

Case Study: Image Classification

Please review the case study details and confirm that you have received this email.

As a general guideline, you should expect to spend no more than three hours to complete this case study. Please send us a copy of your code prior to the interview.

Case Study Description

THE DATA

We are providing you with a dataset of images categorized into three classes and divided into training and test sets. Each of the class folders contains 500 images, combining to a total of 3,000 images.

[squares.zip](#)

THE TASK

Use any technique you choose to predict the image classes on the test set. Present your approach and results to a panel. We're more interested in your process than your specific results. Feel free to use any libraries or sources you need (Python is preferred).

THE DELIVERABLES

- Send us your code before the follow-up interview
 - Upload your code to a Github repository and send us the link for access
- Prepare to present your findings in the follow-up interview:
 - What approach do you take? Did you try anything that didn't work?
 - How did you assess the performance of your technique?
 - Did you encounter any challenges?
 - Anything else?
 - Aim for a 15 minute presentation
 - You can present slides or your code (e.g., a Jupyter notebook)

Follow-up Interview

For your video conference interview, we ask you to give a 15-minute presentation to a panel of four data scientists. After your presentation, there will be a 30-minute Q&A session with the panel.