

Assignment 2: Create ML model based on Anonymous Walk Embeddings for node level prediction

3/14/2025

10 Points Possible

Attempt 1



In Progress

NEXT UP: Submit Assignment



Add Comment

1 Attempt Allowed

2/28/2025 to 3/14/2025

Details

1. Group Assignment. Each member of Group is expected to contribute equally.
2. Each Group is supposed to submit one solution which should contain Code details , ML design document and outcome.
3. Try to build solution on cloud lab first, if not then take approval from program coordinator by providing evidences to use other machine.
4. Mention the contribution percentage by each member.
5. Problem Statement:
 - a. Predict the label of graph based on model designed as per below details.
 - b. Generate Graph embedding using Research Paper Anonymous Walk Embeddings Sergey Ivanov12 Evgeny Burnaev1 URL: [Anonymous Walk Embeddings Sergey Ivanov12 Evgeny Burnaev1 URL](https://arxiv.org/abs/1805.11921) (https://arxiv.org/abs/1805.11921)
 - c. Use Suitable neural network to predict the label.
 - d. Optimize entire model pipeline for prediction.
 - e. Dataset :ogbg-molhiv from <https://ogb.stanford.edu/docs/graphprop/#ogbg-mol> (https://ogb.stanford.edu/docs/graphprop/#ogbg-mol). Read the Dataset details before working on this dataset.

Keep in mind, this submission will count for everyone in your Assignment Groups group.

Choose a submission type.

Upload



Arc