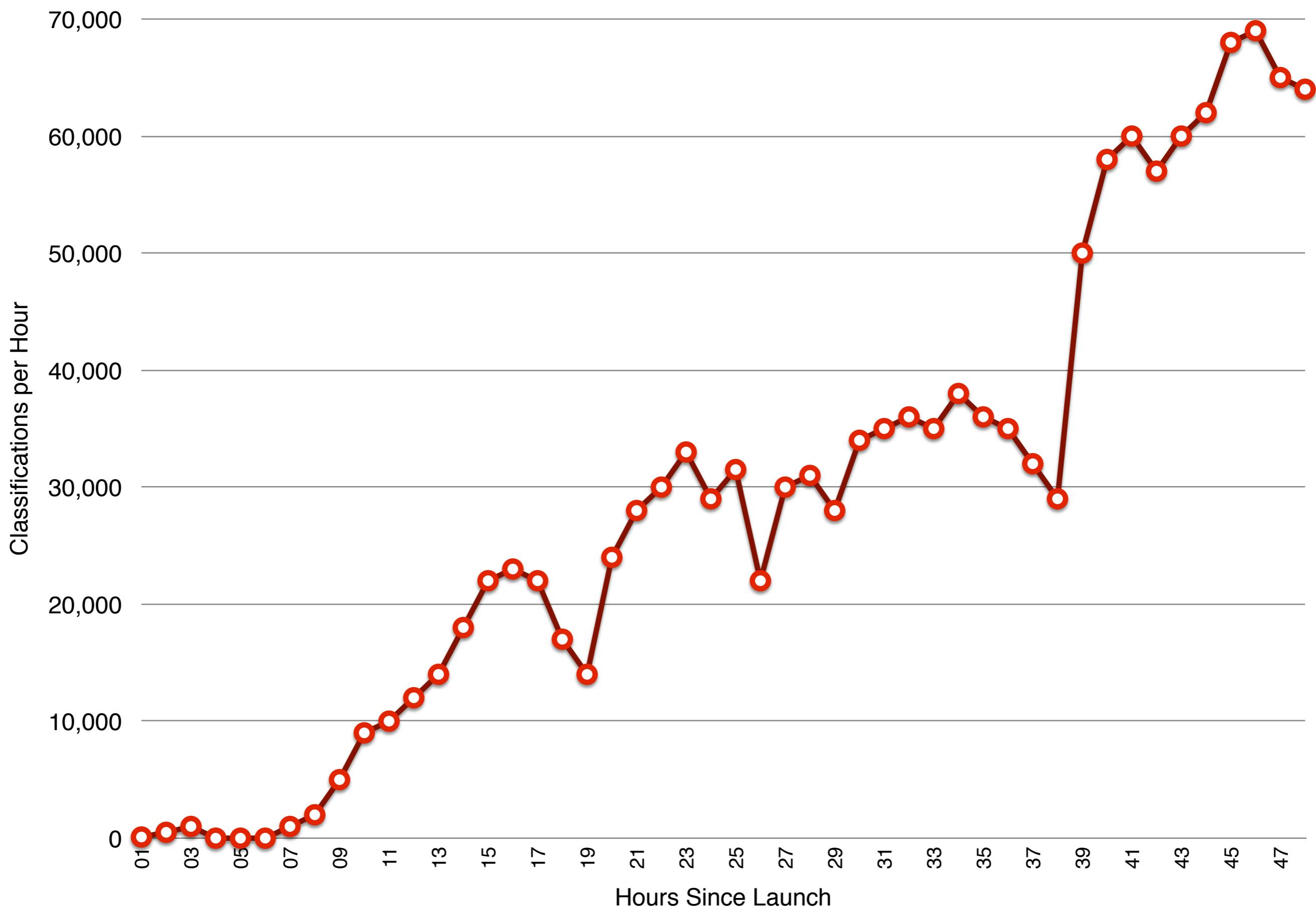


ELLiptical GALAXY



STAR /
DON'T KNOW

HERGERS





400,000

volunteers

classifications

200m



Galaxy Zoo: help astronomers classify galaxies

galaxyzoo.org

[CLASSIFY](#)[SCIENCE](#)[STORY](#)[ASTRONOMERS](#)[DISCUSS](#)[PROFILE](#)

Classify



SDSS



Favourite



Invert

[Help](#)[Restart](#)**SHAPE**

Is the galaxy simply smooth and rounded, with no sign of a disk?



