

# **Final Project**

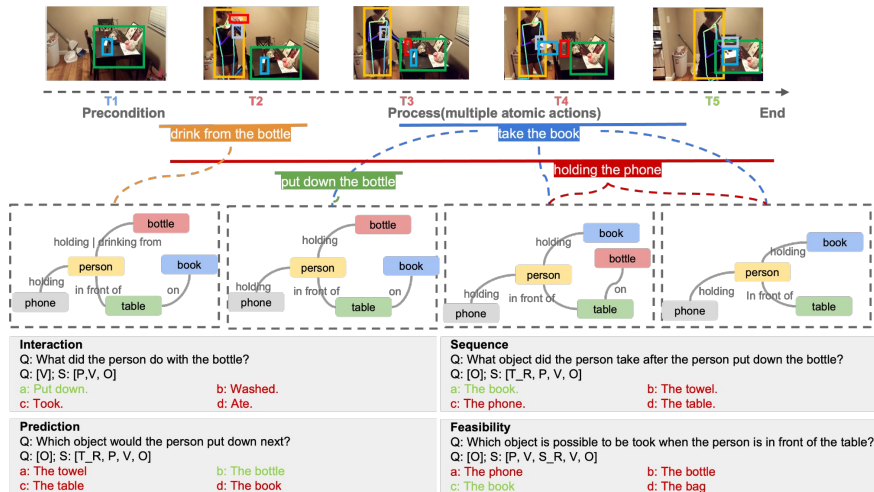
DLCV Fall 2023

# Update

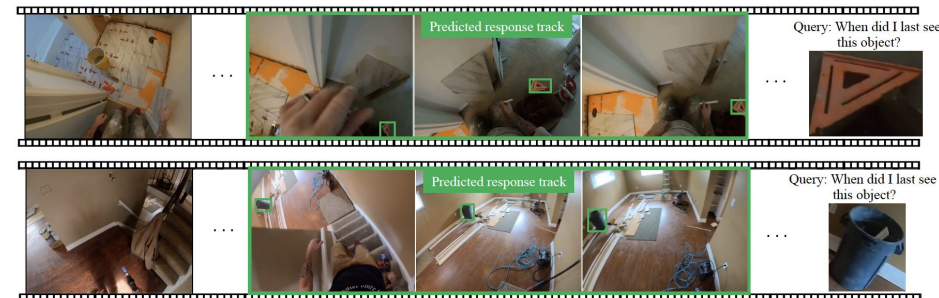
- 11/30
  - Challenge videos are uploaded. [[link1](#)] [[link2](#)]
- 12/2
  - Team up results [[link](#)]
  - TA discussion available time slot [[link](#)]

# Overview

- STAR:
  - Situated Reasoning (Video Question Answering)



- VQ2D:
  - Visual Queries 2D Localization



# Timeline & Deadlines (GMT+8)

Teaming-up Form Completion	2023/12/01 23:59
Announcement of teaming-up	2023/12/02
<b>Choose when to meet with TAs</b>	2023/12/05 23:59
<b>Project Discussion</b> with TAs	2023/12/13~12/15
<b>Poster</b> Submission	2023/12/25 11:59
<b>CodaLab/Eval AI</b> Submission	2023/12/28 07:59
On-Site <b>Presentation</b>	2023/12/28 13:00-17:00
<b>GitHub Code</b> Commit	2023/12/28 23:59

# Outline

- General Rules
  - Teaming up
  - GitHub / CodaLab or Eval AI / Poster / Presentation
  - Grading
- Challenges
  - **Challenge 1** - Situated Reasoning in Real-World Videos (STAR Benchmark)
  - **Challenge 2** - Visual Queries 2D Localization (Ego4D Challenge)

# Teaming Up and Challenge Selection

- Please fill in this [form](#) before **2023/12/01 23:59**
  - Each team should have **4** members
  - Team name
    - English letters (lowercase and uppercase) and numbers only; no spaces
    - **You must use the same team name for GitHub/CodaLab/Eval AI**
  - Team leader
    - Responsible for GitHub team creation and poster/code submission
- We will split the teams equally between the two challenges
  - Your topic choice will be determined by the order of form submissions

# Discussion with TAs

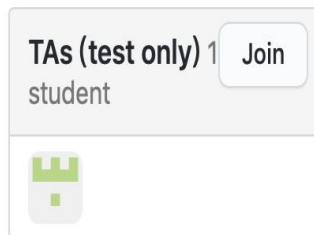
- We will announce more details on 2023/12/02 after teaming-up done.
- Please choose when to meet with TAs before **2023/12/05 23:59**
- Each team will have **20 mins** to discuss.
- **Note that if you do not show on the meeting time, you will lose some points!**

