**1. Default\_LSTM:** The Model detail

(model = {"use\_lstm": True,

"max\_seq\_len": 32,

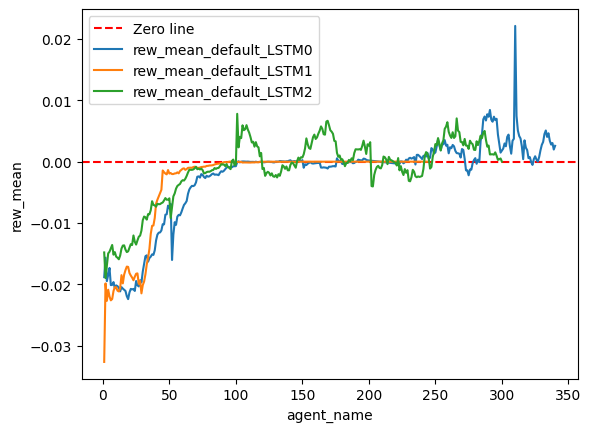
"lstm\_cell\_size": 256,

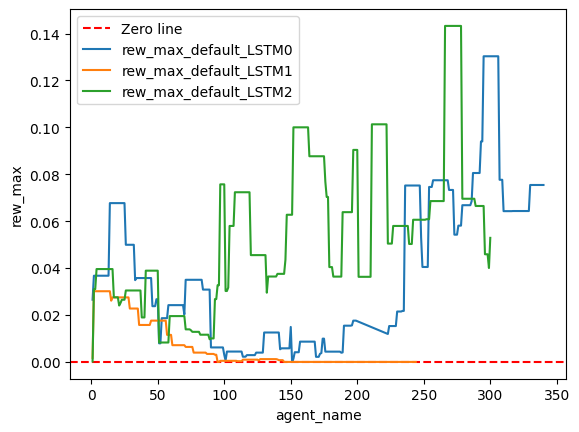
"fcnet\_hiddens": [256, 256],

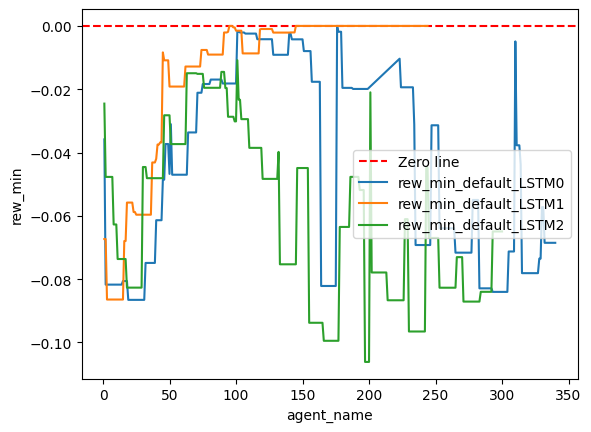
"fcnet\_activation": "relu"

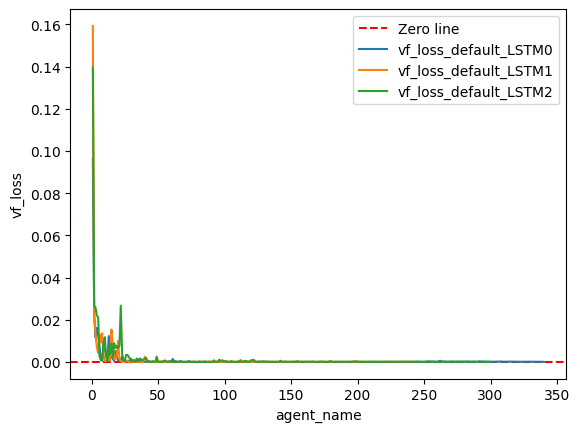
})