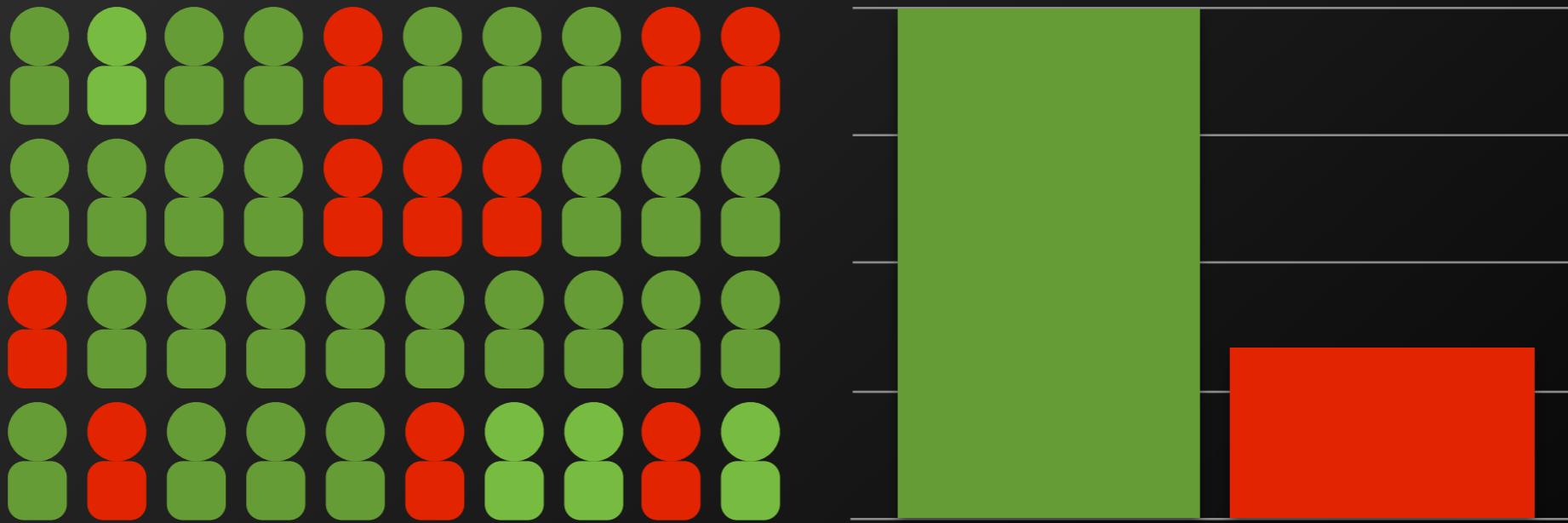
Smooth



Features or disk



Star or artifact



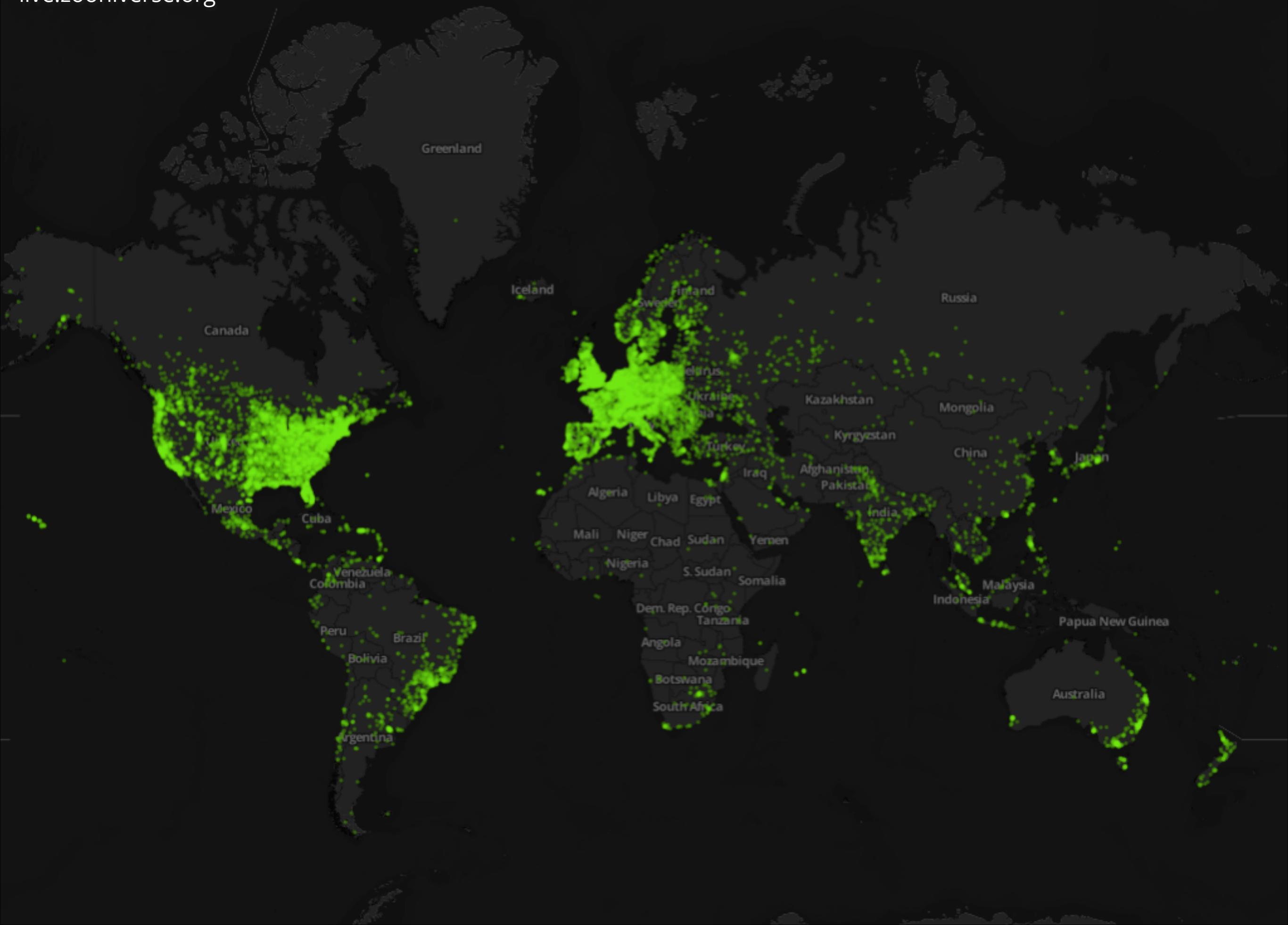
ZOONIVERSE



1M
worldwide



20
projects







ZOONIVERSE



50,000

volunteers

drawings

3,500,000



The Milky Way Project: measure and map our galaxy in infrared

milkywayproject.org



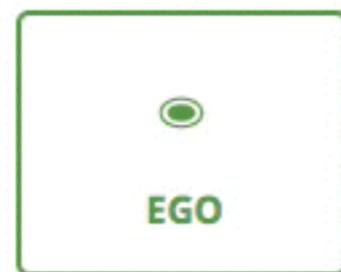
What do you see in this image?