# GitHub

- Join the GitHub group assignments (for each challenge) with your **team name**
  - You must use the same team name for GitHub/CodaLab/Eval AI
  - **The team leader creates the team first, and the team members join afterwards**

*If you are not the team leader →*

Join an existing team



*If you are the team leader →*

OR Create a new team

Create a new team

+ Create team



# Eval AI / CodaLab

- You need to participate in the CodaLab/ Eval AI challenge with your **team name**
  - Eval AI - for Challenge 1
  - CodaLab - for Challenge 2
- Maximum Daily Submissions: 5 times (for each team)
  - CodaLab and Eval AI - will be reset every day
- **Submission Deadline: 2023/12/28 07:59**

# Poster for On-Site Presentation

- **PDF format of size A1 (Portrait, 84.1 cm x 59.4 cm)**
- TAs will print it out for your on-site presentation only if you submit it before the deadline.
- **Submission Deadline: 2023/12/25 11:59**
  - Submitted to the root directory of the team's GitHub repository (format: **poster.pdf**)
  - You can leave some blank areas on your poster for further experiment results and fill them up right before the final presentation.
- If you do not submit your poster before the above deadline, you will need to print it out on your own.
- **Write your name and student ID on the poster!**

# On-Site Presentation

- **Schedule: 2023/12/28 13:00-17:00**
- Location: 電二142
- 休息室: 電二144

13:00 - 13:20	<b>Challenge #1</b> <small>(STAR)</small> - <b>Poster Readyng</b>
13:20 - 14:40	<b>Challenge #1 - Presentation</b>
14:40 - 15:00	<b>Tea Break / Challenge #2</b> <small>(VQ2D)</small> - <b>Poster Readyng</b>
15:00 - 15:10	<b>Challenge #1 - Awarding Ceremony</b>
15:10 - 16:30	<b>Challenge #2 - Presentation</b>
16:30 - 16:50	<b>Tea Break</b>
16:50 - 17:00	<b>Challenge #2 - Awarding Ceremony</b>

# On-Site Presentation

- **Poster Reading**

- 13:00-13:20 for Challenge-1 and 14:40-15:00 for Challenge-2
- Prepare your posters (i.e., pasting them onto to the boards) in the given time slots

- **Presentation**

- Proceed team-by-team according to the **Team ID** for each challenge ([Excel](#))
- **Time Limit - 5 mins per team**
  - Each team will be given a maximum of 4 minutes for presentation
  - An additional 1 minute will be reserved for Q&A from the lecturer and the TAs
  - As we have a tight schedule, we will control your time strictly!
- For each team, if no members show up for the final presentation, all team members will receive 0 points for this part (0 out of 25 points)

# Code Submission

- **Code Submission Deadline: 2023/12/28 23:59**
- Submit all the training/testing code to your team's Github repository
- Provide a detailed **README.md** file with example scripts for TAs to reproduce your results (including model training and inference)
- If TAs cannot reproduce your results, you will receive 0 points in the code part (unless minor errors)

# Grading

- Model Performance - CodaLab / Eval AI
  - Baseline
  - Relative ranking
- Approach & Presentation
  - Discussion with TAs
  - Novelty and Technical Contributions
  - Completeness of Experiments
  - Poster & Oral Presentation
  - Bonus - Intra / Inter-Team Evaluation

# Grading - Intra/Inter-Team Evaluation

- Intra-Team Evaluation
  - You must participate and work with your team member
  - We might adjust your final scores based on the evaluation
- Inter-Team Evaluation
  - The top 3 teams selected by (lecturer, guest, & TA) judges will receive cash prizes
  - The most-voted teams for each challenge will receive bonus points (or gifts)

# Challenge 1 -STAR Benchmark

A Benchmark for Situated Reasoning in Real-World Videos

[Github classroom link](#)

