

# Meta 2022 Fall Capstones

## Capstones

### New

#### CASP15 - Protein Structure Prediction

##### Links

- [External site](#)

Project idea - see how well you can perform on this data/task

#### Embodied AI with Droidlet

##### Links

- [Paper](#)

Project idea - experiment with modular, heterogeneous, multi-modal agents

#### Coco

##### Link

- [External site](#)

Project idea - use the dataset for tasks of Detection, DensePose, Keypoints, Stuff (!), Panoptic and Captions. See how well you can perform on this data/task

#### Ego4D Challenges

##### Link

- [External site](#)

Project idea - 16 challenges across episodic memory, hands and objects, audio-visual diarization & social and forecasting. Making use of the annotated dataset of >3,670 hours of video data

## MLPerf

### Links

- [External site](#)

Project idea - see how well you can perform on this data/task. Particularly DLRM, contributed by Meta.

## Open Catalyst

### Links

- [Paper](#)

Project idea - contains task definitions, dataset splits, metrics, and baseline GNN results

## Privacy Enhancing Technologies

### Links

- [2022 announcement](#)

Project idea - 7 suggestions of broad areas of privacy enhancement

## Updated

### Hateful Memes

#### Links

- [Paper](#)

Project idea - similar to previous but now extended with with shared tasks

## Existing

### Casual Conversations

#### Links

- [Internal v2 announcement](#)
- [v1 dataset](#)

Project idea - use the dataset to debias a model

## Others

- See the full list of previous capstone project ideas [here](#)
  - Habitat AI
  - Motion Prediction
  - fastMRI
  - Self Supervised MRI Reconstruction
  - Adversarial NLI / Hateful Memes
  - Transformer Adapter
  - Algo Trading

## Less Fleshed Out

- [DataPerf: Benchmarks for Data-Centric AI Development](#)
- [Use Dynabench data collection and benchmarking platform](#)
- [Leverage Mephisto tool](#)

## TBC

- OpenDACC (talking to Joe)
- Soliciting Rich soliciting datasets from FAIR West Coast