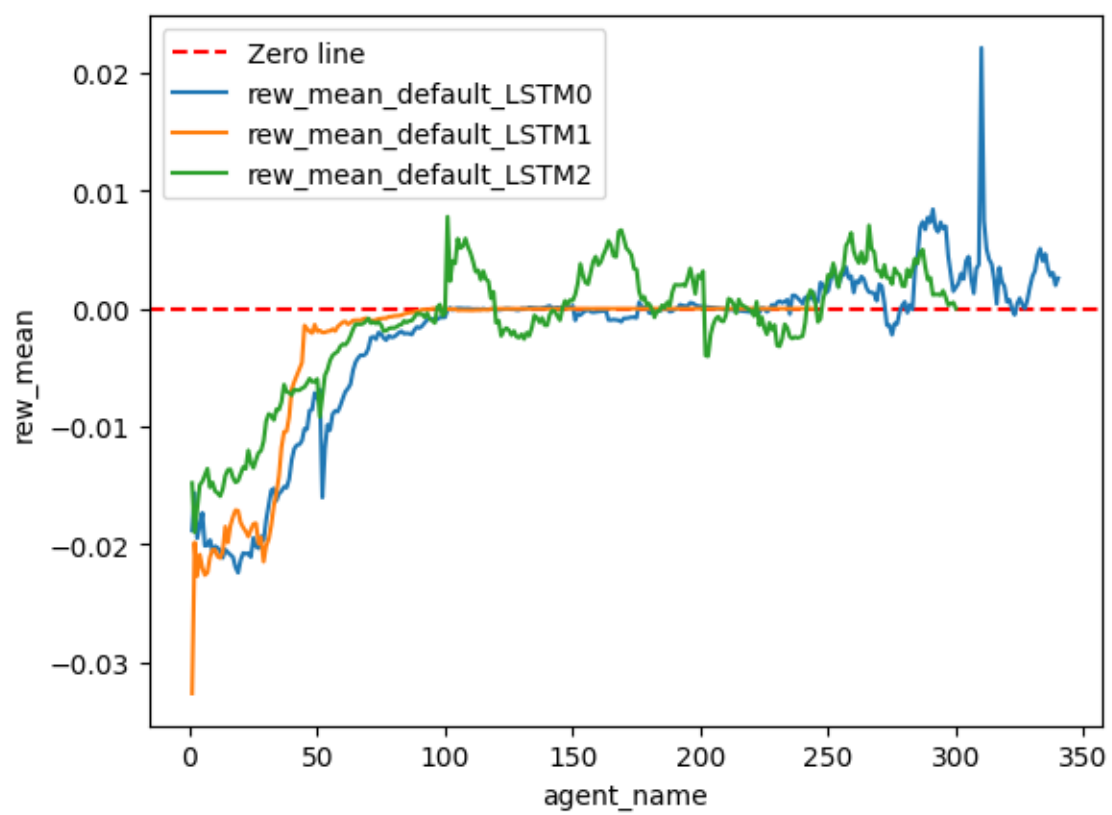
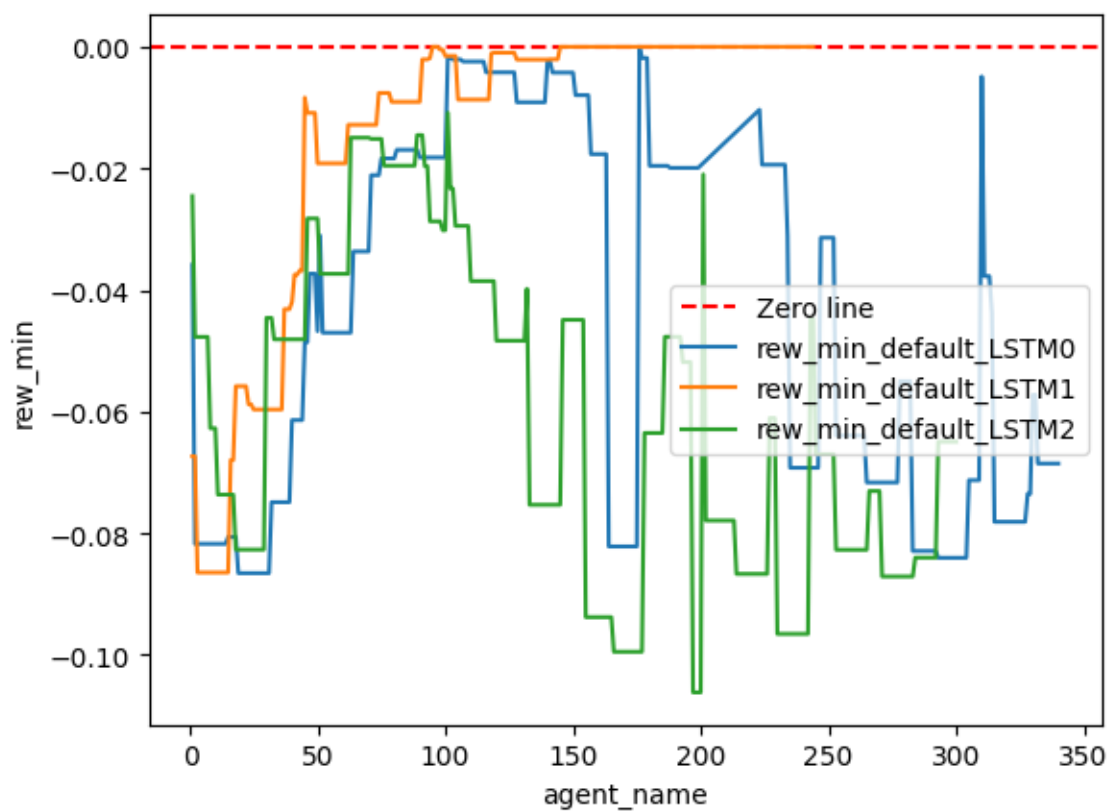