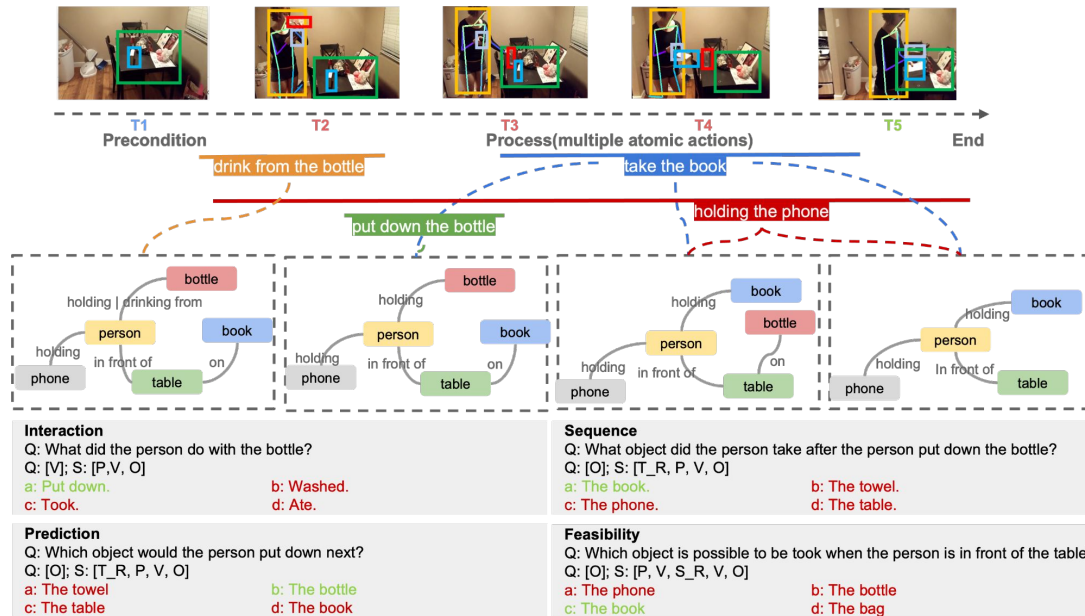
[Eval.ai leaderboard link](#)

(Do not join them until we announce the final topics for your teams)



# STAR Benchmark - Task (1/2)

- Multiple choice video questions answering
  - Input: Video + question + hypergraph(training only) + bounding box(training only)
  - output: Multiple choice answer.



# STAR Benchmark - Task (2/2)

- [Webpage link](#), [Github link](#).
- 4 Question Types, [example](#).
  - Interaction
  - Sequence
  - Prediction
  - Feasibility

## Interaction

Q: What did the person do with the bottle?

Q: [V]; S: [P,V, O]

a: Put down.

b: Washed.

c: Took.

d: Ate.

## Sequence

Q: What object did the person take after the person put down the bottle?

Q: [O]; S: [T\_R, P, V, O]

a: The book.

b: The towel.

c: The phone.

d: The table.

## Prediction

Q: Which object would the person put down next?

Q: [O]; S: [T\_R, P, V, O]

a: The towel

b: The bottle

c: The table

d: The book

## Feasibility

Q: Which object is possible to be took when the person is in front of the table?

Q: [O]; S: [P, V, S\_R, V, O]

a: The phone

b: The bottle

c: The book

d: The bag

# STAR Benchmark - Dataset (1/4)

- **Data Format**

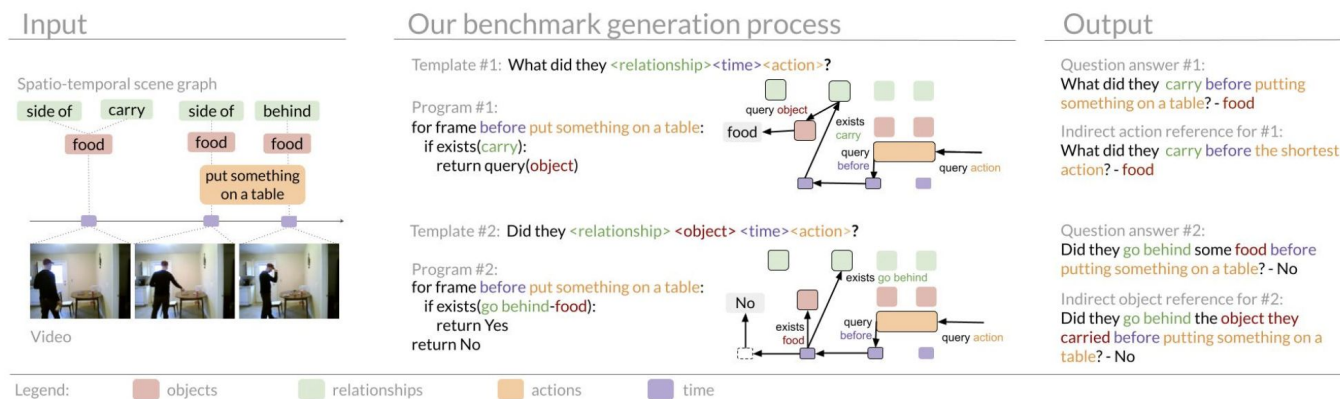
- 9848 raw videos from Charades (scaled to 480p) ~16 G (~70G in frame-wise .png )
- Train/val/test annotation files
- Train: 45731/ val: 7098 / test: 7377

```
[  
  {"question_id": "Interaction_T1_31",  
   "question": "Which object was thrown by the person?",  
   "video_id": video_name, "start": start_time, "end": end_time,  
   "choices": ..., # options to answer the given question  
   "answer": ...,  
   "situations": ... # relations, bounding boxes, ...  
 }, ...  
]
```