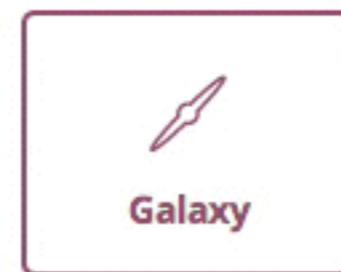
Bubble



Star Cluster



EGO



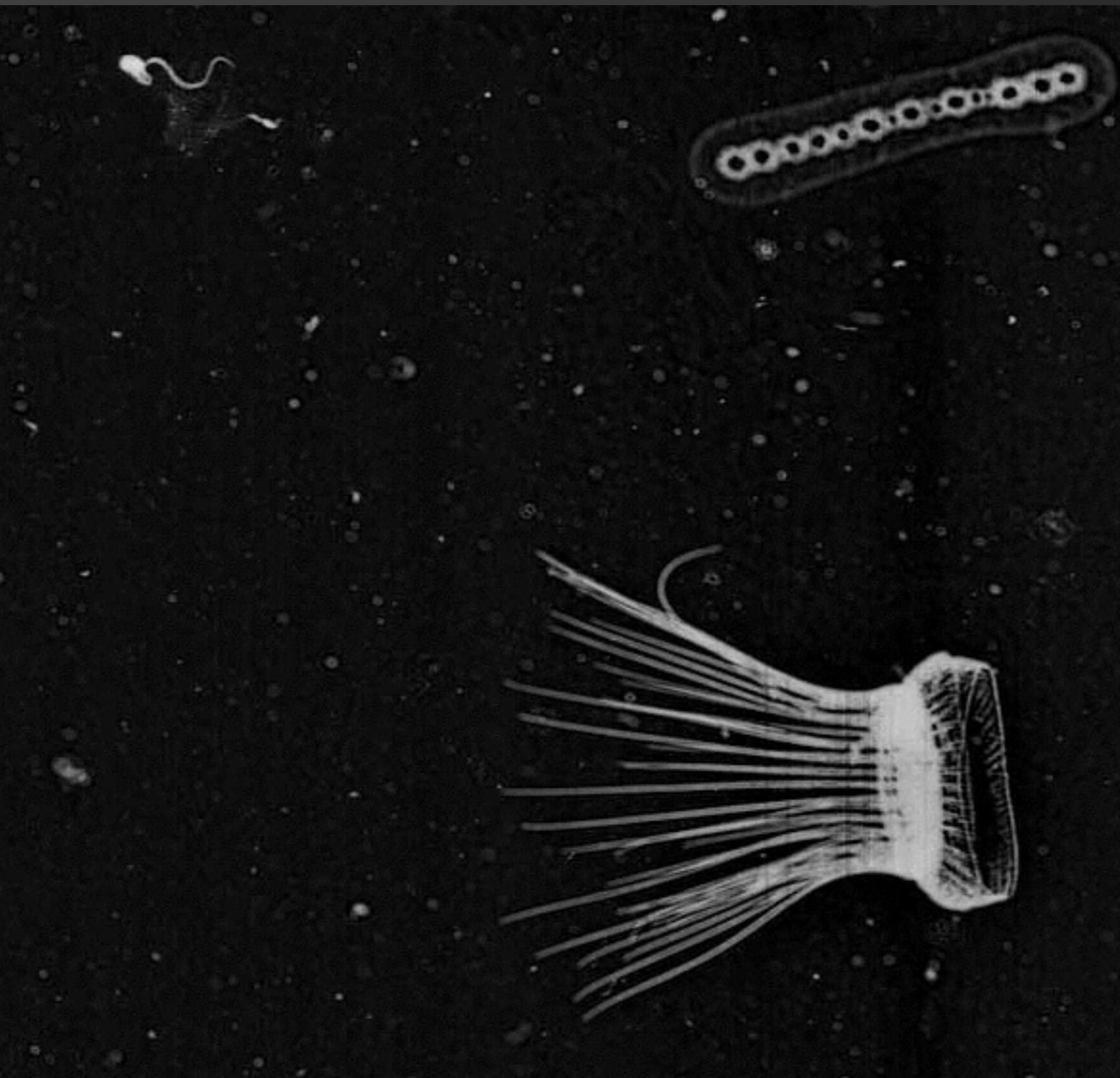
Galaxy



Object



Nothing
to mark

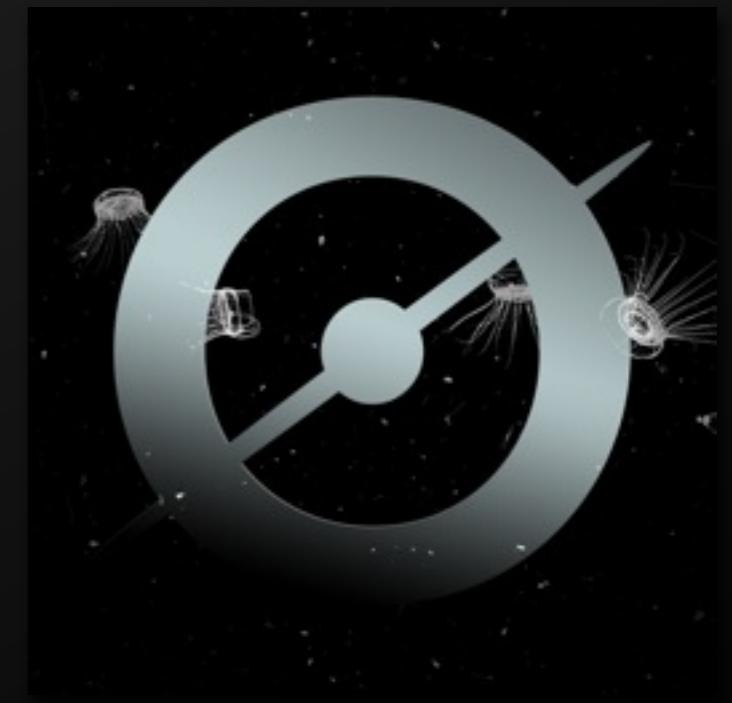


5,000

volunteers

classifications

400,000



Plankton Portal: tag various species of plankton to help us catalogue
the oceans

planktonportal.org



2014/1/27



0.00m



0.00°C

NUMBER
COUNTED

0

Finish

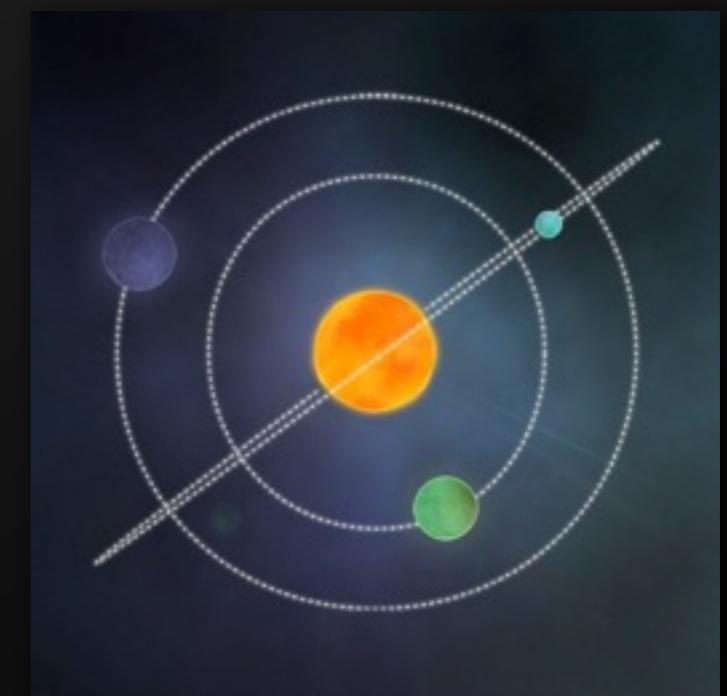
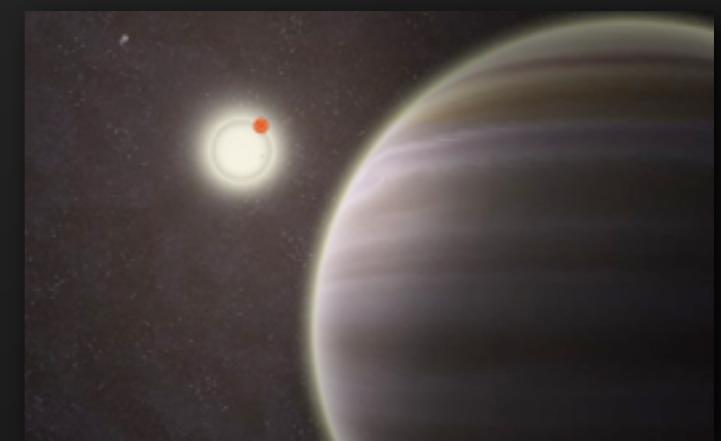
[Restart tutorial](#)

←
Home

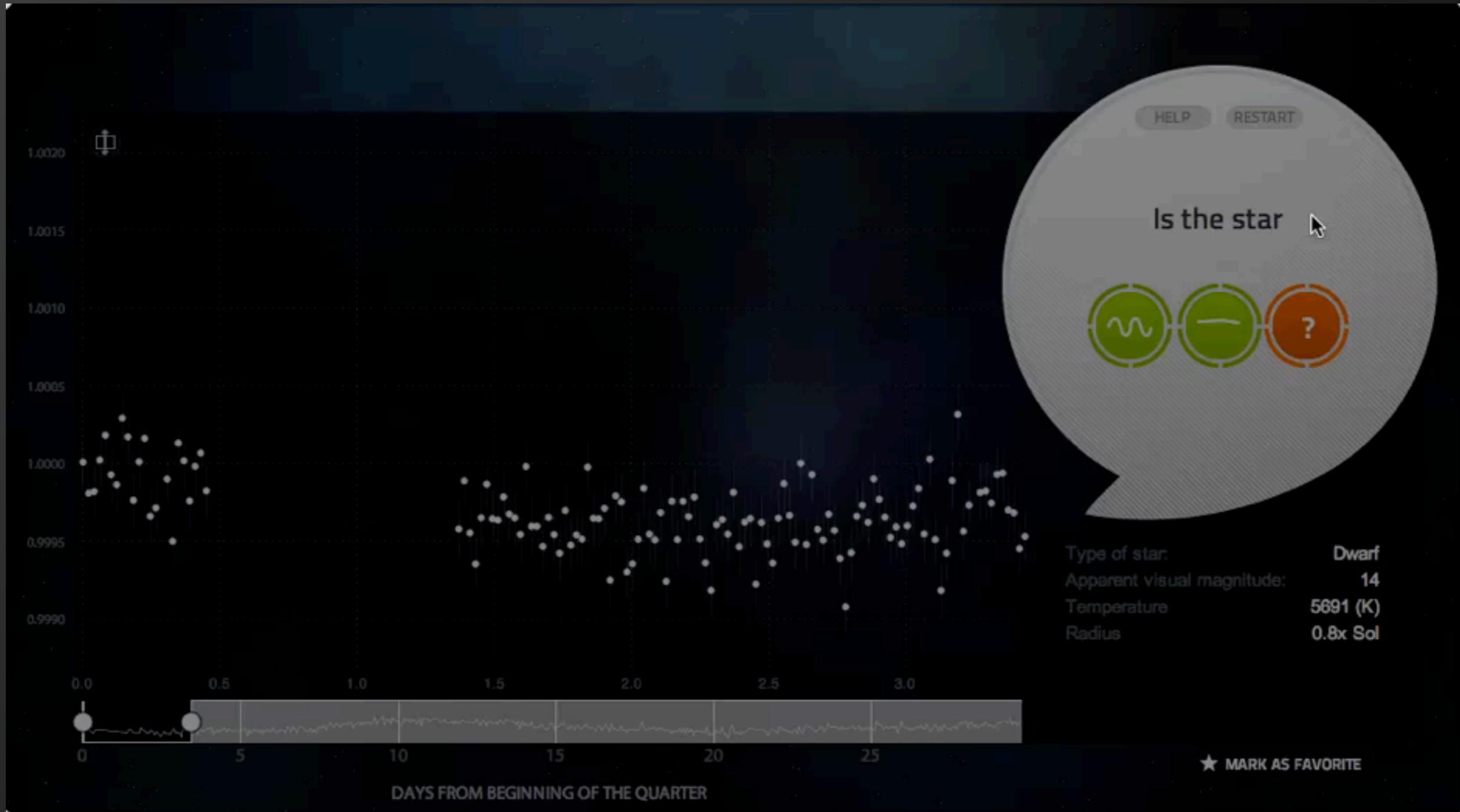


Planet Hunters: finding exoplanets in NASA Kepler data

250,000
volunteers
transits
20,000,000



planethunters.org





30,000

volunteers

classifications

10,000,000



Snapshot Serengeti: identify and describe animals in Serengeti
National Park

snapshotserengeti.org



Looks like

Pattern	Color	Horns	Tall	Build
Aardvark	Giraffe			Porcupine
Aardwolf	Guinea fowl			Reedbuck
Baboon	Hare			Reptiles
Bat-eared fox	Hartebeest			Rhinoceros
Bird (other)	Hippopotamus			Rodents
Buffalo	Honey-badger			Secretary bird
Bushbuck	Hyena (spotted)			Serval
Caracal	Hyena (striped)			Topi
Cheetah	Impala			Vervet monkey
Civet	Jackal			Warthog
Dik dik	Kori bustard			Waterbuck
Eland	Leopard			Wildcat
Elephant	Lion (female or cub)			Wildebeest
Gazelle (Grant's)	Lion (male)			Zebra
Gazelle (Thomson's)	Mongoose			Zorilla
Genet	Ostrich			Human

Nothing here

Finish

[Tutorial](#) [Clear filters](#)

ZOONIVERSE

200 billion hours a year
Spent watching TV by US adults



■ 100 million hours total
to create Wikipedia



16
years



Every
Hour



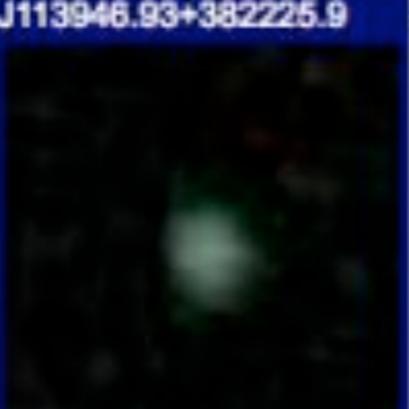
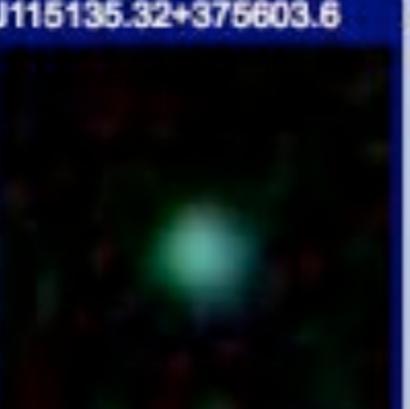
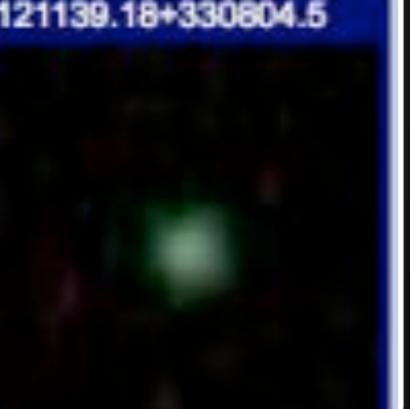
Cognitive Surplus

- Clay Shirky, NYU



ZOONIVERSE

Serendipity

587739376706978028 J102210.25+311713.9 	587739610239402144 J123453.39+332430.3 	587739609066741136 J113857.4+311846.6 	588017979967733988 J123126.52+405711.5 	588017720638570644 J110120.35+402242.3 
588017978351616137 J112615.25+385817.4 	588017977278988558 J113946.93+382225.9 	587739096597687419 J115135.32+375603.6 	587739408393044155 J122245.71+360218.4 	587739508616631548 J121139.18+330804.5 

Featured discussions

Hello everyone!
Posted in Introduce yourself
169 posts / 142 participant

Popular hashtags

frost	boulders	fans
boulder	spiders	fanfield
blotches	ice	blotchfield
spider	fan	blue
tramlines	Interesting	blotch
cracks	green	ridges
yardangs	bluefans	

People are Observing...