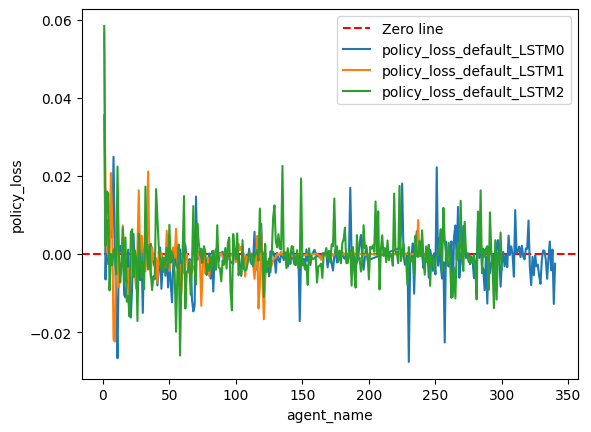
**Results:**











**2. Default\_LSTM\_v2:** A small modification is done over Default\_LSTM as follows

(model = {"use\_lstm": True,

"lstm\_use\_prev\_action": True,

"lstm\_use\_prev\_reward": True,

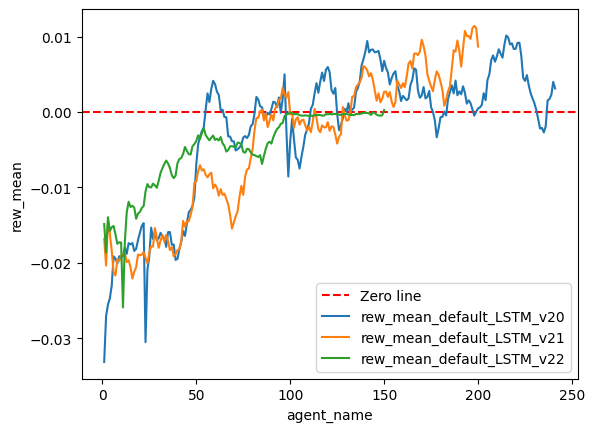
"max\_seq\_len": 32,

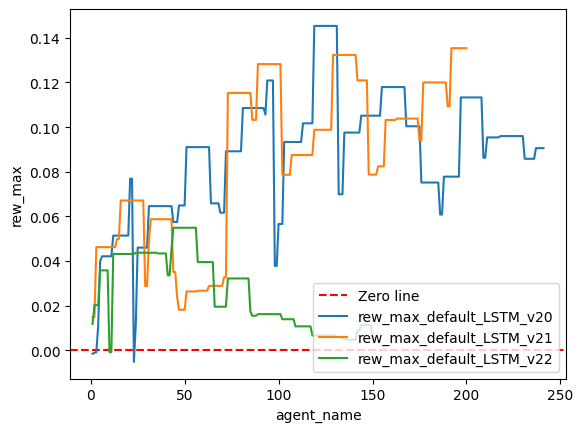
"lstm\_cell\_size": 256,

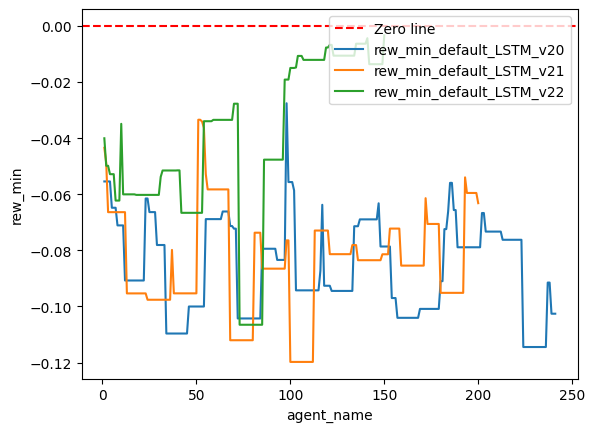
"fcnet\_hiddens": [256, 256],

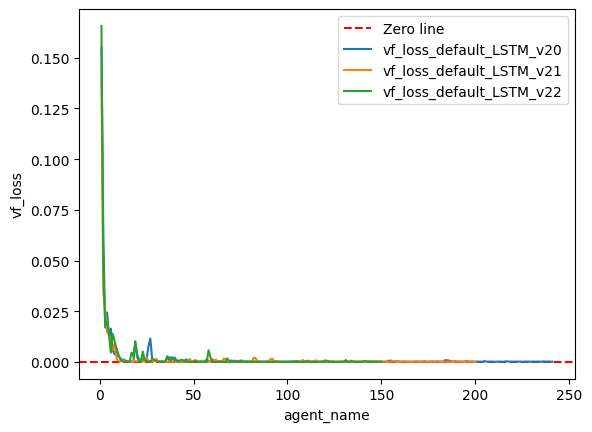
"fcnet\_activation": "relu"

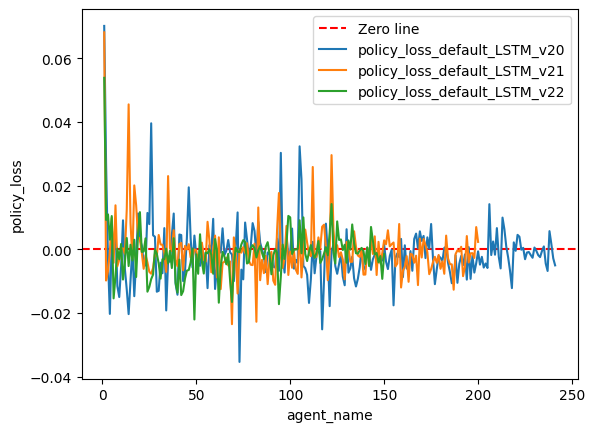
})