**Not given in testing data**

# STAR Benchmark - Dataset (2/4, optional)

- situations
  - situations: {'000206': {'rel\_pairs': [['o000', 'o027'], ['o000', 'o019'], ['o000', 'o004'], ['o000', 'o004']], 'rel\_labels': ['r002', 'r002', 'r002', 'r003'], 'actions': ['a004', 'a002', 'a056'], 'bbox': [[167.51, 317.98, 226.33, 331.49], [140.16, 268.79, 211.72, 323.48], [162.93, 298.17, 228.31, 331.25]], 'bbox\_labels': ['o027', 'o019', 'o004']}}}
- You can generate new questions base on situations (optional).
  - Question Templates (.csv), QA Programs (.csv)



# STAR Benchmark - Dataset (3/4, optional)

- Annotations
  - Classes Files (.zip)
  - Actions, objects, relationships, verbs

```
1 a000 hold some clothes
2 a001 put clothes somewhere
3 a002 take some clothes from somewhere
4 a003 throw clothes somewhere
5 a004 tidy some clothes
6 a005 wash some clothes
7 a006 close a door
8 a007 open a door
9 a008 sit on a table
10 a009 sit at a table
11 a010 tidy up a table
12 a011 wash a table
13 a012 hold a phone/camera
14 a013 put a phone/camera somewhere
15 a014 take a phone/camera from somewhere
16 a015 open a bag
```

```
1 o000 person
2 o001 broom
3 o002 picture
4 o003 closet/cabinet
5 o004 blanket
6 o005 window
7 o006 table
8 o007 paper/notebook
9 o008 refrigerator
10 o009 pillow
11 o010 cup/glass/bottle
12 o011 shelf
13 o012 shoe
14 o013 medicine
15 o014 phone/camera
16 o015 box
17 o016 sandwich
```

```
1 r000 on
2 r001 behind
3 r002 in_front_of
4 r003 on_the_side_of
5 r004 above
6 r005 beneath
7 r006 drinking_from
8 r007 have_it_on_the_back
9 r008 wearing
10 r009 holding
11 r010 lying_on
12 r011 covered_by
13 r012 carrying
14 r013 eating
15 r014 leaning_on
```

```
1 v000 close
2 v001 drink
3 v002 eat
4 v003 grasp
5 v004 hold
6 v005 lie
7 v006 open
8 v007 put
9 v008 sit
10 v009 stand
11 v010 take
12 v011 throw
13 v012 tidy
14 v013 turn
```

# STAR Benchmark - Dataset (4/4, optional)

- Bounding boxes
  - Object Bounding Boxes (.pkl).
  - Human Bounding Boxes (.pkl).

# STAR Benchmark - Evaluation (1/2)

- Metrics
  - Accuracies of 4 types of questions and overall accuracy.
    - Interaction
    - Sequence
    - Prediction
    - Feasibility

# STAR Benchmark - Evaluation (1/2)

- [Website](#)
- Submission
  - 20 times per day / 150 times per month
  - Format: [link](#)
  - Example

```
{  
  "Interaction": [{"question_id": "Interaction_T1_0", "answer": 0}],  
  "Sequence": [{"question_id": "Interaction_T1_29", "answer": 1}],  
  "Prediction": [{"question_id": "Prediction_T2_555", "answer": 3}],  
  "Feasibility": [{"question_id": "Feasibility_T6_1466", "answer": 2}]  
}
```



# STAR Benchmark - Grading (1/2)

- **Final 34%** (Bonus up to **3%**)
  - **Model Performance - Eval.ai 9%**
    - Baseline **4%**
    - Relative ranking in class **5%**
  - **Approach & Presentation 25% + 3%**
    - Discussion with TAs **2%**
    - Novelty and technical contributions **10%**
    - Completeness of experiments **8%**  
(e.g., ablation study, visualization, etc.)
    - Poster & Oral Presentation **5%**
    - Bonus (intra / inter-team evaluation) up to **3%**

Points	Team Ranking
5	top 0% - 20%
4.5	top 20% - 40%
4	top 40% - 60%
3.5	top 60% - 80%
3	top 80% - 100%

