

Data/ Set/ Match.

Open Call: What can you do with an image dataset?

Data/Set/Match is a series of events, workshops and artists' commissions at The Photographers' Gallery which explore the significance of scientific image datasets.

Computer scientists are highly influential, yet often unacknowledged, creators and collectors of photographic images in the 21st Century. Technologists working in the fields of machine vision and Artificial Intelligence rely on the production and annotation of massive collections of digital images to train machines to 'see' and understand the world. These image datasets are typically generated by scraping images off the web (e.g. [Labeled Faces in The Wild](#)), or shot by computer scientists themselves (e.g. [ATT Faces](#)).

One of the most significant datasets today is [ImageNet](#) (2009), a visual database of over 40 million images created by a team of computer scientists led by Dr Fei-Fei Li at Stanford University. A hugely expensive and ambitious undertaking, ImageNet presents an encyclopedic image of the world, where every concept (e.g. 'cat', 'bank') has been mapped against descriptive images painstakingly annotated and collected off the web. ImageNet was the result of Dr Li's hypothesis that computer vision would ultimately rely on the quality and scale of the training data - as opposed to the optimisation of algorithms. Its creation informed the explosion of work in the field of Artificial Intelligence and machine learning utilising neural networks.

Over the course of 12 months, Data/Set/Match aims to draw attention to these datasets and explore their creation, influence and uses. At the same time, the programme will connect the image dataset to historical photographic discourses of the archive, truth and power.

We're looking to award three £1000 commissions for the Gallery Media Wall that interrogate and bring new meaning to image datasets. The commissions might address questions such as: What do these image collections look like and how can they be comprehended? How are they generated and created? What image of the world do they promote and what do they fail to represent? How do could their use be re-imagined?

These artistic commissions could fall into one of three categories:

- the creation of a new or speculative photographic dataset, which can be released to the public and shown on the media wall;
- the creation of a display which re-interprets an existing contemporary or historical image dataset (beyond data visualisation); or
- the adaptation of an existing work which responds to or utilises an existing image dataset.

Some reference and example datasets include:

Scientific Datasets:

Images in the Wild Dataset: <http://vis-www.cs.umass.edu/lfw/>

Caylee Pattern Dataset: <http://homepages.inf.ed.ac.uk/rbf/CEILIDHDATA/>

Epic Kitchens: <https://epic-kitchens.github.io/2018>

Diversity in Faces: <https://www.research.ibm.com/artificial-intelligence/trusted-ai/diversity-in-faces/>

Image-net: <http://www.image-net.org/>

Fruits 360: <https://www.kaggle.com/moltean/fruits>

The USC-SIPI Image Database: <http://sipi.usc.edu/database/database.php>

Caltech Camera Traps: <https://beerys.github.io/CaltechCameraTraps/>

Computer Vision Test Images: <https://www.cs.cmu.edu/~cil/v-images.html>

Abnormality Detection in Images:

https://web.archive.org/web/20180312065423/http://paul.rutgers.edu/~babaks/abnormality_detection.html

Other resources:

Kaggle's Dataset search engine: <https://www.kaggle.com/datasets>

Wikipedia Article of List of Datasets for machine learning

https://en.wikipedia.org/wiki/List_of_datasets_for_machine-learning_research#Image_data

About the Media Wall

The Media Wall is a large 3m * 2.8m video wall on the ground floor of The Photographers' Gallery, facing out on the street. It is comprised of 8 vertically orientated Sharp monitors, two rows of four screens. The resolution of the display is 3072px width * 2732px height. It can present a variety of image and video formats, as well as HTML5 and specially produced javascript applications.

To apply, click [here](#)

Deadline Wednesday 31 July 2019, 5pm

Frequently Asked Questions / Terms and Conditions

What is Data / Set / Match?