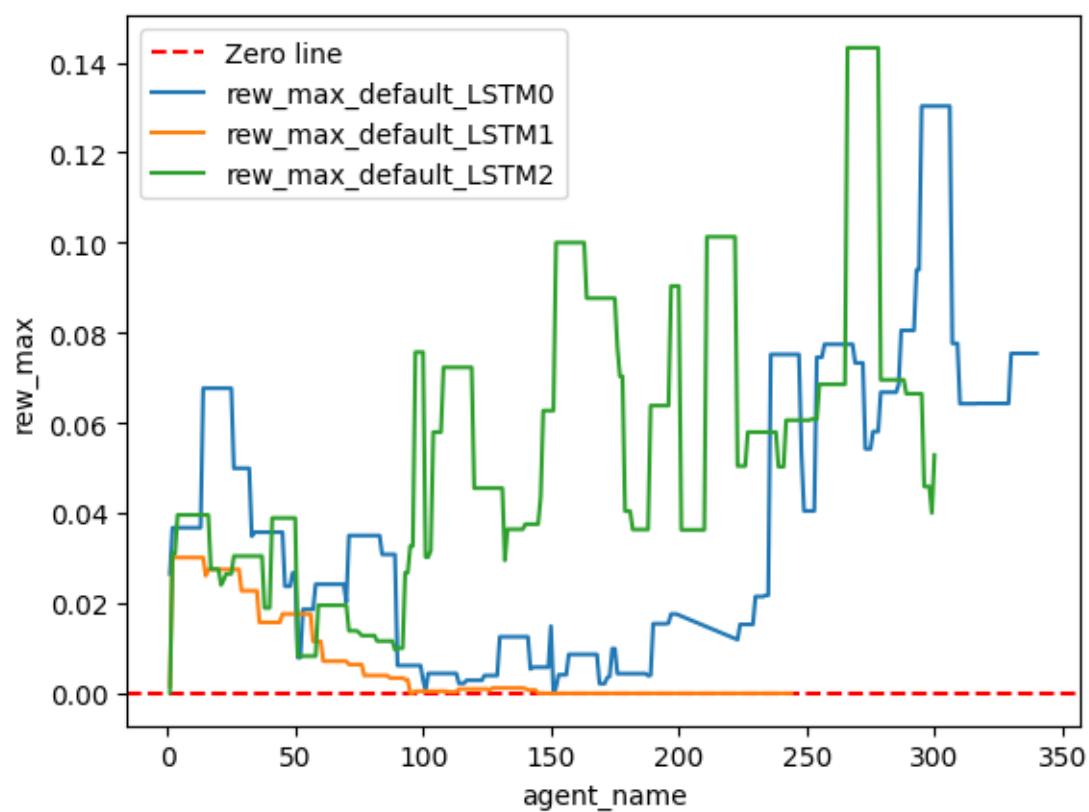


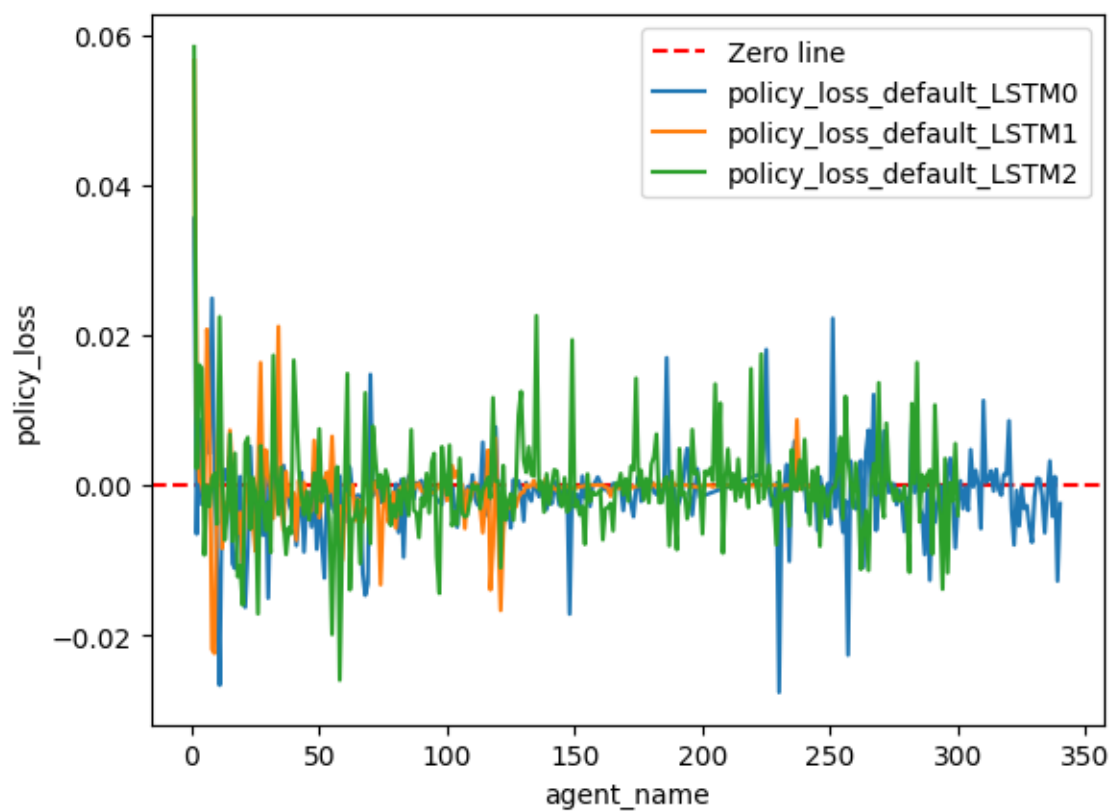
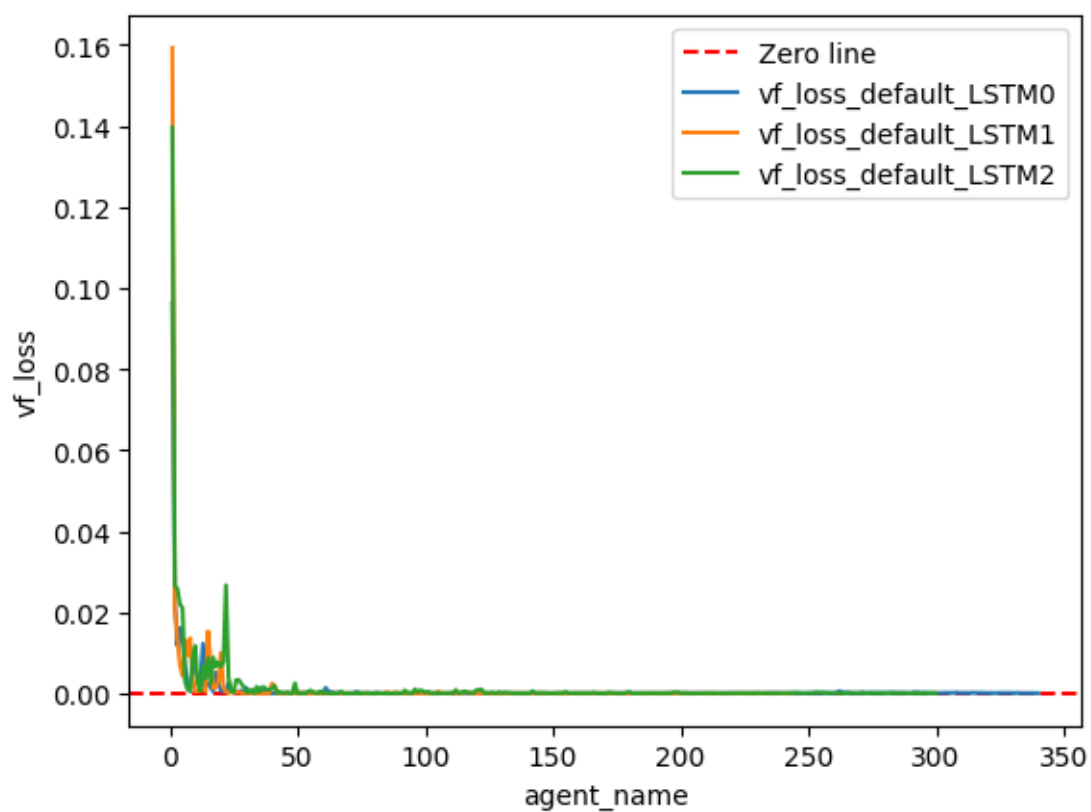
