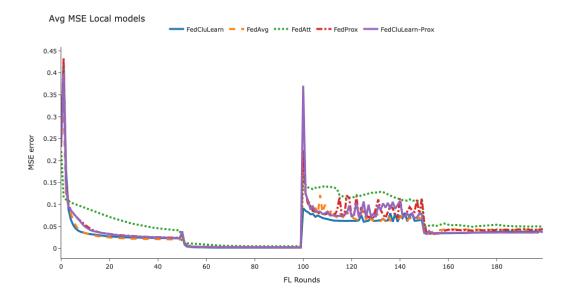
control experiment 5G A2 recent

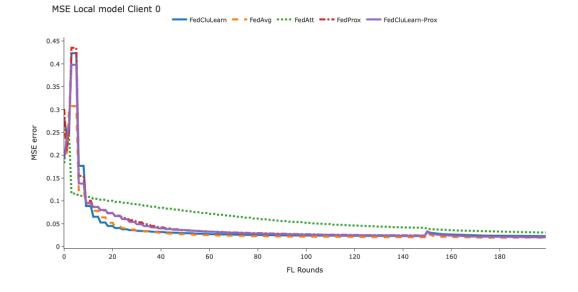
May 29, 2025

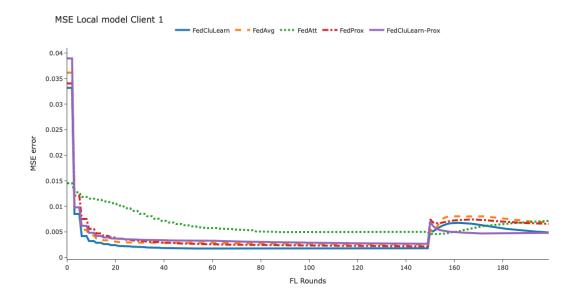
```
[12]: import importlib
      import src.plots
      importlib.reload(src.plots)
[12]: <module 'src.plots' from '/Users/milenaangelova/git-
      repo/FedCluLearn/src/plots.py'>
[13]: from src.plots import plot_plotly, preprocessing_results
[14]: local FedAtt = 'results/results_FedAtt_2025-02-26 13:25:19.867217.txt'
      global_FedAtt = 'results/global_model_evaluation_FedAtt_2025-02-26 13:25:19.
      local FedProx = 'results/results FedProx 2025-02-26 13:25:13.689653.txt'
      global_FedProx = 'results/global_model_evaluation_FedProx_2025-02-26 13:25:13.
      local_FedAvg = 'results/results_FedAvg_2025-02-26 13:29:55.229671.txt'
      global FedAvg = 'results/global model evaluation FedAvg 2025-02-26 13:29:55.
       →229671.txt'
      local_FedCluLearn = 'results/results_FedCluLearn_2025-02-26 13:46:34.610555.txt'
      global_FedCluLearn = 'results/global_model_evaluation_FedCluLearn_2025-02-26 13:
       ⇒46:34.610555.txt'
      local_FedCluLearn_Prox = 'results/results_FedCluLearn_Prox_2025-02-26 13:47:10.
       ⇔790761.txt'
      global_FedCluLearn_Prox = 'results/
       -global_model_evaluation_FedCluLearn_Prox_2025-02-26 13:47:10.790761.txt'
[15]: |local_filenames = [local_FedCluLearn, local_FedAvg, local_FedAtt,_u
       →local_FedProx, local_FedCluLearn_Prox]
      global_filenames = [global_FedCluLearn, global_FedAvg, global_FedAtt,_
       ⇒global_FedProx, global_FedCluLearn_Prox]
[16]: mse_column = 'mse'
      n_rounds, y = preprocessing_results(filenames=local_filenames,__
       →mse_column=mse_column)
      plot_plotly(n_rounds, y, title='Avg MSE Local models', u

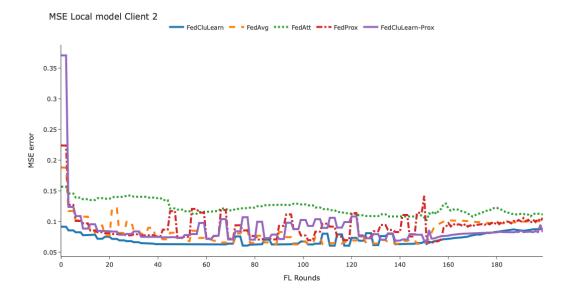
    y_axis_title=f'{mse_column.upper()} error', y_axis_max=0.3)
```











```
[18]: mse_column = 'mse'

# n_rounds, y = preprocessing_results(filenames=[global_FedCluLearn,__

-global_FedCluLearn_recent, global_FedCluLearn_percentage, global_FedAvg,__

-global_FedAtt, global_FedProx, global_FedCluLearn_Prox,__

-global_FedCluLearn_Prox_recent, None], mse_column=mse_column)

# global_filenames = [global_FedCluLearn, global_FedAvg, global_FedAtt,__

-global_FedProx, global_FedCluLearn_Prox]
```