# STAR Benchmark - Grading (2/2)

- Baseline

Rank ⬆	Participant team ⬆	Int_Acc (↑) ⬆	Seq_Acc (↑) ⬆	Pre_Acc (↑) ⬆	Fea_Acc (↑) ⬆	Mean (↑) ⬆	Last submission at ⬆
1	Fudan Nebula (Work in progress (submitted to))	68.47	72.08	60.06	50.09	62.67	2 months ago
2	wade (TgMoE)	63.92	69.29	62.57	52.52	62.08	4 months ago
3	Q (mPLUG)	60.42	65.62	57.54	49.57	58.29	1 year ago
4	ASTAR I2R Visual-Language Team (Method 1.2 merge)	60.93	62.75	56.56	50.78	57.76	1 year ago
5	hk_reporter (naive)	59.33	63.09	55.31	45.91	55.91	1 year ago
6	docdoc (CoVGT)	46.23	50.34	45.11	43.13	46.20	1 year ago
7	VQA_ON_STAR (instructBLIP)	39.85	44.71	45.39	47.30	44.31	15 minutes ago
8	antoine77340 (Flamingo 32-shot)	42.15	44.56	40.64	41.57	42.23	2 years ago

# STAR Benchmark - Rules

- Feel free to use any pretrained video/visual-language model.
- Your results need to be reproducible with your submitted code and models.
- Please use **python3** instead of python for your scripts.
- Any violation would result in 0 score for your final project.

# Challenge 2 - Visual Queries 2D Localization Task

## (Ego4D Challenge)

[Github classroom link](#)  
[CodaLab leaderboard link](#)

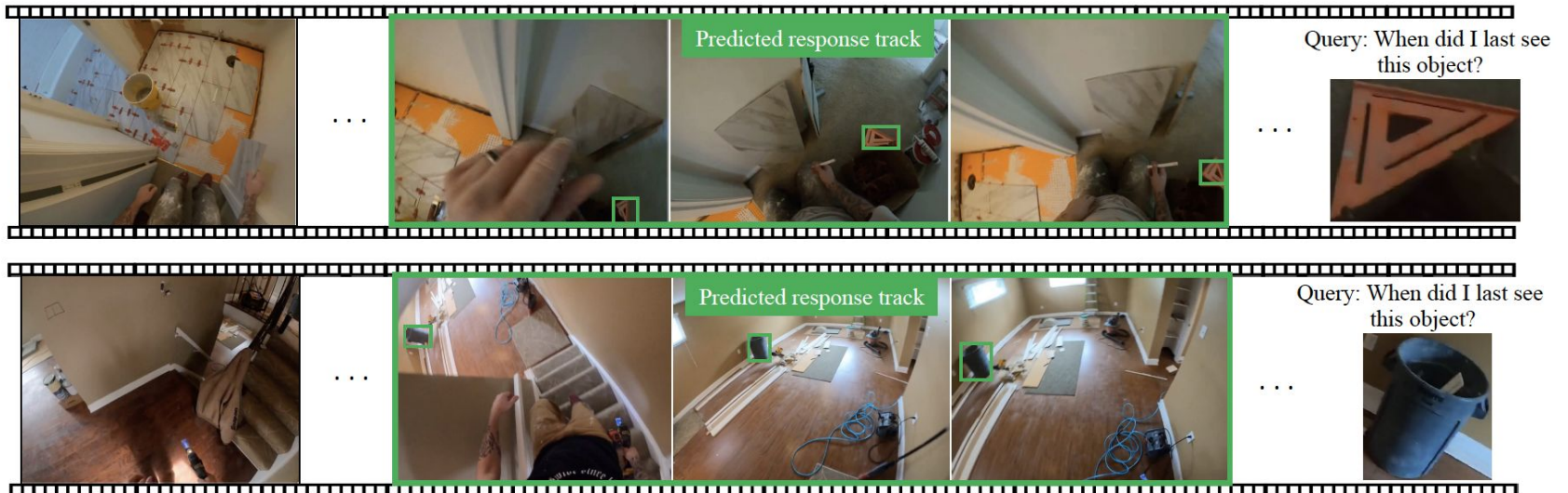
(Do not join them until we announce the final topics for your teams)



# VQ2D

- Task

- Given a **short clip** and an **image query**, predict the last time the object appeared in the clip
- Predict the bounding box for each frame



# VQ2D

Query: When did I last see  
this object?



- Definitions

- **clip**: a short video
- **image query**: an image cropped from the clip, defined by **visual\_crop** image query
- **response\_track**: a consecutive window when the object last appeared; the ground truth
- **query\_frame**: **the timestep** when I ask “When did I last see object X?”

