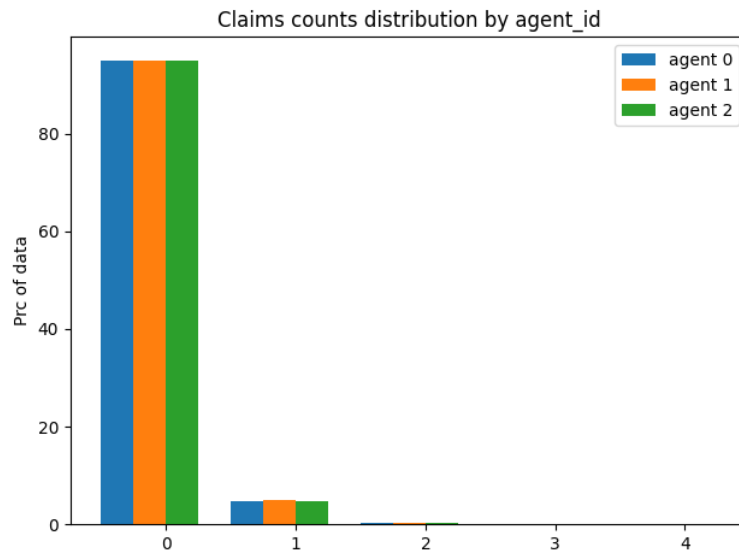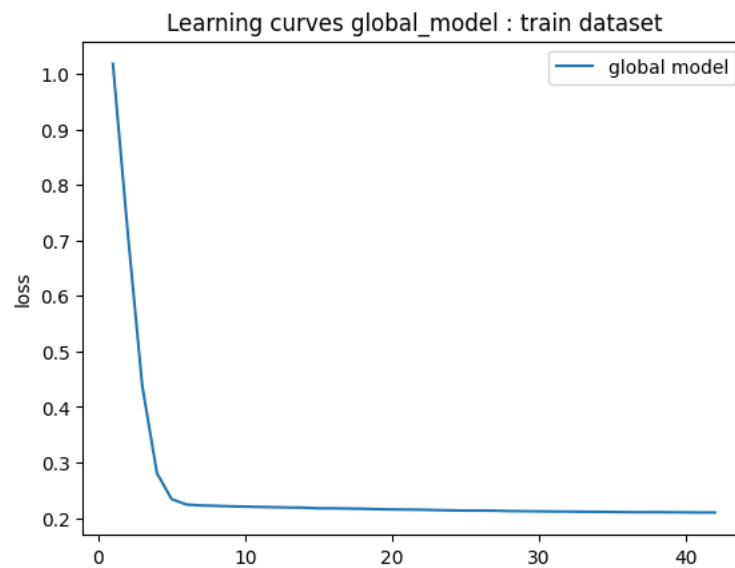Run Results: num_agents: 3; num_rounds: 6; epochs: 7; epochs local and global: 42

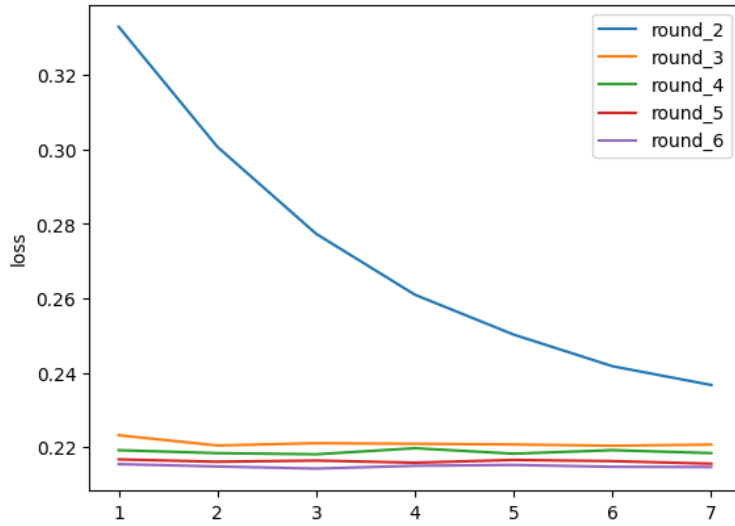Input Data: Distribution of numbers of observed claims by FL participating parties.

