**QEVD-FIT-300K Dataset Download Instructions**
**Updated August 28, 2024**

The dataset has been subdivided into 4 parts with 3 ~10GB zip files each. Each zip file follows this naming pattern: *QEVD-FIT-300k-Part-X.z*** where X is the part number.

To use the data, all parts and files within them must be downloaded, combined, and extracted as follows:

1. Download all files from each part beginning with *"QEVD-FIT-300k-Part-X.z*" to a single folder*.

2. Once downloaded, combine these files using the following command: s
   zip -FF QEVD-FIT-300k-Part-X.zip --out combined-part-X.zip

3. Once combined, extract the content from the combined.zip archive using:
   unzip combined-part-X.zip

Once extracted, you will find this folder structure for each part:

```
combined-part-X/
├── 00000000.mp4                : Single (~2-5s) video clip containing a single exercise or general activity
├── 00000001.mp4
├── ...
└── fine_grained_labels.json    : Clip-level fine-grained labels (Only present in QEVD-FIT300K-Part-4)
```

4. Combine all the extracted files under a common directory.

File structure:

fine_grained_labels.json

```
[
    {
        'video_path': str,                  : Relative path to video file
        'labels: list[str],                 : Clip-level labels with the following template:
                                              <exercise_name (<general_variant>) - <fine_grained_variant>
        'labels_descriptive': list[str],    : Alternative label form that is more descriptive
        'split': str,                       : 'train' or 'test'
    }
]
```

**QEVD-FIT-COACH Dataset Download Instructions**
**Updated August 28, 2024**

The dataset is available as a single 4GB zip file. The zip file is named: *QEVD-FIT-COACH.zip*.

To use the data, the file must be downloaded, and extracted as follows:

1. Download *QEVD-FIT-COACH.zip*.

2. Extract the content from the zip archive using:
   unzip *QEVD-FIT-COACH.zip*

3. Download all files from the QEVD-FIT-300K Dataset and unzip them to the 'short_clips/' folder in the structure shown below.

This will extract all files in the QEVD-FIT-COACH dataset to the current folder.

Once extracted, you will find this folder structure:

```
combined/
├── short_clips/                  : Download and unzip QEVD-FIT300K here
├── long_range_videos/
│   ├── 0000.mp4                  : Single (~3.5m) workout session with one participant containing 4-6 exercises
│   ├── 0001.mp4
│   └── ...
├── fine_grained_labels.json      : Clip-level fine-grained labels for the FIT-300K dataset (short-clips)
├── feedbacks_short_clips.json    : Feedback annotations for the FIT-300K dataset (short-clips)
├── feedbacks_long_range.json     : Time-stamped feedback annotations on long-range videos
└── questions.json                : Q/A annotations for the FIT-300K dataset (short-clips)
```

File structure:

fine_grained_labels.json

```
[
    {
        'video_path': str,                  : Relative path to video file
        'labels: list[str],                 : Clip-level labels with the following template:
                                              <exercise_name (<general_variant>) - <fine_grained_variant>
        'labels_descriptive': list[str],    : Alternative label form that is more descriptive
        'split': str,                       : 'train' or 'test'
    }
]
```

feedbacks_short_clips.json

```
[
    {
        'video_path': str,                  : Relative path to video file
        'feedback: list[str],               : Feedback instances applicable to the short clips
        'split': str,                       : 'train' or 'test'
    }
]
```

## feedbacks_long_range.json

```
[
    {
        'long_range_video_file': str,       : Relative path to video file
        'video_timestamps: str,             : Relative path to the video timestamps .npy file. Timestamps are in UNIX format.
        'feedback': list[str],              : Feedback sequence
        'feedback_timestamps': list[float], : Timestamps in UNIX format corresponding to each feedback in the feedback sequence
        'is_transition': list[bool],        : Whether a feedback in the feedback sequence is a transition feedback.
                                              E.g., "Let's switch to high knees."
    }
]
```

## questions.json

```
[
    {
        'video_path': str,                  : Relative path to video file
        'high_level: {
            'query': list[str],             : List of high-level questions. e.g. "What exercise is the user doing?"
            'response': list[str],          : Query responses
            'query_type': list[str],        : Style of question, one of: 'probe' (E.g., "What exercise is the user doing?")
                                              or 'user' (E.g., "What exercise am I doing?")
        },
        'fine_grain: {
            'query': list[str],             : List of fine-grained questions. e.g. "Is the user using only one arm?"
            'response': list[str],          : See above
            'query_type': list[str],        : See above
        },
        'split': str,                       : 'train' or 'test'
]
```

**QEVD-FIT-COACH Benchmark Download Instructions**
**Updated August 28, 2024**

The dataset is available as a single ~2GB zip file. The zip file is named: *QEVD-FIT-COACH-Benchmark.zip*.

To use the data, the file must be downloaded, and extracted as follows:

1. Download *QEVD-FIT-COACH-Benchmark.zip*.

2. Extract the content from the zip archive using:
   unzip *QEVD-FIT-COACH-Benchmark.zip*

This will extract all files in the QEVD-FIT-COACH Benchmark to the current folder.

Once extracted, you will find this folder structure:

```
combined/
├── long_range_videos/
│   ├── 0000.mp4          : Single (~3.5min) workout session with one participant containing 4–5 exercises
│   ├── 0001.mp4
│   └── ...
└── feedbacks_long_range.json
```

File structure:

feedbacks_long_range.json

```
[
    {
        'long_range_video_file': str,          : Relative path to video file
        'video_timestamps: str,                : Relative path to the video timestamps .npy file. Timestamps are in UNIX format.
        'feedback': list[str],                 : Feedback sequence
        'feedback_timestamps': list[float],    : Timestamps in UNIX format corresponding to each feedback in the feedback sequence
        'is_transition': list[bool],           : Whether a feedback in the feedback sequence is a transition feedback.
                                                 E.g., "Let's switch to high knees."
    }
]
```

**QEVD-FIT-COACH Competition CVPR 2025 Download Instructions**
**Updated March 4, 2025**

The dataset is available as a single ~1.4GB zip file. The zip file is named: *QEVD-FIT-COACH-Competition-CVPR2025.zip*.

To use the data, the file must be downloaded, and extracted as follows:

1. Download *QEVD-FIT-COACH-Competition-CVPR2025.zip*.

2. Extract the content from the zip archive using:
   unzip *QEVD-FIT-COACH-Competition-CVPR2025.zip*

This will extract all files in the QEVD-FIT-COACH Competition CVPR2025 to the current folder.

Once extracted, you will find this folder structure:

```
long_range_videos/
    0000.mp4                        : Single (~3.5min) workout session with one participant containing 4–5 exercises
    0001.mp4
    ...
feedbacks_long_range.json
```

File structure:

feedbacks_long_range.json

```
[
    {
        'long_range_video_file': str,               : Relative path to video file
        'video_timestamps: str,                     : Relative path to the video timestamps .npy file. Timestamps are in seconds from video start.
        'exercises': list[str],                     : List of exercises (in order of execution)
        'exercise_start_timestamps': list[float],   : Start timestamps of the exercises in 'exercises' (seconds relative to video start)
        'exercise_end_timestamps': list[float],     : End timestamps of the exercises in 'exercises' (seconds relative to video start)
    }
]
```