## 1. Default\_LSTM: The Model detail

```
(model = {"use_lstm": True,  
         "max_seq_len": 32,  
         "lstm_cell_size": 256,  
         "fcnet_hiddens": [256, 256],  
         "fcnet_activation": "relu"  
}))
```

### Results:

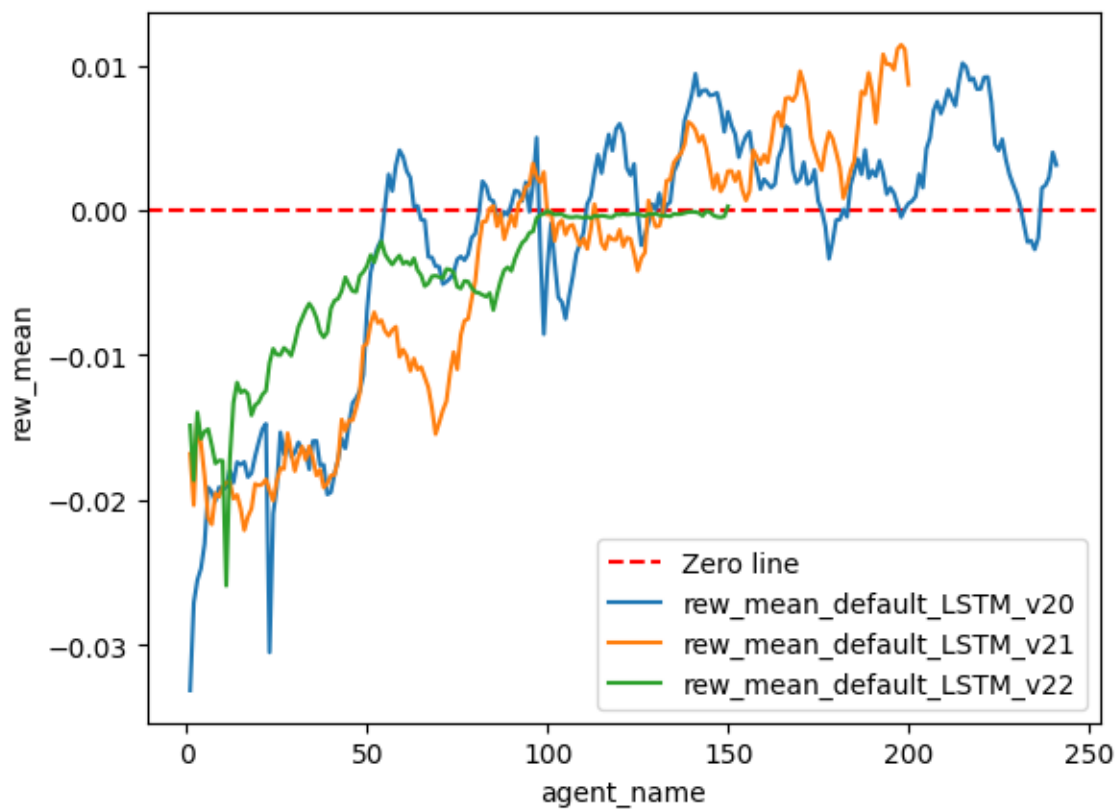