Data / Set / Match (D/S/M) is a series of events, workshops and artists' commissions taking place between 2019-2020 at The Photographers' Gallery (TPG) which explore the cultural significance of scientific image datasets. As part of the commissions, three projects will be selected from an open call judged by TPG. The selected works will be presented on the Gallery Media Wall in 2020.

Who can enter?

This opportunity is open to all practitioners regardless of location. There is no age limit. Entry is free. There is no need to have studied at an educational institution in the UK or elsewhere. DSM encourages applications from all individuals and/or groups who meet the criteria and whose work shows outstanding talent, originality and innovation. TPG is committed to equal opportunities.

How do you apply?

Online applications will be accepted between 17 June - 31 July 2019 here. It is free to enter and each person may submit a personal statement of up to 300 words, and a proposal of up to 500 words for *one* work which falls within the three competition categories (the creation of a new or speculative photographic dataset; the re-interpretation of an existing contemporary or historical image dataset; the adaptation of an existing which responds to or utilises an existing image dataset) plus up to 3 images/video to support the application.

If sending large video files please email digital.programme@tpg.org.uk for more information. We advise doing this at least a week before the deadline so that you have time to transfer to a supported file type if necessary. It is possible to submit an existing work.

If you have not been notified that your work has been selected by 3 September 2019, please assume your application has not been successful. Unfortunately, we cannot guarantee individual feedback on all open call submissions.

Submission Requirements

- > A personal statement (up to 300 words)
- > One project proposal under one of three categories (up to 500 words)
- > Visual materials to support your application (up to 3 images/videos/pdf)

How will it be judged and mentored?

We are looking for projects that examine the scientific dataset through innovative and critically engaged practices. We welcome applications from individuals as well as collaborative groups. The selection will be made by the TPG Digital Team, the final three projects will be selected by the panel of industry professionals who will also bring their own expertise to the judging criteria. Artists will receive support from the TPG Digital Team through the making of the work and its final formulation on the TPG Media Wall.

Terms & Conditions

By submitting your application for D/S/M you are accepting the following Terms and Conditions:

This agreement constitutes the entire and only agreement between you and The Photographers' Gallery. The Photographers' Gallery is a not-for-profit, independent, educational charity (UK Charity commission no. 262548):

- > I confirm all the works submitted are my own and I have the intellectual copyright to use, exhibit and distribute them.
- > I am not a staff member at The Photographers' Gallery, or a sponsor of the organisation.
- > I understand that the name, captions, texts and images or moving image files I upload to the DSM application site will be reviewed by The Photographers' Gallery. The Photographers' Gallery will select the

commissions. The Photographers' Gallery will only accept applications submitted through this website and cannot offer feedback on any individual application nor accept any submission by post.

> If selected, I allow my images to be used in print and online (including social media and other platforms) for marketing, press, promotional and educational purposes related to the DSM programme and The Photographers' Gallery's wider activities. Any images used will be fully and accurately credited when sent to press and third parties by The Photographers' Gallery. Copyright for all texts and images is retained by their respective author.

> If my application is successful, my name, text and selected works, can be uploaded to The Photographers' Gallery website and will be accessible to the public. My work will remain part of the Gallery's online archive for an indefinite period. Occasionally images may be cropped for purposes of fitting into the website format, this will only be done when absolutely necessary.

> The Photographers' Gallery reserves the right to edit extended texts submitted through the application process, this will be done in consultation with the artist.

> All submitted information, text and images are my sole responsibility, not The Photographers' Gallery's, and do not breach any third-party copyright. I am entirely responsible for all content that I have uploaded or make otherwise available.

> I do not hold The Photographers' Gallery, including all its staff and trustees, responsible for any losses, claims, liabilities, expenses, damages and costs, including reasonable legal fees, resulting from any violation of these Terms and Conditions or any activity related to the service (including negligent or wrongful conduct) by myself or any other person.

If you have any questions regarding your application, contact digital.programme@tpg.org.uk. (If you have not been notified that your work has been selected by 3 September 2019, please assume your application has not been successful).