16 Comments, 2 Discussions

Is the blue bob an error on the image collected...

 by Neha_pk



22 Comments, 1 Discussions

Do you mean this one (inverted)? > Its the image in

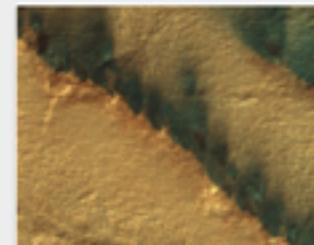
 by JellyMonster



19 Comments, 3 Discussions

No not figured it out yet, need to find a couple that fit together

 by wassock



12 Comments, 2 Discussions

#fans adjacent along #fault lines or cracks. Note smaller brown

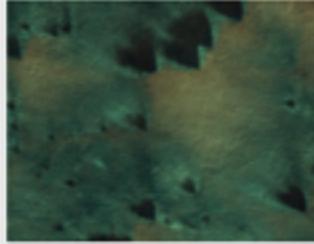
 by ang60



11 Comments, 2 Discussions

Iv also come across more images of the same patterns

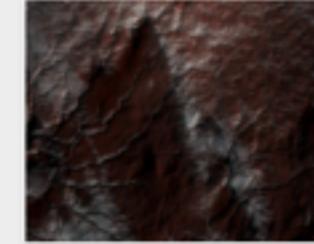
 by rowbumby



6 Comments, 1 Discussions

#fan black fans overlying green copper coloured fans on light

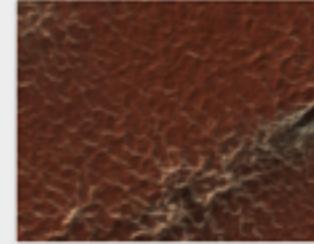
 by JohnRon



6 Comments, 2 Discussions

#fan area underlying frost

 by JohnRon



9 Comments, 2 Discussions

I use Paint Shop Pro 7 mostly. I also like IrfanView (freeware).

 by JellyMonster

Currently Online

3 users

 Shona.Anne

 ttfnrob

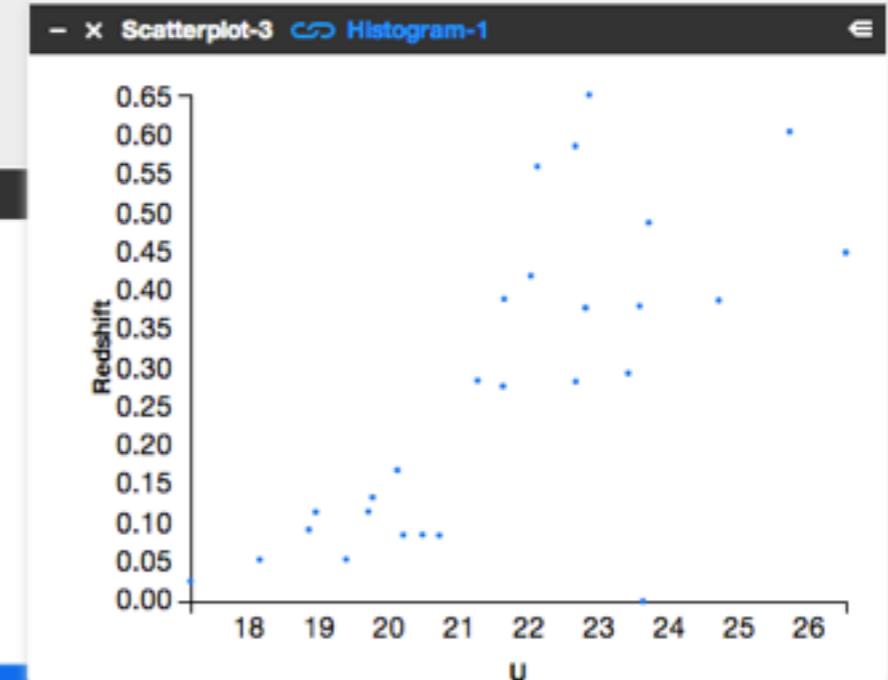
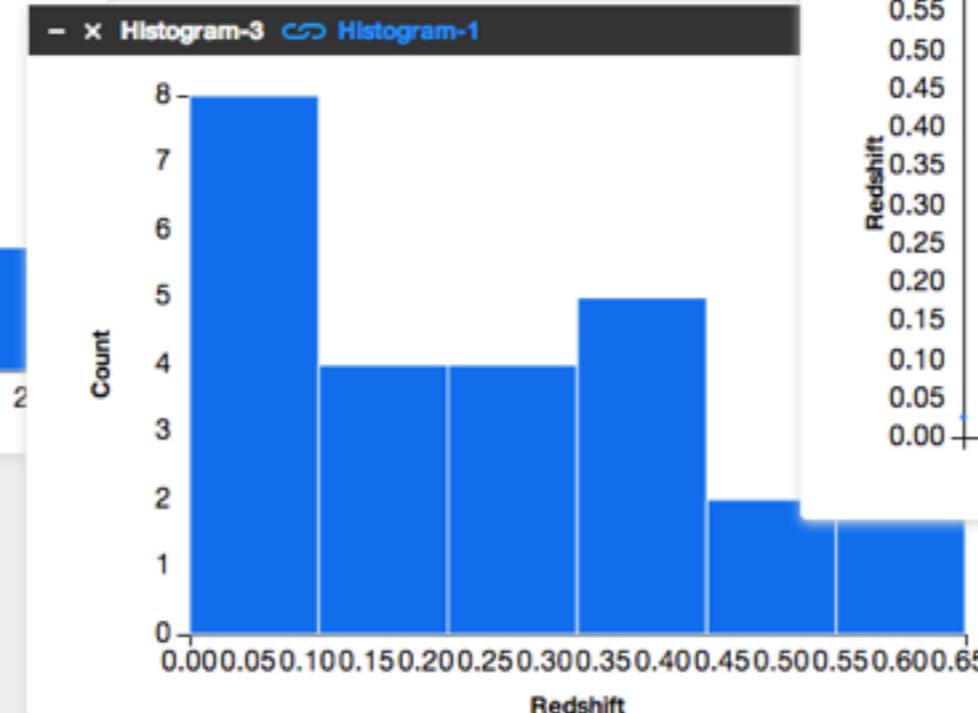
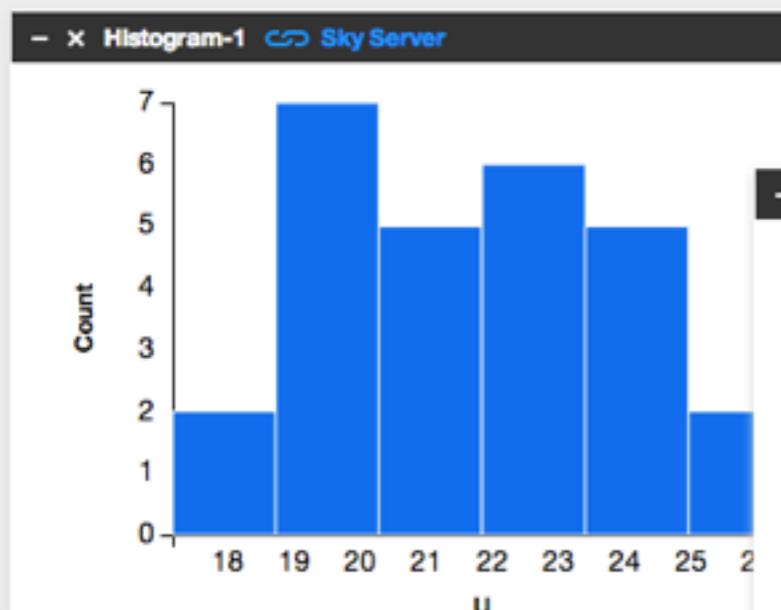
 parttimework

People are Discussing...

[Load more](#) 

Select the tools you need:

