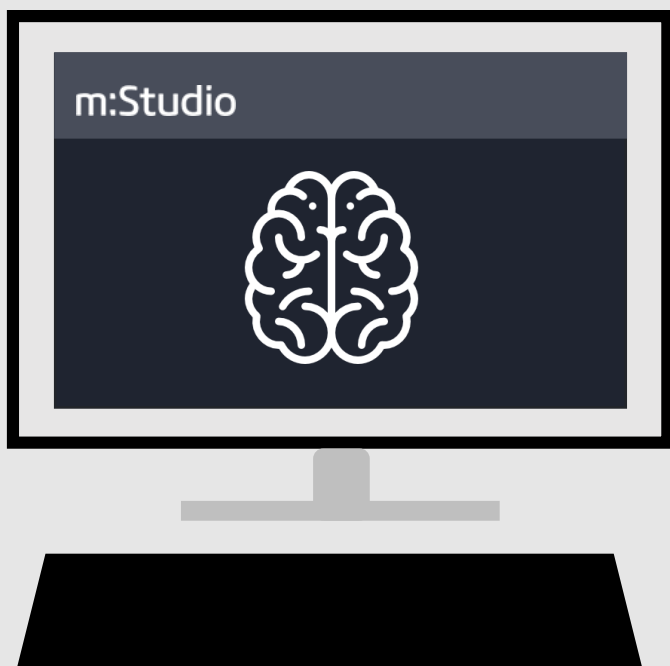


how to run A.I disease detection in m:Studio

<https://caidesystems.com/>

1 Artificial Intelligence Disease Detection From Everywhere

Cognitive artificial intelligence disease detection systems, m:Studio will help eliminating human errors and reducing the cases of delayed diagnosis



Brain Disease Detection

Caide's BSR contains multiple trained AI model sets to review CT images and accurately sort out hemorrhagic and its 5 subtypes.

Inference result within a minute

Save human lives by eliminating human errors and reducing delayed diagnosis.
m:Studio provides the inference result within a minute.

Accuracy matters

m:Studio has capability to detect and state brain stroke types and locations accurately. Our AI model is trained through 6,000 patients' data and 140,000 stroke CT images.

2 Getting Started!



m:Studio WEB is optimized to HTML5 and Google Chrome Browser. Using other web browser and system environments may bring failed test results.

Run Inference is available 5 sets a day.

Maximum number of files per inference is 40.

If you exceed daily inference maximum of 5 attempts, you have to wait 24 hours to run inference.



<https://mstudio.caidesystems.com:9443/mstudio>

Depending on the supporting computing power, the inference result can be displayed on the monitor within a minute.

3 Connect

Create m:Studio account with your email

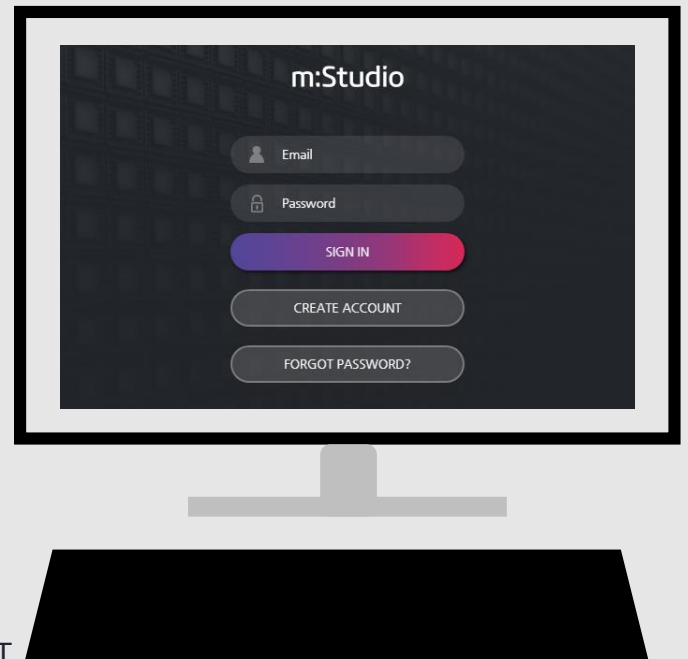
1. Click CREATE ACCOUNT menu.
2. Carefully read "Terms of Subscription"
3. Scroll down.
4. If you agree with our policy, check the agreement box.
5. Click Continue button.
6. Type your email address and password.
7. Submit your account info.

Sign in to start m:Studio

1. Type in your account info.
2. Click SIGN IN button or hit enter to sign in

Forgot Password?

If you have forgotten your m:Studio account, click FORGOT PASSWORD? button to reset your account.



<https://mstudio.caidesystems.com:9443/login>

Brain stroke costs 140,000 Americans a year and \$75 billion a year in US. It is the number one cause of death in the emergency rooms. It requires medical images in diagnosis process by experienced medical doctors. Simple registration of m:Studio will allow you to review and diagnose stroke.

4 Upload Images

After signing into m:Studio, carefully read our terms of services. Check the agreement box if you agree and would like to use our services.

Upload Files



Upload dicom images/ directory to run inference
Drag & Drop dicom images/ directory or [Click Here to Browse](#)

2018-07-09_11-23-43

Loading



2018-07-09_11-23-44

Loading



2018-07-09_11-23-45

Loading



ModelSet

Caide Model ▼

Run Inference

You can either:

1. Drag and Drop dicom Images from the local directory to the box or
2. Click the underlined word “Click Here to Browse”

to upload your dicom images.

