# Online GNN Evaluation Under Test-time Graph Distribution Shifts

## Main Task

Traditional way of evaluating a GNN rely on an existing ground-true graph allowing the calculating of the accuracy. However, the ground truth graph is generally hard to obtain. There might be node feature and domain shifts form the train graph and real-world test graph. Moreover, in the online scenario, the train graph is generally un-obtainable due to privacy reason. The main challenge the paper trying to provide a way evaluation of a well train GNN on a test graph is with out accessing the training data.

## Overview of solution

What you think is the highlight of the solution and what potential improvements you see.

What shift in distribution

How to determine whether D\_pred or D\_stru is more important

What does mean to be parameter-free