

Classifier

1. Subject Line:

Discussion on Data Annotation, Model Training, and Improvements in Object Detection

2. Two-line Summary:

Jacob Dallaire and James Stroud discuss the current state of a machine learning project involving object detection, focusing on data annotation, increasing the training set size, and improving model accuracy. Jacob plans to label more images and rotate the existing training data to enhance performance.

3. Key Points / Repeated Topics:

- Discussion on image annotations for training object detection models.
 - The importance of capturing full views, particularly the legs, of lizards in training images.
 - Plan to increase the training set by labeling an additional 1,000 images.
 - Data augmentation strategy: rotate training images by 90° to quadruple dataset size.
 - Mention of varying image quality: good, OK, bad.
 - Struggles with model classification accuracy; currently predicts one class in all cases.
 - Model's current accuracy is 40% when guessing one class.
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4. Company / Project Name Mentions:

Company / Project Name	Description	Associated Company / Contact
N/A	No specific companies or projects mentioned explicitly in this section.	N/A

5. Person Mentions:

Name	Description	Company
Jacob Dallaire	Discussing the process of image annotation and training.	N/A
James Stroud	Engaging in discussion, asking questions about data quality and plans.	N/A

6. Numbered List of Metrics / Numbers:

1. Jacob plans to annotate an additional 1,000 images.
 2. Annotating those images will take him around 3 hours.
 3. Plan to increase data size fourfold by rotating training images by 90°.
 4. Model is correct 40% of the time when predicting one class.
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7. Action Items:

Jacob Dallaire:

- Annotate an additional 1,000 images to improve training.
 - Rotate the existing training data by 90° to increase the dataset size.
 - Continue running the object detection model to iterate quickly and check for improvements in classification accuracy.
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XRAY

1. Subject Line:

Discussion on Tools, Resources, and Remote Lab Access

2. Two-line Summary:

The team discusses the use of specific tools for data annotation, sharing resources like GitHub links, and the current status of remote access to lab computers. Some team members have not yet utilized the lab computers but plan to once they resolve setup challenges.

3. Key Points / Repeated Topics:

- Discussion about tools used for annotation and sharing relevant links.
- Mention of issues with the annotation tool's website being down.
- Sharing a GitHub link to the tool as an alternative.
- Questions about the usage of remote access to lab computers.
- Some members have not yet used the lab computers due to setup challenges.

4. Company / Project Name Mentions:

Company / Project Name	Description	Associated Company / Contact
Microsoft	Ayush Parikh mentioned Microsoft.	Ayush Parikh (confusion with Google)
Google	Initially mentioned by mistake.	Ayush Parikh
GitHub	Alternative link shared for annotation tool.	N/A

5. Person Mentions:

Name	Description	Company
James Stroud	Discusses various project details and asks about tools.	N/A
Mercedes Quintana	Mentions not having used lab computers yet.	N/A
Ayush Parikh	Mentions Microsoft/Google confusion.	Microsoft
Jonathan Suh	Asks if people are using the lab computers remotely.	N/A

6. Numbered List of Metrics / Numbers:

1. No specific numbers or metrics mentioned in this section.
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7. Action Items:

Jonathan Suh:

- Follow up on the team's usage of lab computers via remote access.

Mercedes Quintana:

- Set up and start using the remote lab computer once technical issues are resolved.