After finishing the upload, review your list and Click “Run Inference” Button.

(Run inference takes approximately less than a minute)

<https://mstudio.caidesystems.com:9443/mstudio>

Before uploading files, **Be aware:**

* m:Studio currently accepts DCM format files only. If you upload files other than .dcm format, the file uploader will automatically drop the file(s) and ask you to review the list.

* Don't click/ hit enter to Run Inference right away.

Wait until **loading spinner-circle** is gone.

Running inference while loading file(s) may bring a failed result.

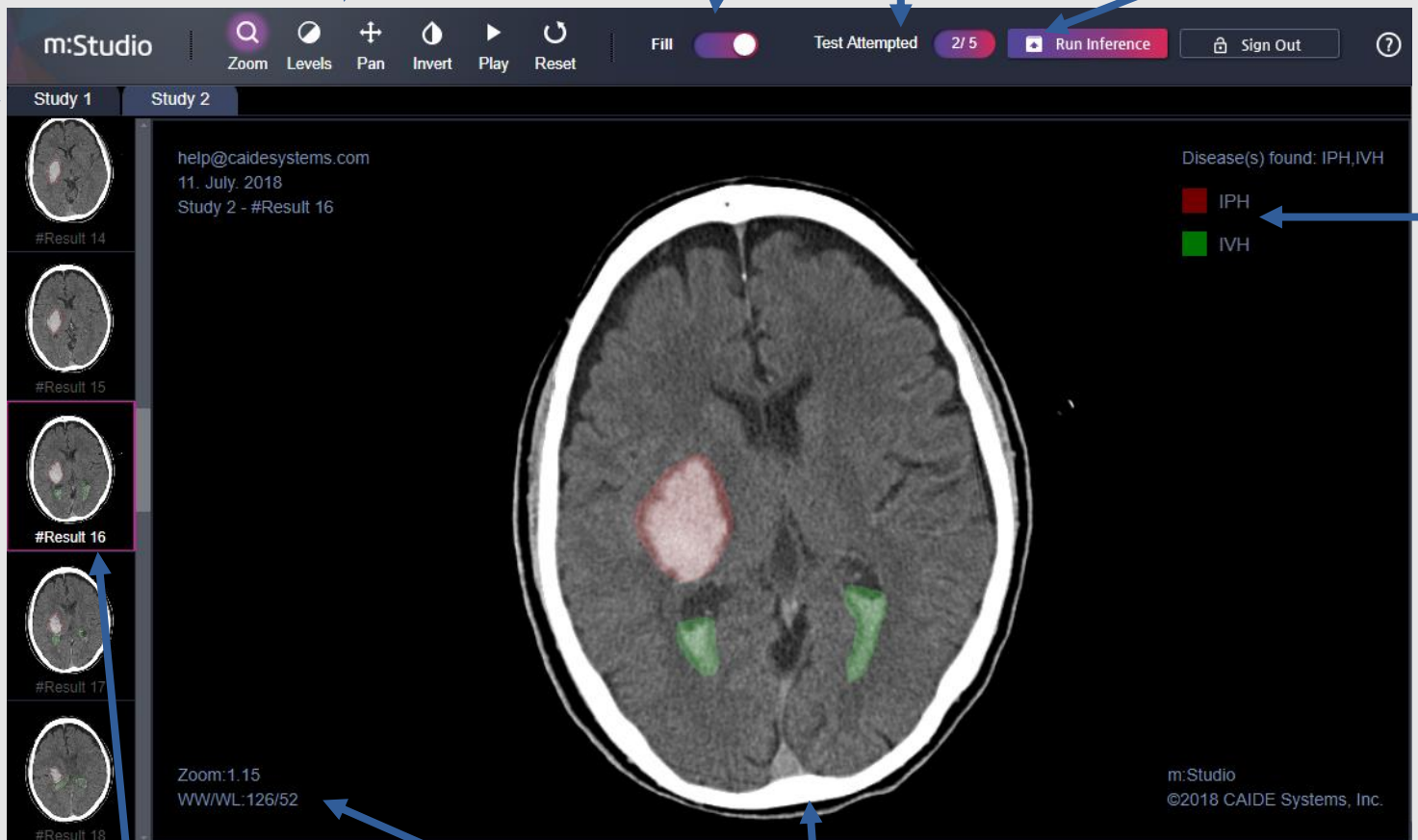
5 Run A.I Disease Detection

Un-fill test result will reset the test result and show uncolored/ bordered-only result.

Handle test results and your dicom image (zoom, adjust, pan, invert, play clip, reset) by clicking menu icons.

Number of tests attempted
- max 5 inferences per day

Click Run Inference
to run additional Inference



Current Zoom/ Contrast Level

Types of diseases

Click and scroll up or down
(or keyboard up or down)
to select thumbnail images

Navigate and switch different
studies by tab menu

left click – activated top menu
icon middle click drag - pan
right click drag - zoom

<https://mstudio.caidesystems.com:9443/mstudio>

Based on 10 folder cross validation, our BSR model achieved more than 90% of sensitivity accuracy on five sub types of hemorrhagic conditions. Our core technology team invented smart data augmentation and improve overall accuracy of the model.

Any feedback/questions, email us at help@caidesystems.com
Visit <https://caidesystems.com>

