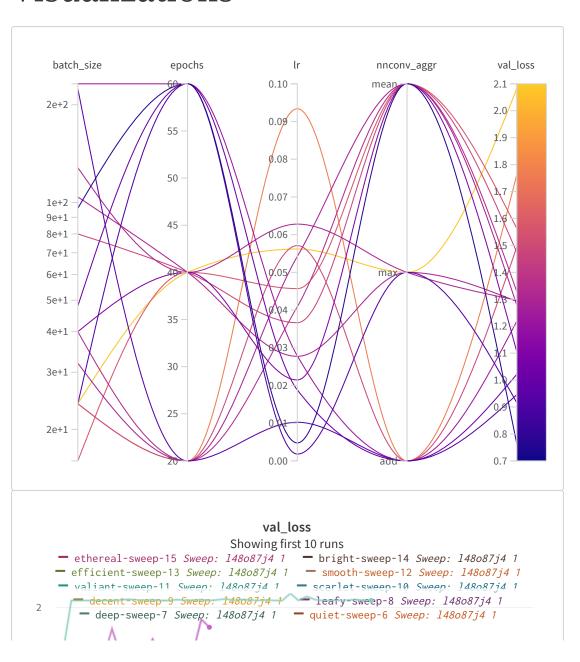
random search with sweeps and nnconv

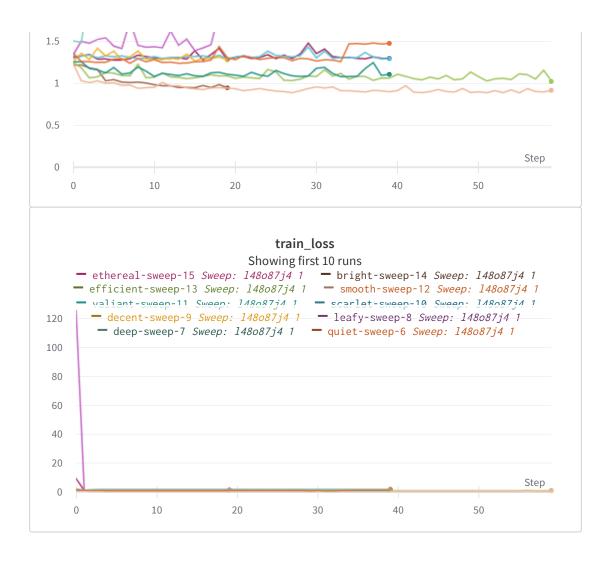
adam_mse_nnconv_poolMaxAggr_2fc_wandb_random

Xinran Liu

```
# Define the GNN model
class GNNModel(nn.Module):
    def __init__(self, in_channels, hidden_dim_1, hidden_dim_2, hidd
        super(GNNModel, self).__init__()
        #nn - A neural network that maps edge features edge_attr of
        nn1 = nn.Sequential(nn.Linear(5, 128), ReLU(), nn.Linear(128
        self.conv1 = NNConv(in_channels, hidden_dim_1, nn1, aggr=cor
        self.global_pool = aggr.MaxAggregation()
        self.fc1 = nn.Linear(hidden_dim_1, hidden_dim_3)
        self.fc2 = nn.Linear(hidden_dim_3, out_channels)
    def forward(self, data):
        x, edge_index, edge_attr, batch = data.x, data.edge_index, d
        x = self.conv1(x, edge_index, edge_attr).relu()
        #x = global_mean_pool(x, batch) # size = [batch_size, hiddel]
        x = self.global_pool(x,batch)
        x = self.fc1(x).relu()
        x = self.fc2(x)
        return x
sweep_configuration = {
'method': 'random',
'metric': {'goal': 'minimize', 'name': 'val_loss'},
'parameters': {'batch_size': {'distribution': 'q_log_uniform_values'
                               'max': 256,
                               'min': 16,
                                'q': 8},
                'criterion': {'value': 'MSELoss()'},
                'epochs': {'values': [20,40,60]},
```

Visualizations





Created with \heartsuit on Weights & Biases.

 $https://wandb.ai/ntuwb/adam_mse_nnconv_poolMaxAggr_2fc_wandb_random_new/reports/random-search-with-sweeps-and-nnconv--Vmlldzo0NDQwMTI0$