

# Real-Time Monitoring of Door Status in Public Transit Systems

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2024.05.10

# Outline

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- Schedule
- Data
- Evaluation Server
- Code Submission
- Report Submission

# Schedule

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- Evaluation server open
  - 2024/05/11 00:00
- Evaluation server close
  - 2024/06/07 23:59
- Code submission to NTU COOL
  - 2024/06/08 23:59
- Oral presentation
  - 2024/06/14 14:20~15:20 (Tentative)
- Report submission
  - 2024/06/14 23:59

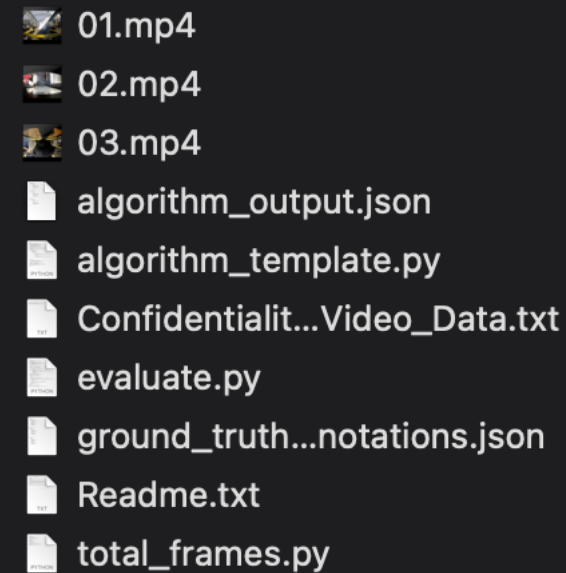
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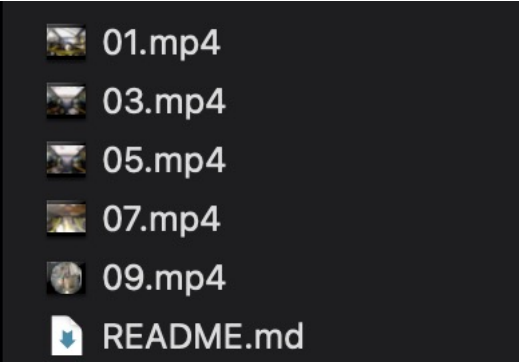
# Data

- Sample Video Files
  - Download link: [Sample Video Files](#)
- Test Video Files
  - Download link: [Test Video Files](#)
  - Don't use test videos as training data
  - Don't golden out (directly check the location of the door opening and closing frames in the video)
- If any link fails, please notify TA



A screenshot of a file directory listing on a dark background. It shows a list of files with their respective icons: video files (01.mp4, 02.mp4, 03.mp4), JSON files (algorithm\_output.json, ground\_truth...notations.json), Python files (algorithm\_template.py, evaluate.py, total\_frames.py), and text files (Confidentialit...Video\_Data.txt, Readme.txt).

- 01.mp4
- 02.mp4
- 03.mp4
- algorithm\_output.json
- algorithm\_template.py
- Confidentialit...Video\_Data.txt
- evaluate.py
- ground\_truth...notations.json
- Readme.txt
- total\_frames.py



A screenshot of a file directory listing on a dark background. It shows a list of files with their respective icons: video files (01.mp4, 03.mp4, 05.mp4, 07.mp4, 09.mp4) and a Markdown file (README.md).

- 01.mp4
- 03.mp4
- 05.mp4
- 07.mp4
- 09.mp4
- README.md

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# Evaluation Server

- Our project is hold on Codalab Competition server.
- Link: [Codalab](https://codalab.lisn.upsaclay.fr/competitions/19104?secret_key=64e74cf2-9b05-47fd-b0e1-504a1e0ffaa9)

Naming your JSON file as output.json

Put output.json into a file named solution.

Upload solution.zip to codalalab to display the ranking.

solution/

|—— output.json



## Real-Time Monitoring of Door Status in Public Transit Systems

**Secret url:** [https://codalab.lisn.upsaclay.fr/competitions/19104?secret\\_key=64e74cf2-9b05-47fd-b0e1-504a1e0ffaa9](https://codalab.lisn.upsaclay.fr/competitions/19104?secret_key=64e74cf2-9b05-47fd-b0e1-504a1e0ffaa9)

Organized by zslin - Current server time: May 10, 2024, 3:04 p.m. UTC

► **Current**

Test

May 10, 2024, 4 a.m. UTC

End

Competition Ends

June 7, 2024, 4 p.m. UTC

# Evaluation Server: Submission

- You are required to generate **output.json** containing the door switch status of each video.
- Refer to the **“Terms and Conditions”** on codalab page for detailed information regarding directory architecture and file naming.
- If the submission file **exceeds the size limit** of the Codalab server (300Mb), you can attempt to reduce the size of the png file by setting the pixel values that are not in the selection map to 0.
- It is possible that **the submission will take over 20 minutes** due to large file size. Please be patient and wait for it to complete.

Learn the Details

Phases

Overview

Evaluation

**Terms and Conditions**



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- Schedule
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- **Code Submission**
- Report Submission

# Code Submission: NTU COOL

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- R07654321/
  - README file
  - Source code (which can **reproduce** the result on the leaderboard)
  - The solution.zip containing output.json you choose to upload the leaderboard.
  - Brief description of models or your method (pdf file; content is not restricted; serve as a reference for the selection of teams for oral presentations)
  - If you use the **deep learning** method, you must indicate the training data and upload the training code so that the Tas can reproduce your consequence.
- Compress all the files in a zip file named **StudentID.zip** (e.g. R07654321.zip)
  - Upon extraction, only one directory named R07654321 should be generated.

# Code Submission: NTU COOL

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- **Only the team leader** need to upload the code to NTU COOL.
- In the README file, you have to **clearly describe** how to set up the environment (ideally by providing bash script) and the steps to run your code, so that TA can **reproduce the result**.
- If we can not reproduce your result on the leaderboard, you will **receive 0 point** in the performance part. Minor errors are acceptable.
- We will excute your code on **Linux system**, you should make sure your code can be excuted on Linux system before submission.
- **Deadline: 2024/06/08 23:59**

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# Report Submission: NTU COOL

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- **Only the team leader** need to upload the code to NTU COOL
- The teams who are selected for final presentation need to upload your presentation slide in **pptx format**.
- The rest teams should upload your report in **pdf format**.

# Reminder

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- Please start working on the project as early as possible.
- Please read and follow the rules carefully.
- **Taking any unfair advantages (e.g., plagiarism) over other class members is strictly prohibited. Violating university policy would result in F for this course.**
- If not sure, please ask TAs.
  - NTU COOL 討論區 or Email to [zslin@media.ee.ntu.edu.tw](mailto:zslin@media.ee.ntu.edu.tw) (林子軒)