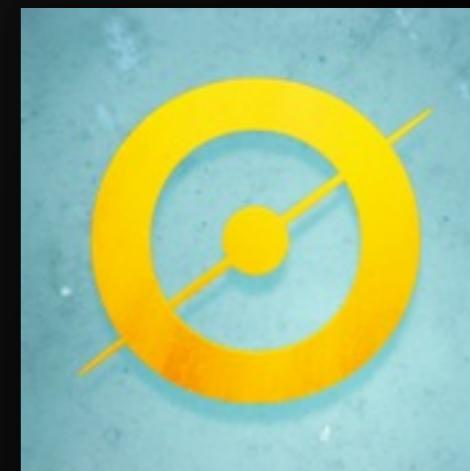
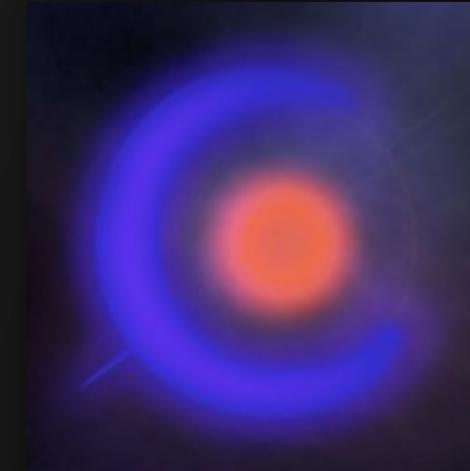
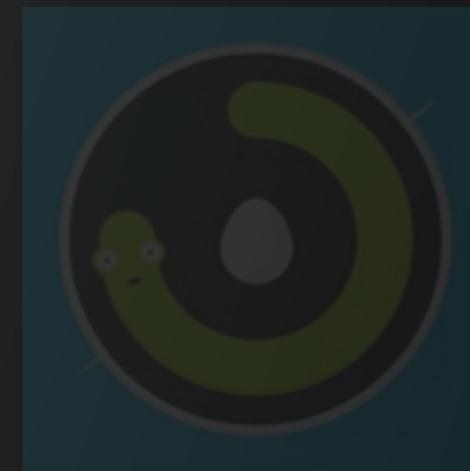
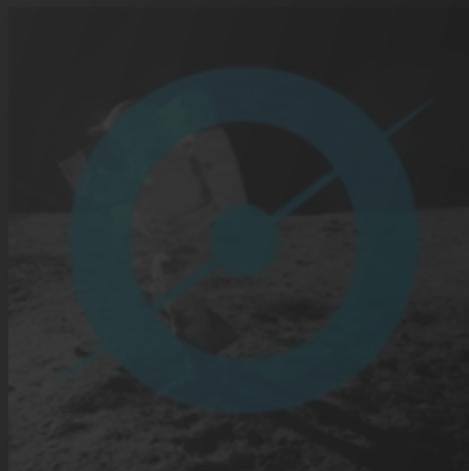
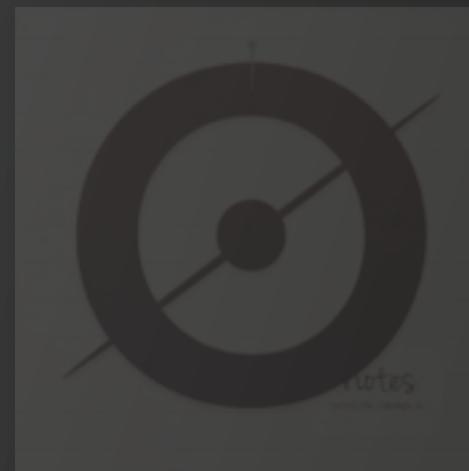
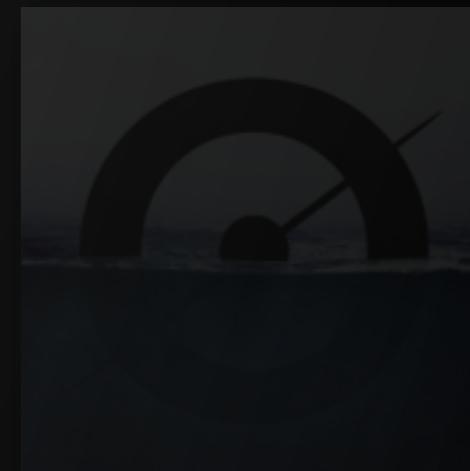
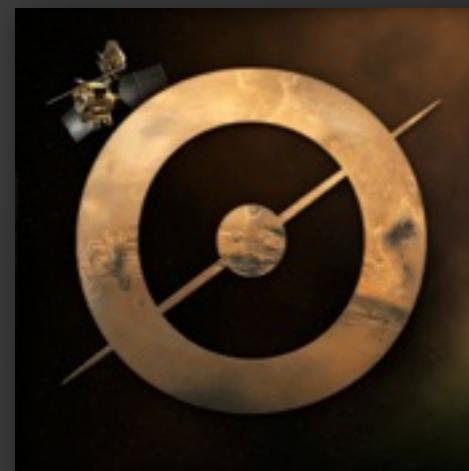
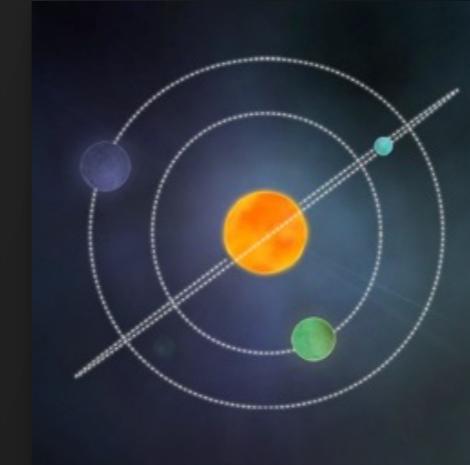
My Great Dashboard

[Histogram](#)[Scatterplot](#)[Map](#)[Spectra](#)[Statistics](#)[Subject Viewer](#)[Table](#)[Clear Tools](#)

Dashboard is a place for volunteers to observe, collect, and analyze data from Zooniverse citizen science projects.

Serendipity

...in the Zooniverse



Kelly Borden & Julie Feldt

G08, Friday 11:40am

zooteach Where educators can share high quality lesson plans & resources that compliment the Zooniverse citizen science projects. [Find out more...](#)

subjects

Sciences

Browse subjects including Astronomy, Biology, Physics and Chemistry.

ages

up to 10

Search

Navigator

Select Group ▾

Welcome to the Galaxy Zoo Navigator, where you can investigate the galaxy classifications you have made as part of a group. To get started you will need to select the group you'd like to work with.

Classify Galaxies



Visit the Galaxy Zoo website to classify galaxies as part your group.

My Galaxies



Compare your classification choices with those made by other volunteers.

Histogram



Investigate the characteristics of different galaxy types.