- Task description

- Your task is to predict the **response\_track**
- Find the specific object in the image query
  - If there are multiple trash cans in the video,  
only the one in the image query counts

```
{
  "0e7fba95-22d9-4ab0-9815-4bb7880d8557": {
    "annotations": [
      {
        "query_sets": {
          "1": {
            "is_valid": true,
            "query_frame": 91,
            "response_track": [
              {"frame_number": 53, "x": 560.46, "y": 127.76, "w": 100, "h": 100},
              {"frame_number": 54, "x": 535.53, "y": 38.24, "w": 100, "h": 100},
              {"frame_number": 55, "x": 499.17, "y": 0.02, "w": 100, "h": 100},
              {"frame_number": 56, "x": 445.86, "y": 0.04, "w": 100, "h": 100},
              {"frame_number": 57, "x": 378.45, "y": 0.05, "w": 100, "h": 100},
              {"frame_number": 58, "x": 426.04, "y": -0.01, "w": 100, "h": 100}
            ],
            "object_title": "remote control",
            "visual_crop": {
              "frame_number": 126, "x": 411.31, "y": 254.65, "w": 100, "h": 100}
            }
          }
        }
      }
    ]
  }
}
```

# VQ2D - Dataset (1/4)

- **Data Format**

- 1462 short clips (~30GB totally)
- ~300 secs for each clip
- Train/val/test annotation files
- Train: 1171/ val: 146 / **test: 145**
- You have to output **pred.json** based on  
**vq\_test\_unannotated.json**
- [Dataset link](#)

VQ2D/

```
vq_train.json
vq_val.json
vq_test_unannotated.json
clips/
    {clip_uid}.mp4
...
```

# VQ2D - Dataset (2/4)

## Annotation files

vq\_train.json, vq\_val.json

- <clip\_uid> (*string*)
  - annotations (*array*)
    - query\_sets
      - "1"
        - query\_frame (*int*)
        - response\_track
          - frame\_number (*int*)
          - x
          - y
          - width
          - height
          - original\_width
          - original\_height
      - visual\_crop
        - x, y, width, height, ...
    - "2" ...
    - "3" ...
  - annotation\_uid (*string*)

```
{
  "0e7fba95-22d9-4ab0-9815-4bb7880d8557": {
    "annotations": [
      {
        "query_sets": {
          "1": {
            "is_valid": true,
            "query_frame": 91,
            "response_track": [
              {"frame_number": 53, "x": 560.46, "y": 127.76, "width": 54.54, "height": 75.49, "original_width": 640, "original_height": 360},
              {"frame_number": 54, "x": 535.53, "y": 38.24, "width": 53.42, "height": 82.99, "original_width": 640, "original_height": 360},
              {"frame_number": 55, "x": 499.17, "y": 0.02, "width": 51.03, "height": 83.62, "original_width": 640, "original_height": 360},
              {"frame_number": 56, "x": 445.86, "y": 0.04, "width": 45.98, "height": 66.28, "original_width": 640, "original_height": 360},
              {"frame_number": 57, "x": 378.45, "y": 0.05, "width": 47.87, "height": 72.64, "original_width": 640, "original_height": 360},
              {"frame_number": 58, "x": 426.04, "y": -0.01, "width": 41.19, "height": 12.05, "original_width": 640, "original_height": 360}
            ],
            "object_title": "remote control",
            "visual_crop": {
              "frame_number": 126, "x": 411.31, "y": 254.65, "width": 47.94, "height": 82.73, "original_width": 640, "original_height": 360
            }
          },
          "2": {
            "is_valid": true,
            "query_frame": 313,
            "response_track": [
              {"frame_number": 269, "x": 607.54, "y": 255.7, "width": 32.46, "height": 78.65, "original_width": 640, "original_height": 360},
              {"frame_number": 270, "x": 598.59, "y": 231.82, "width": 41.44, "height": 87.45, "original_width": 640, "original_height": 360},
              {"frame_number": 271, "x": 577.18, "y": 266.43, "width": 62.86, "height": 83.72, "original_width": 640, "original_height": 360},
              {"frame_number": 272, "x": 552.24, "y": 274.33, "width": 40.0, "height": 85.35, "original_width": 640, "original_height": 360},
              {"frame_number": 273, "x": 538.63, "y": 282.6, "width": 78.88, "height": 74.56, "original_width": 640, "original_height": 360},
              {"frame_number": 274, "x": 543.08, "y": 275.71, "width": 78.5, "height": 72.78, "original_width": 640, "original_height": 360},
              {"frame_number": 275, "x": 560.19, "y": 285.25, "width": 79.84, "height": 74.74, "original_width": 640, "original_height": 360},
              {"frame_number": 276, "x": 602.98, "y": 220.67, "width": 37.14, "height": 69.01, "original_width": 640, "original_height": 360}
            ],
            "object_title": "cup",
            "visual_crop": {
              "frame_number": 165, "x": 456.13, "y": 272.85, "width": 88.52, "height": 86.09, "original_width": 640, "original_height": 360
            }
          }
        ],
        "3": {
```