Claims counts distribution by agent_id
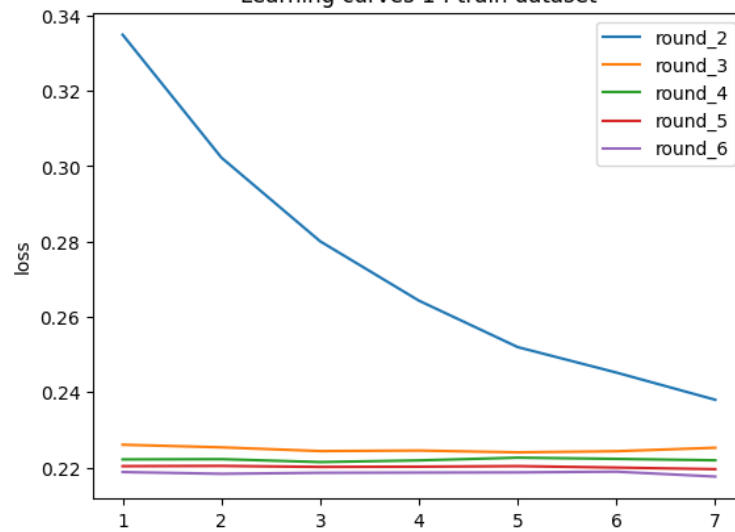
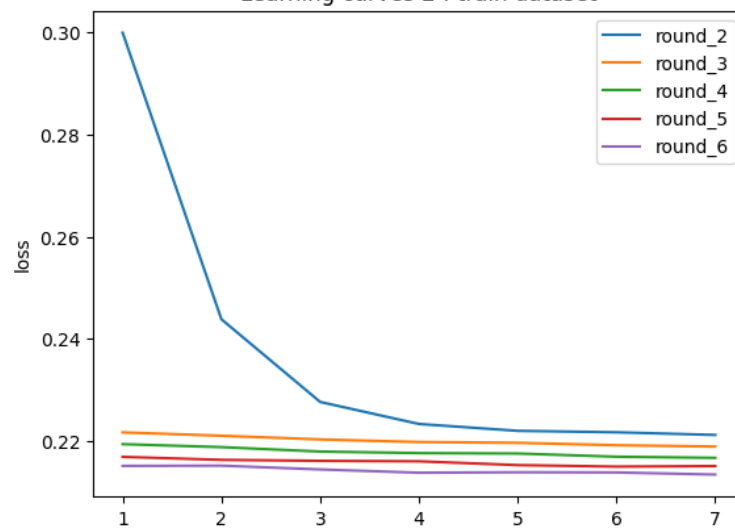Model Training: Learning curves; Train dataset