**3. Default\_LSTM\_v3:** A small modification is done over Default\_LSTM as follows

(model = {"use\_lstm": True,

"lstm\_use\_prev\_action": True,

"lstm\_use\_prev\_reward": True,

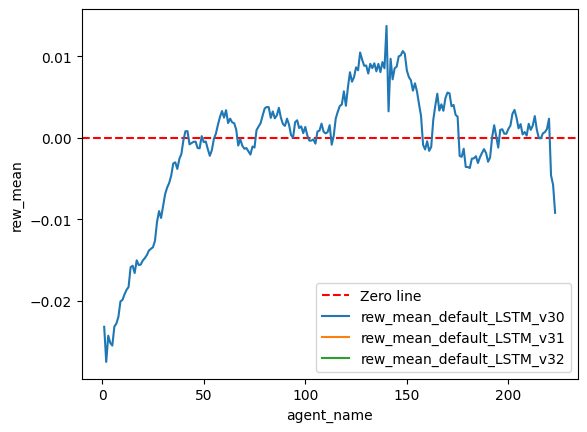
"max\_seq\_len": 128,

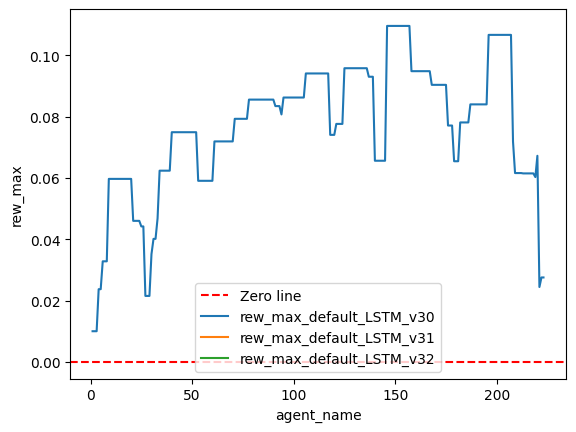
"lstm\_cell\_size": 256,

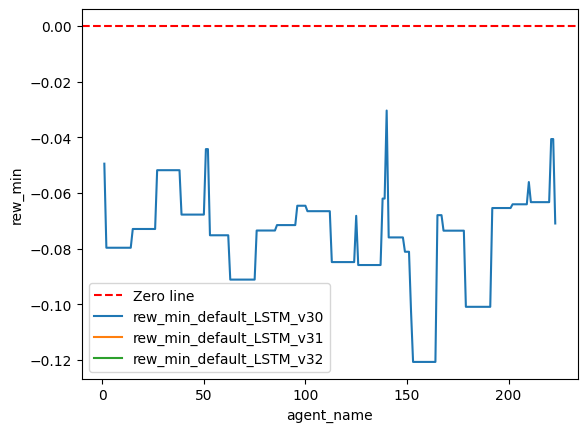
"fcnet\_hiddens": [256, 256],

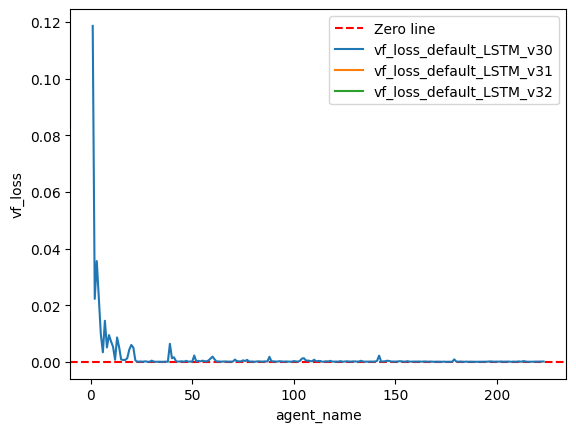
"fcnet\_activation": "relu"

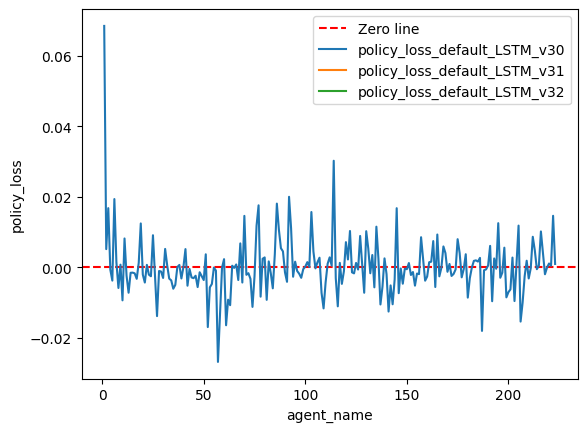
})











**4. Default\_LSTM\_v4:**

(model = "use\_lstm": True,

"lstm\_use\_prev\_action": True,

"lstm\_use\_prev\_reward": True,

"max\_seq\_len": 128,

"lstm\_cell\_size": 512,

"fcnet\_hiddens": [],

"fcnet\_activation": "relu"

})

The Agent is not getting trained at all. The training is getting hanged every time while other agents are getting trained fined.