response\_track is the ground truth

sample vq\_train.json



# VQ2D - Dataset (3/4)

## Annotation files

### vq\_test\_unannotated.json

- <clip\_uid> (*string*)
  - annotations (*array*)
    - query\_sets
      - "1"
        - query\_frame (*int*)
        - visual\_crop
          - frame\_number (*int*)
          - x
          - y
          - width
          - height
          - original\_width
          - original\_height
    - "2" ...
    - "3" ...
  - annotation\_uid (*string*)

```
{
  "05fa0b5d-5afb-4cf8-9f91-a997ded19177": {
    "annotations": [
      {
        "query_sets": {
          "1": {
            "is_valid": true,
            "query_frame": 21,
            "object_title": "jug",
            "visual_crop": {
              "frame_number": 50, "x": 345, "y": 37, "width": 108, "height": 95,
              "original_width": 480, "original_height": 360
            }
          },
          "3": {
            "is_valid": true,
            "query_frame": 71,
            "object_title": "kitchen towel",
            "visual_crop": {
              "frame_number": 431, "x": 354, "y": 280, "width": 69, "height": 72,
              "original_width": 480, "original_height": 360
            }
          },
          "2": {
            "is_valid": true,
            "query_frame": 95,
            "object_title": "container",
            "visual_crop": {
              "frame_number": 183, "x": 397, "y": 309, "width": 22, "height": 35,
              "original_width": 480, "original_height": 360
            }
          }
        },
        "annotation_uid": "33a8265d-c515-41e4-ae4-6ebfdcaa34b1"
      }
    ]
  },
}
```

sample vq\_test\_unannotated.json

# VQ2D - Dataset (4/4)

## Output file

pred.json

- <clip\_uid> (string)
  - predictions (array)
    - query\_sets
      - "1"
        - bboxes
          - x1
          - y1
          - x2
          - y2
          - fno
        - score (float)
      - "2" ...
      - "3" ...

$x2 = x1 + \text{predicted width}$

$y2 = y1 + \text{predicted height}$

fno: frame\_number

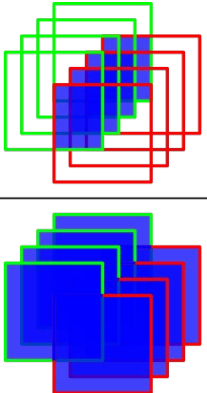
```
{
  "0e7fba95-22d9-4ab0-9815-4bb7880d8557": {
    "predictions": [
      {
        "query_sets": {
          "1": {
            "bboxes": [
              {"x1": 0.00, "y1": 0.00, "x2": 1.00, "y2": 1.00, "fno": 53},
              {"x1": 0.00, "y1": 0.00, "x2": 1.00, "y2": 1.00, "fno": 54},
              {"x1": 0.00, "y1": 0.00, "x2": 1.00, "y2": 1.00, "fno": 55},
              {"x1": 0.00, "y1": 0.00, "x2": 1.00, "y2": 1.00, "fno": 56}
            ],
            "score": 0.9
          },
          "2": {
            "bboxes": [
              {"x1": 0.00, "y1": 0.00, "x2": 1.00, "y2": 1.00, "fno": 267},
              {"x1": 0.00, "y1": 0.00, "x2": 1.00, "y2": 1.00, "fno": 268},
              {"x1": 0.00, "y1": 0.00, "x2": 1.00, "y2": 1.00, "fno": 269},
              {"x1": 0.00, "y1": 0.00, "x2": 1.00, "y2": 1.00, "fno": 270},
              {"x1": 0.00, "y1": 0.00, "x2": 1.00, "y2": 1.00, "fno": 271},
              {"x1": 0.00, "y1": 0.00, "x2": 1.00, "y2": 1.00, "fno": 272},
              {"x1": 0.00, "y1": 0.00, "x2": 1.00, "y2": 1.00, "fno": 273},
              {"x1": 0.00, "y1": 0.00, "x2": 1.00, "y2": 1.00, "fno": 274}
            ],
            "score": 0.3
          },
          "3": {
            "bboxes": [
              {"x1": 0.00, "y1": 0.00, "x2": 1.00, "y2": 1.00, "fno": 715},
              {"x1": 0.00, "y1": 0.00, "x2": 1.00, "y2": 1.00, "fno": 716},
              {"x1": 0.00, "y1": 0.00, "x2": 1.00, "y2": 1.00, "fno": 717}
            ],
            "score": 1.0
          }
        }
      },
      {
        "query_sets": {
          "1": {
            "bboxes": [
```

dummy example of pred.json



# VQ2D - Evaluation (1/4)

- Spatio-temporal AP (stAP):

mAP of object bounding tube (bounding boxes in contiguous frames)  
(with IoU threshold = 0.25)

