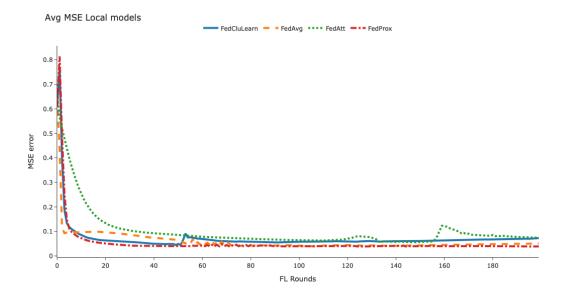
control experiment 5G A1 recent

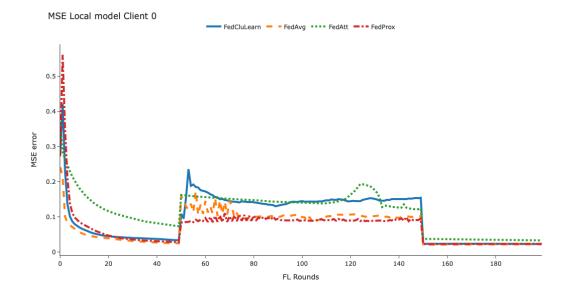
May 29, 2025

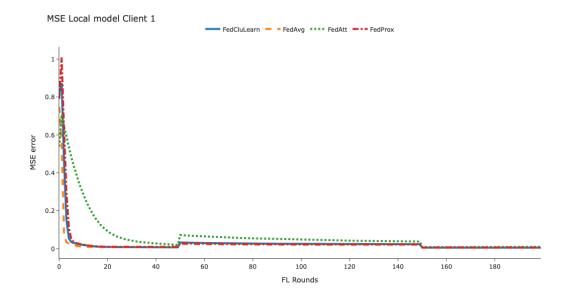
```
[1]: import importlib
     import src.plots
     importlib.reload(src.plots)
[1]: <module 'src.plots' from '/Users/milenaangelova/git-repo/FedClust/src/plots.py'>
[2]: from src.plots import plot_plotly, preprocessing_results
[3]: local_FedCluLearn = 'results/results FedCluLearn_2025-02-07 13:40:27.170073.txt'
     global_FedCluLearn = 'results/global model_evaluation FedCluLearn 2025-02-07 13:
      940:27.170073.txt '
     local_FedAvg = 'results/results_FedAvg_2025-02-05 11:02:59.570648.txt'
     global_FedAvg = 'results/global_model_evaluation_FedAvg_2025-02-05 11:02:59.
      ⇒570648.txt'
     local_FedAtt = 'results/results_FedAtt_2025-02-15 14:24:24.188745.txt'
     global FedAtt = 'results/global model evaluation FedAtt 2025-02-15 14:24:24.
      ⇔188745.txt'
     local FedProx = 'results/results FedProx 2025-02-16 08:55:52.957901.txt'
     global_FedProx = 'results/global_model_evaluation_FedProx_2025-02-16 08:55:52.
      ⇔957901.txt'
     local_FedCluLearn_Prox = 'results/results_FedCluLearn_Prox_2025-02-26 12:07:09.
      ⇔049414.txt'
     global_FedCluLearn_Prox = 'results/
      global_model_evaluation_FedCluLearn_Prox_2025-02-26 12:07:09.049414.txt'
[4]: local_filenames = [local_FedCluLearn, local_FedAvg, local_FedAtt,_u
      Glocal_FedProx, local_FedCluLearn_Prox]
     global_filenames = [global_FedCluLearn, global_FedAvg, global_FedAtt,_
      ⇒global_FedProx, global_FedCluLearn_Prox]
[5]: 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

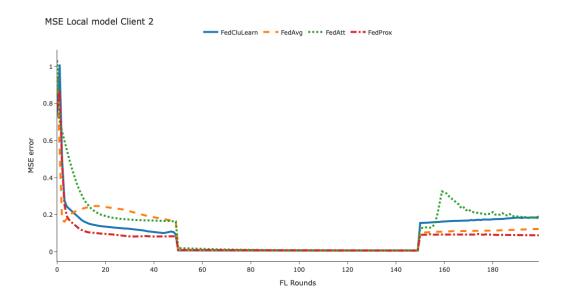
    y_axis_title=f'{mse_column.upper()} error', y_axis_max=0.3)
```











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

# n_rounds, y = preprocessing_results(filenames=[global_FedCluLearn, \( \)

\( \times \) global_FedCluLearn_recent, global_FedCluLearn_percentage, global_FedAvg, \( \)

\( \times \) global_FedAtt, global_FedProx, global_FedCluLearn_Prox, \( \)

\( \times \) global_FedCluLearn_Prox_recent, None], mse_column=mse_column)

# global_filenames = [global_FedCluLearn, global_FedAvg, global_FedAtt, \( \)

\( \times \) global_FedProx, global_FedCluLearn_Prox]
```