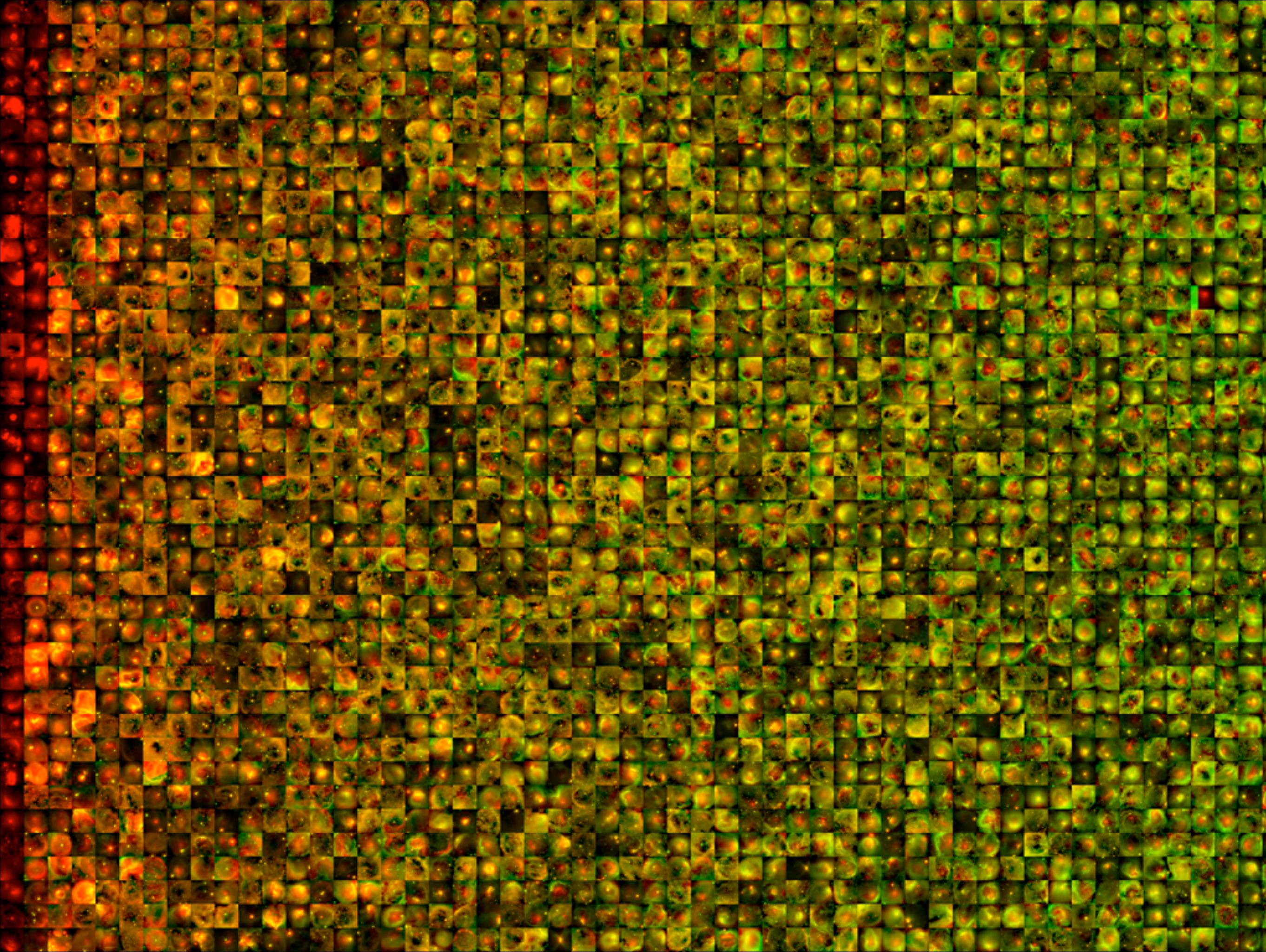
Scatter Graph

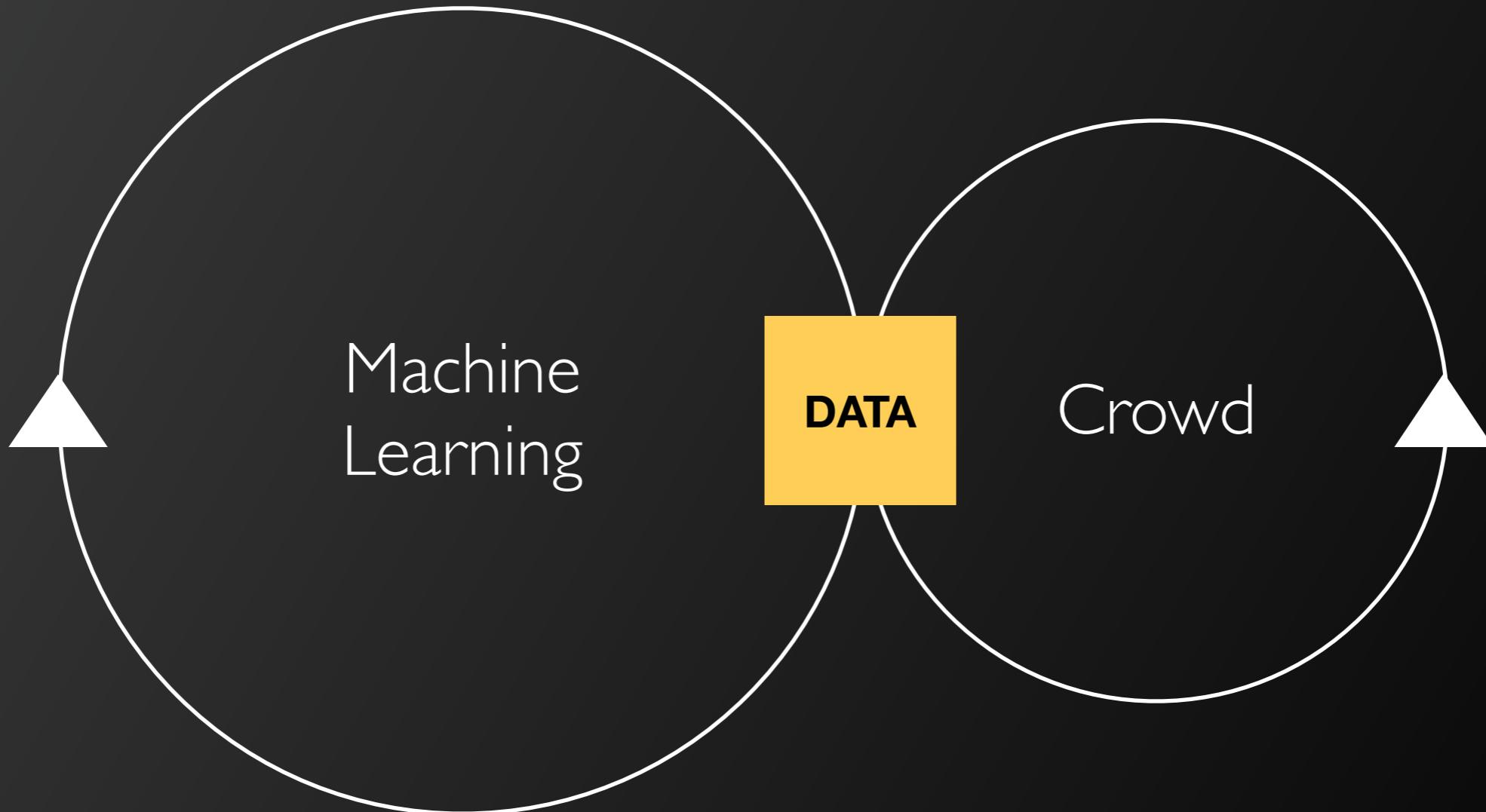


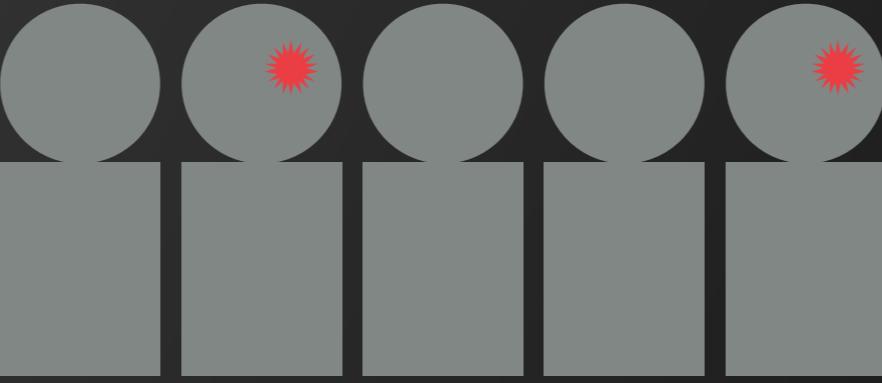
Compare the characteristics of different galaxy types.