$$\text{STT-IOU} = \frac{\text{volume of overlap}}{\text{volume of union}} =$$


# VQ2D - Evaluation (2/4)

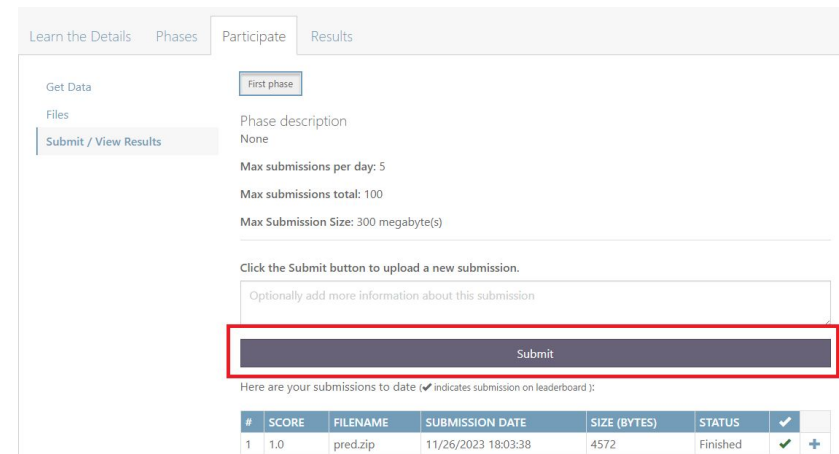
- Create an account and participate the competition (with your team name)
  - [CodaLab Link](#)
  - All members in a team should use the same account.  
(i.e. one team, one account)
  - Your team name should start with “English letter”  
(e.g. 1abc a1bc)

# VQ2D - Evaluation (3/4)

- Submission
  - 5 times per day / 100 in total
  - You should submit your **zip** file to the CodaLab competition
  - Please note that the **zip** file should **ONLY** contain **pred.json**
- Submission format
  - sample\_submission.zip
    - pred.json
  - The **zip** file name is arbitrary, but the **json** file name should be **pred.json**

# VQ2D - Evaluation (4/4)

- Submit your **zip** file in the “Submit/View Results” page.
- You can check your score and ranking in the “Results” page
- To upload the zip file to the “Submit/View Results” page:
  - Click the “Submit” button to choose your zip file
  - Wait for the evaluation
  - STATUS should go as “Submitting” → “Submitted” → “Running” → “Finished”
  - If it has been stuck at the "Submitted" status for a long time (more than 1~2 hours), you can e-mail TAs to re-run your submission.



The screenshot shows the VQ2D submission interface. The top navigation bar includes 'Learn the Details', 'Phases', 'Participate', and 'Results'. The left sidebar has 'Get Data', 'Files', and 'Submit / View Results' (which is active). The main content area shows the 'First phase' button, phase description, submission limits, and a 'Submit' button highlighted with a red box. Below the submission area is a table of submissions.

Learn the Details Phases Participate Results

Get Data Files **Submit / View Results**

First phase

Phase description  
None

Max submissions per day: 5

Max submissions total: 100

Max Submission Size: 300 megabyte(s)

Click the Submit button to upload a new submission.

Optionally add more information about this submission

**Submit**

Here are your submissions to date (✓ indicates submission on leaderboard):

#	SCORE	FILENAME	SUBMISSION DATE	SIZE (BYTES)	STATUS	✓	
1	1.0	pred.zip	11/26/2023 18:03:38	4572	Finished	✓	+

# VQ2D Benchmark - Grading (1/2)

- **Final 34%** (Bonus up to **3%**)
  - **Model Performance - CodaLab 9%**
    - Baseline **4%**
    - Relative ranking in class **5%**
  - **Approach & Presentation 25% + 3%**
    - Discussion with TAs **2%**
    - Novelty and technical contributions **8%**
    - Completeness of experiments **10%**  
(e.g., ablation study, visualization, etc.)
    - Poster & Oral Presentation **5%**
    - Bonus (inter-team evaluation) up to **3%**

Points	Team Ranking
5	top 0% - 20%
4.5	top 20% - 40%
4	top 40% - 60%
3.5	top 60% - 80%
3	top 80% - 100%

# VQ2D Benchmark - Grading (2/2)

- Baseline

First phase

Phase description

None

Max submissions per day: 5

Max submissions total: 100



Download CSV

## Results

#	User	Entries	Date of Last Entry	stAP ▲
1	baseline_is_here	1	11/27/23	0.2864 (1)



# VQ2D Benchmark - Rules

- Your results need to be reproducible with your submitted code and models.
- Please use **python3** instead of python for your scripts.
- Any violation would result in 0 score for your final project.