Learning curves global_model : train dataset
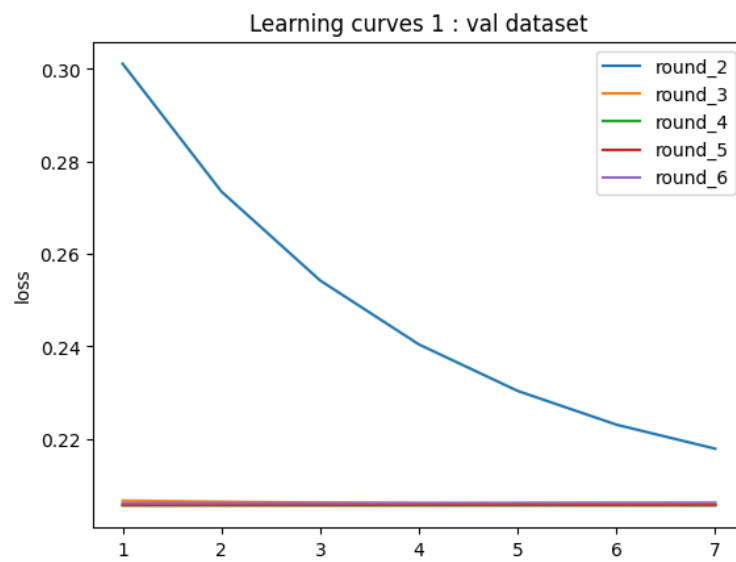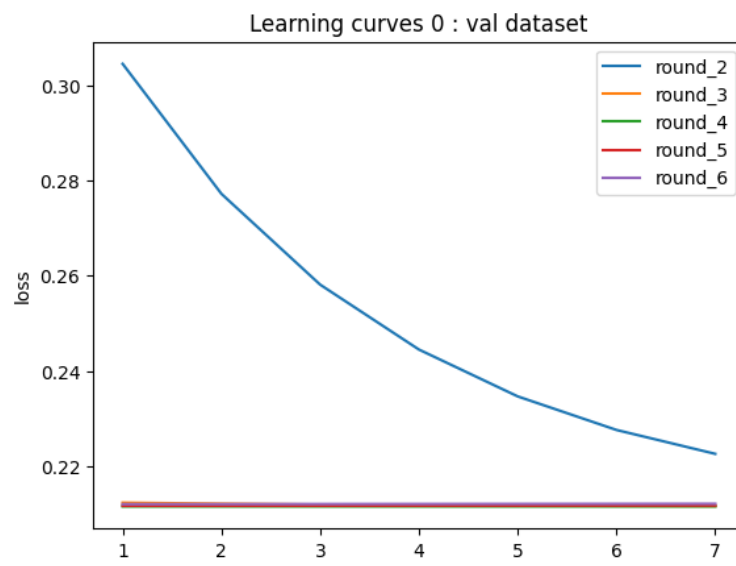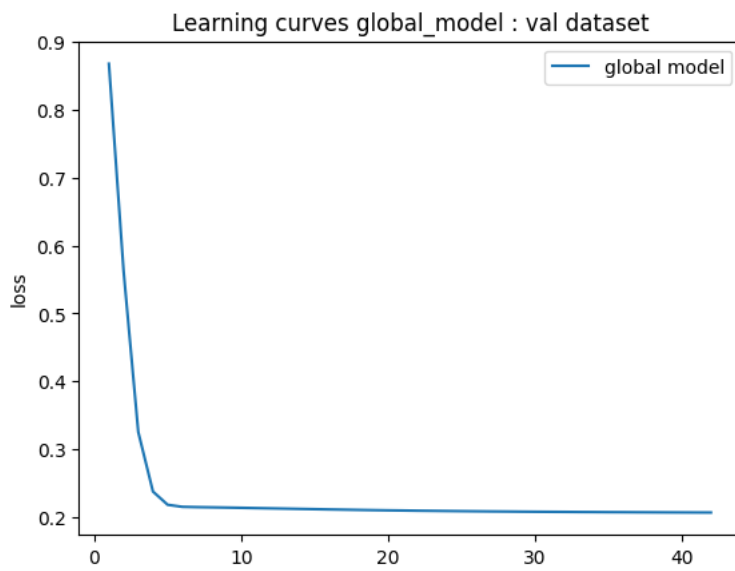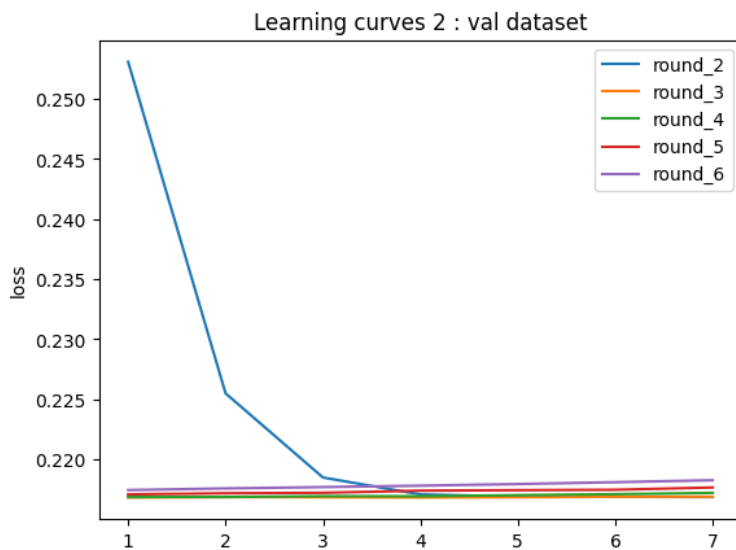
Learning curves 0 : train dataset

Learning curves 1 : train dataset

Learning curves 2 : train dataset

Model Training: Learning curves; Validation dataset

Learning curves global_model : val dataset

Learning curves 0 : val dataset

Learning curves 1 : val dataset

Learning curves 2 : val dataset

Test statistics for FL model

Mean Poisson Deviance : 0.31559940158230065

Mean Squared Error : 0.05641988187040274

R^2 : 0.003116940250096567

Test statistics for global model

Mean Poisson Deviance : 0.3102998481283671

Mean Squared Error : 0.056076333837585736

R^2 : 0.009187091458714103

Test statistics for agent_no 0

Mean Poisson Deviance : 0.325812740322288

Mean Squared Error : 0.05697351564387671

R^2 : -0.006665216531964058

Test statistics for agent_no 1

Mean Poisson Deviance : 0.325790727735562

Mean Squared Error : 0.056990758752740726

R^2 : -0.0069698850735153695

Test statistics for agent_no 2

Mean Poisson Deviance : 0.31296772894950864

Mean Squared Error : 0.05626969291151943

R^2 : 0.005770629409108996

Company 0: Lorenz curves by model

- (FL model Gini: 0.10)
- (Partial model Gini: -0.02)
- (Global model Gini: 0.17)
- Oracle (Gini: 0.94)
- Random baseline

Company 1: Lorenz curves by model

- (FL model Gini: 0.10)
- (Partial model Gini: -0.02)
- (Global model Gini: 0.17)
- Oracle (Gini: 0.94)
- Random baseline

Company 2: Lorenz curves by model

- (FL model Gini: 0.10)
- (Partial model Gini: 0.13)
- (Global model Gini: 0.17)
- Oracle (Gini: 0.94)
- Random baseline

One way graph: Company 1 ; Training config: 6 FL training rounds 7 epochs 3 training participants

One way graph: Company 2 ; Training config: 6 FL training rounds 7 epochs 3 training participants

One way graph: Company 3 ; Training config: 6 FL training rounds 7 epochs 3 training participants