ZOONIVERSE

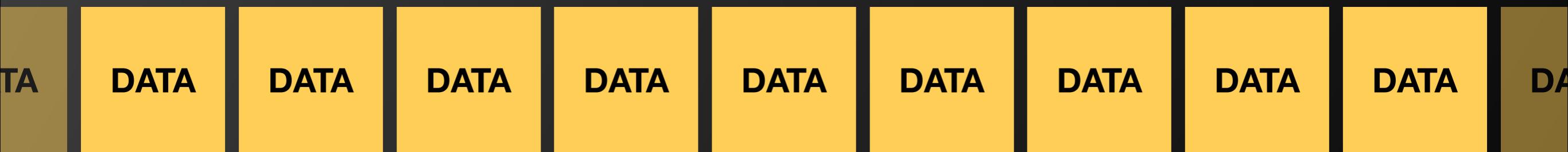
Rise of the Machines



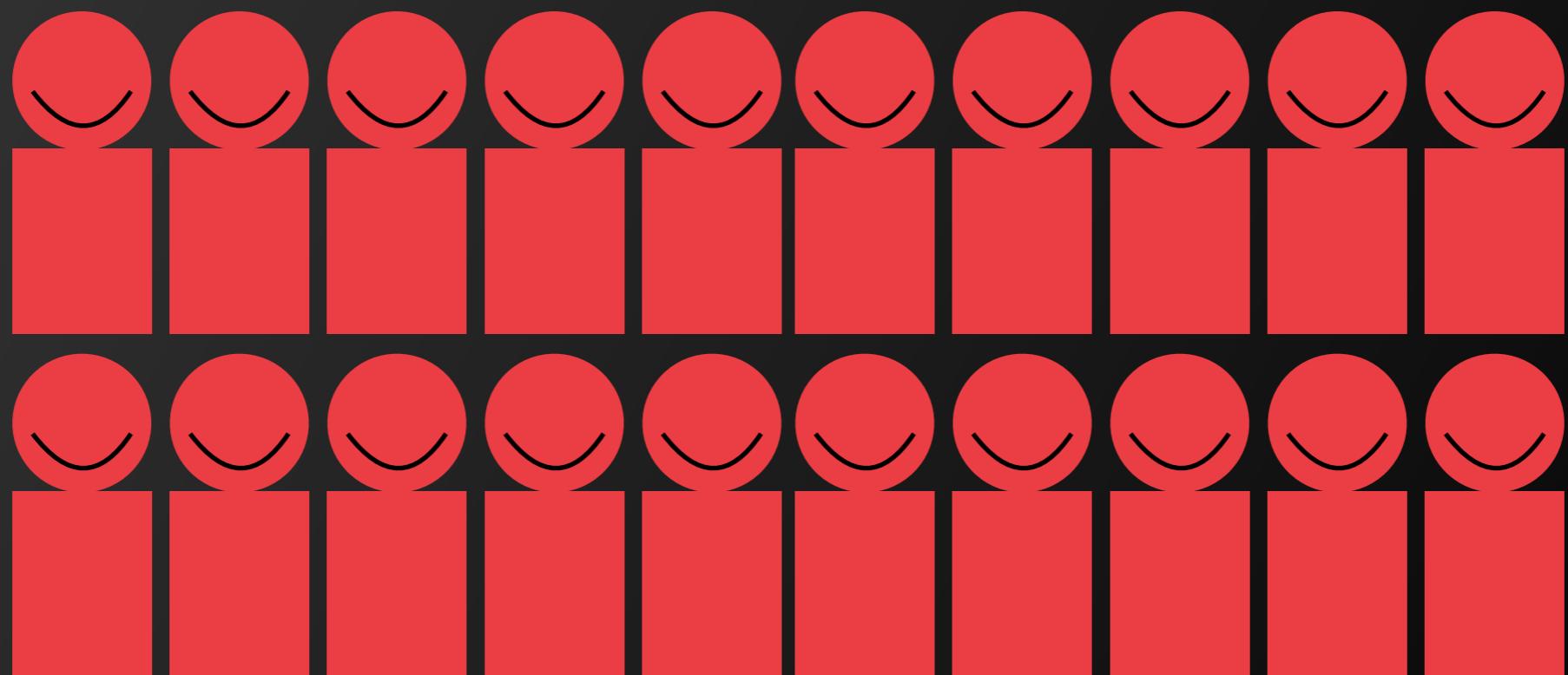




We are the
Borg-Bots

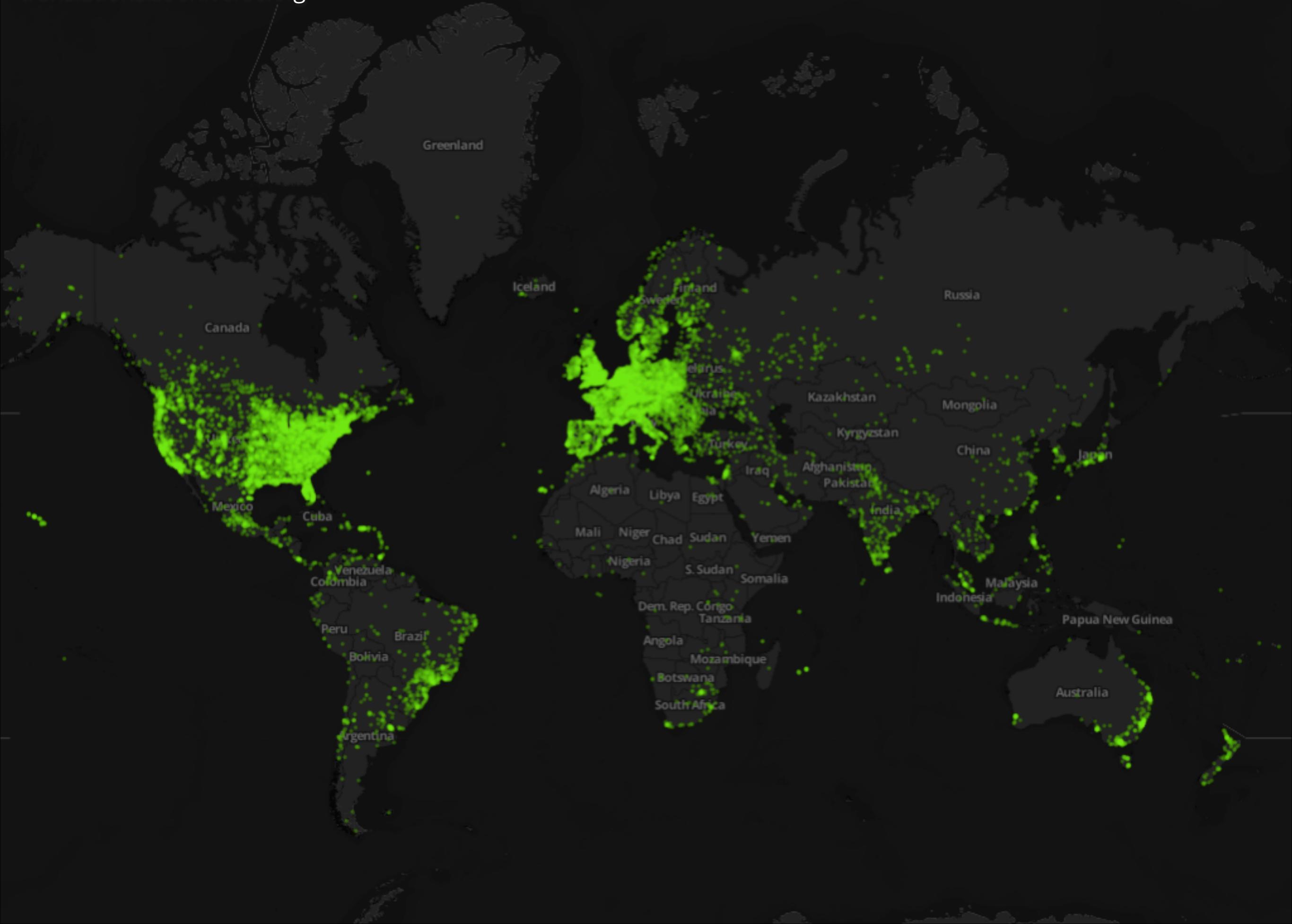


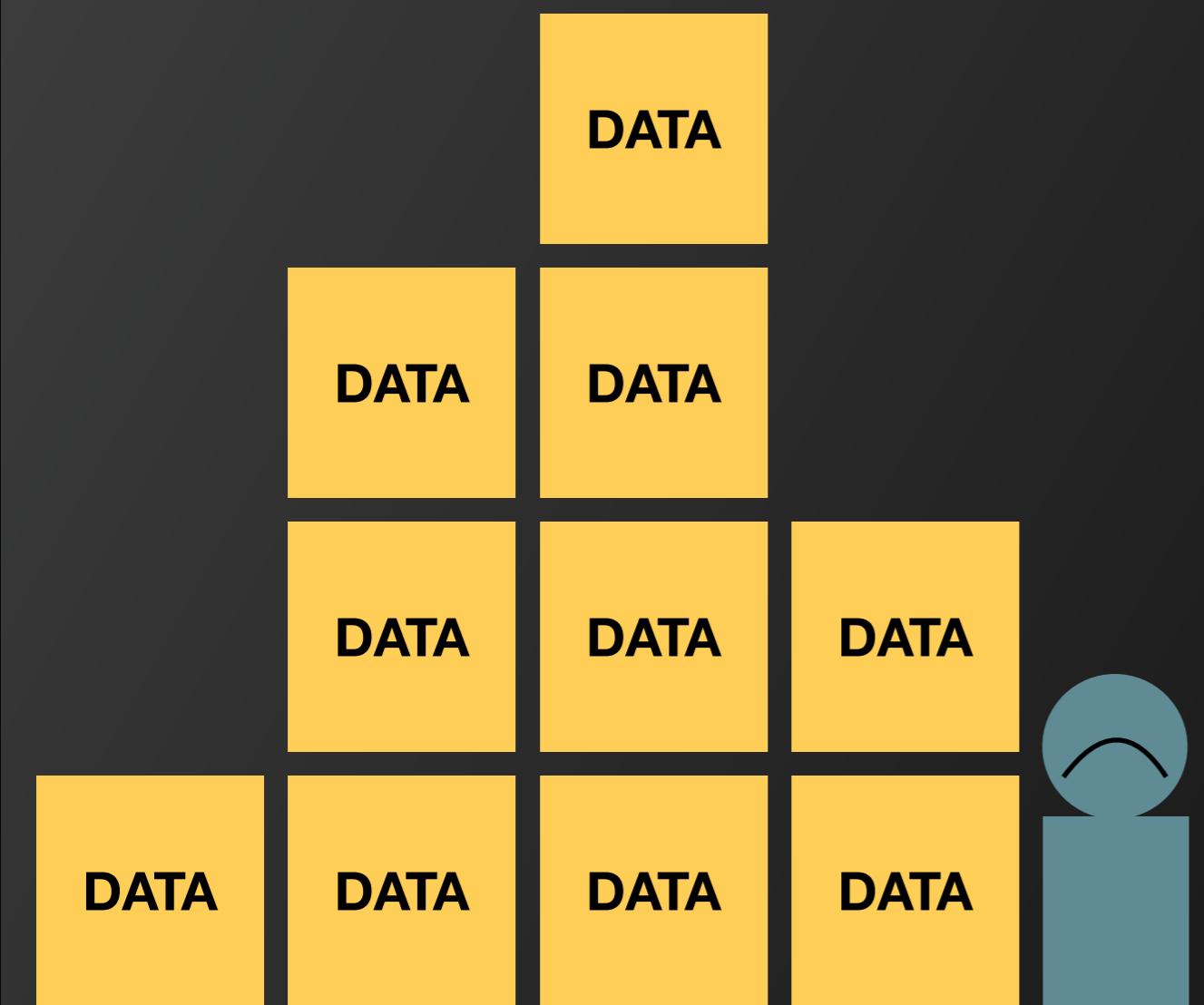
DATA DATA

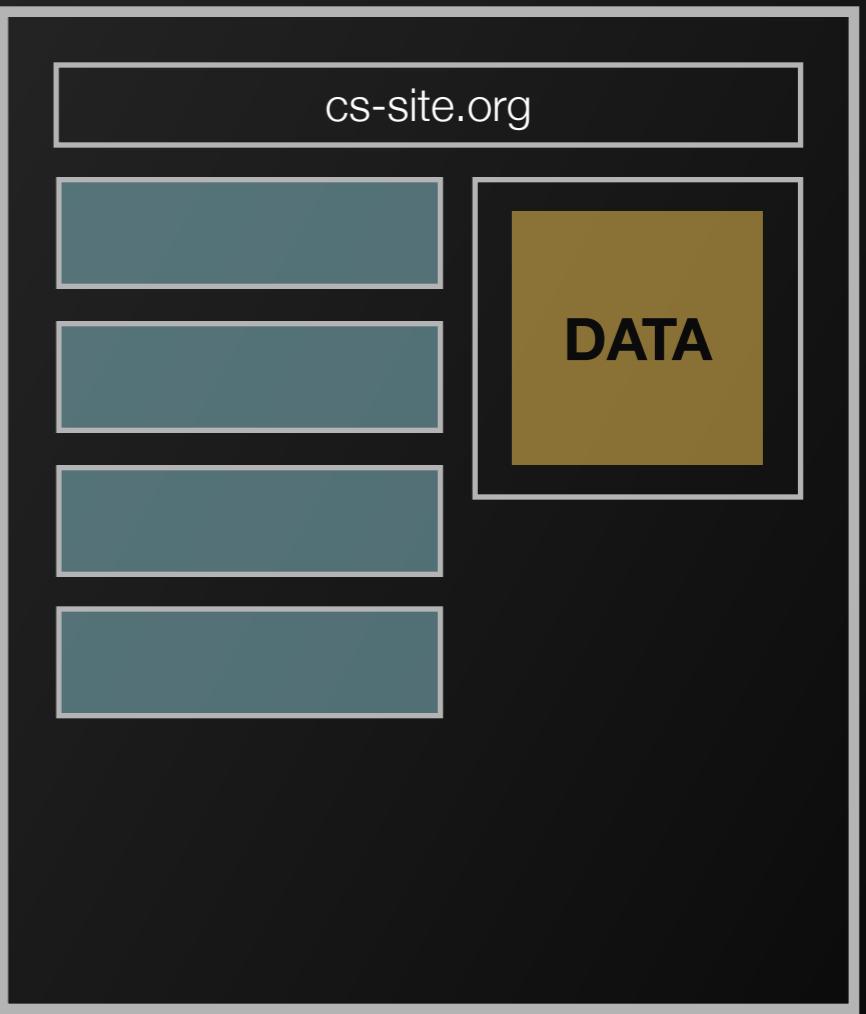
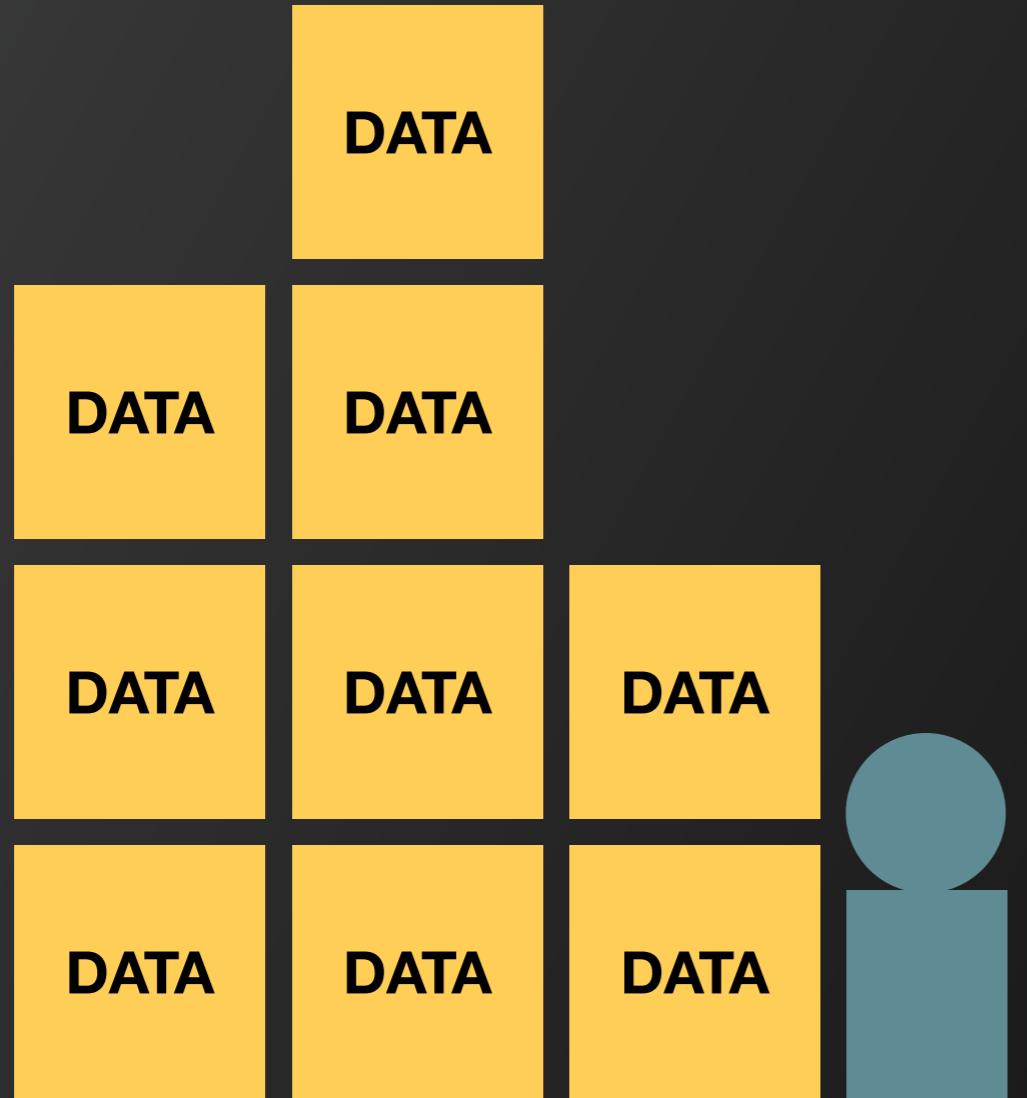


ZOONIVERSE

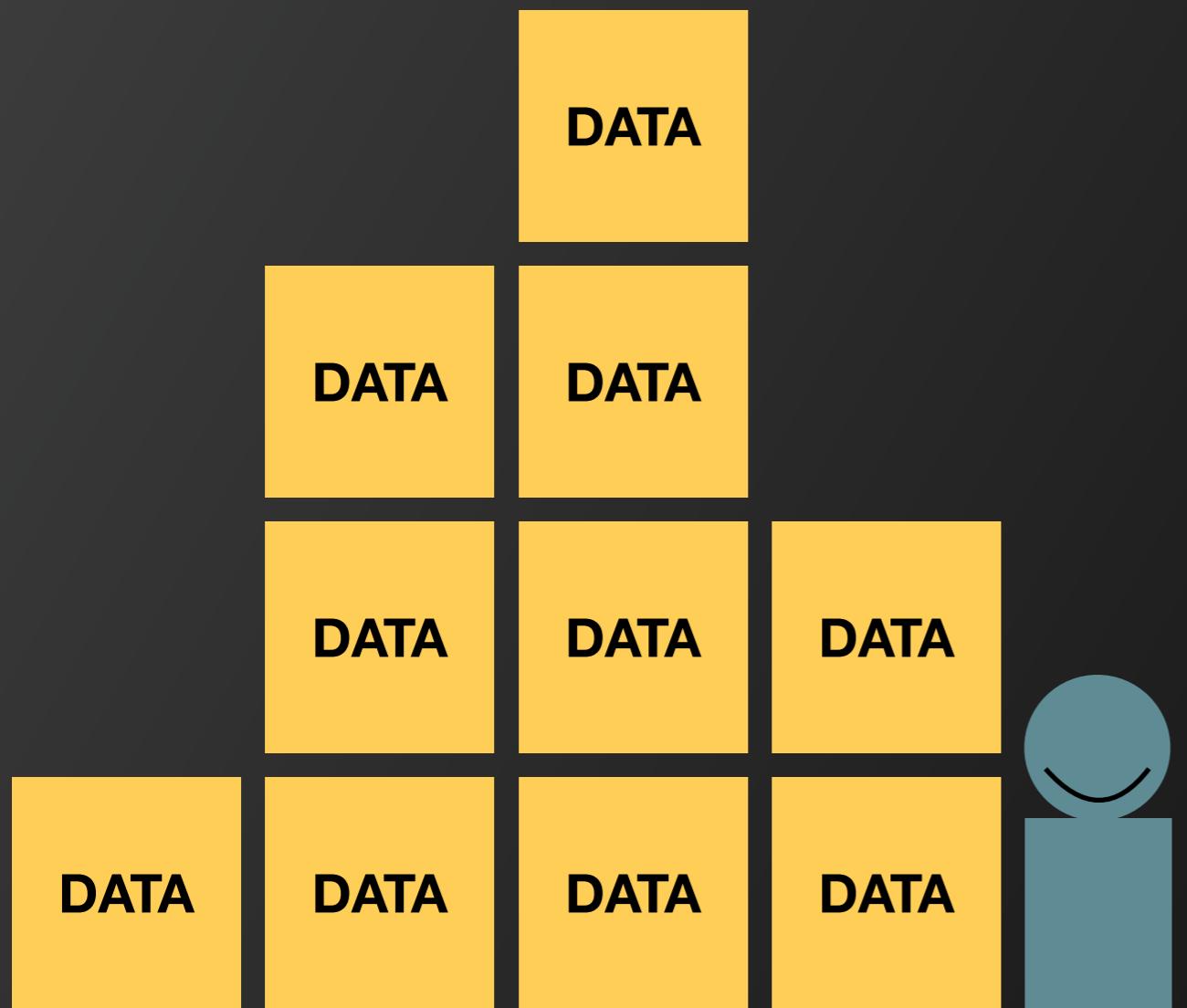
The Future



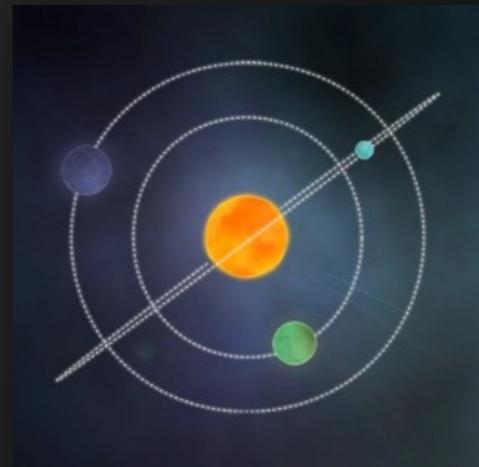




ZOONIVERSE







zooniverse.org

Robert Simpson - @orbitingfrog