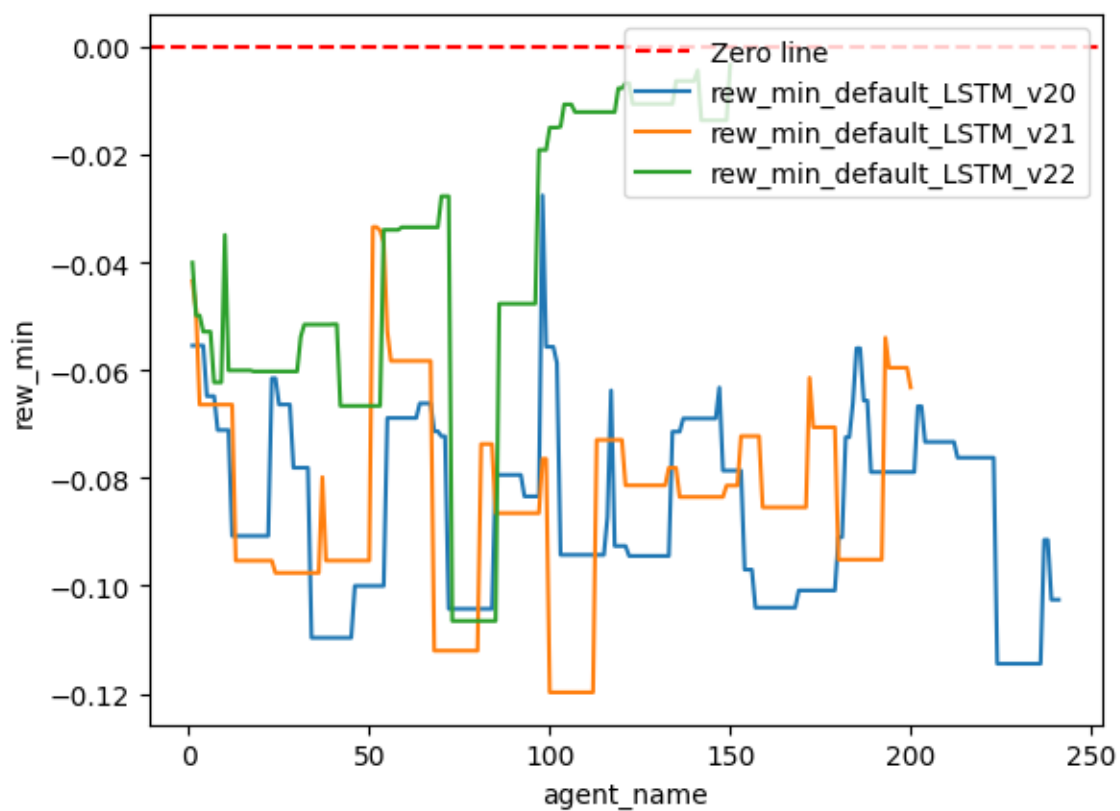
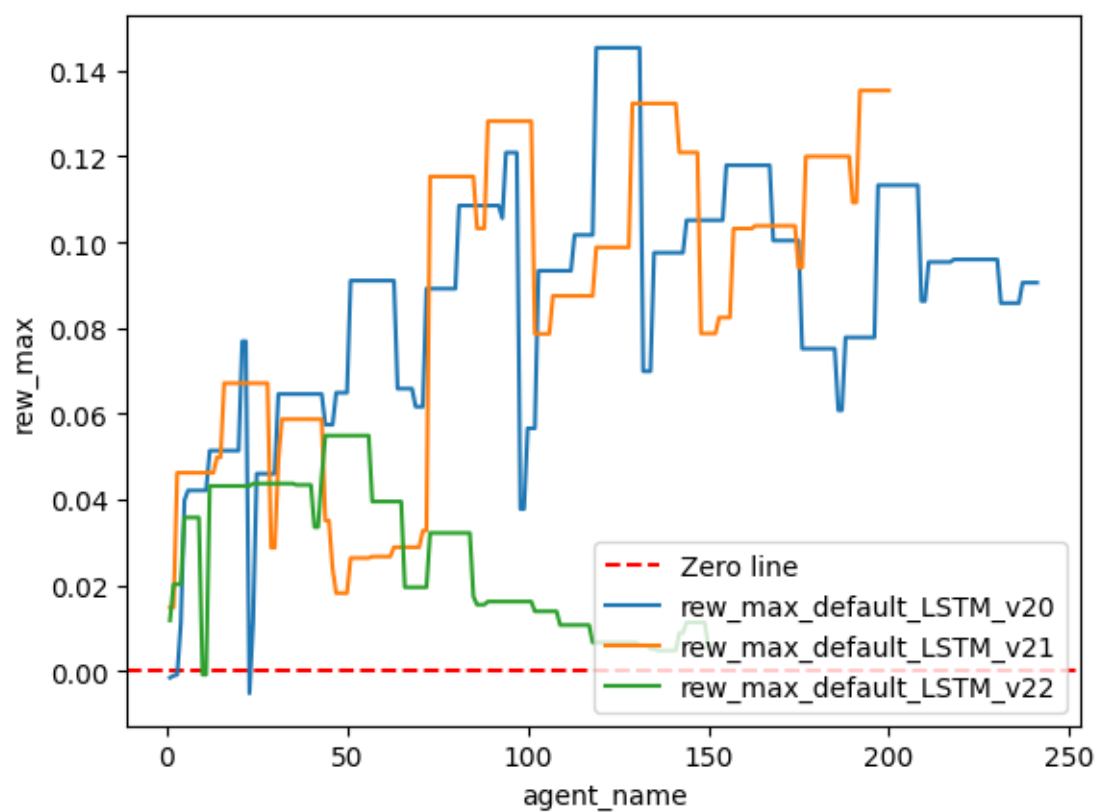


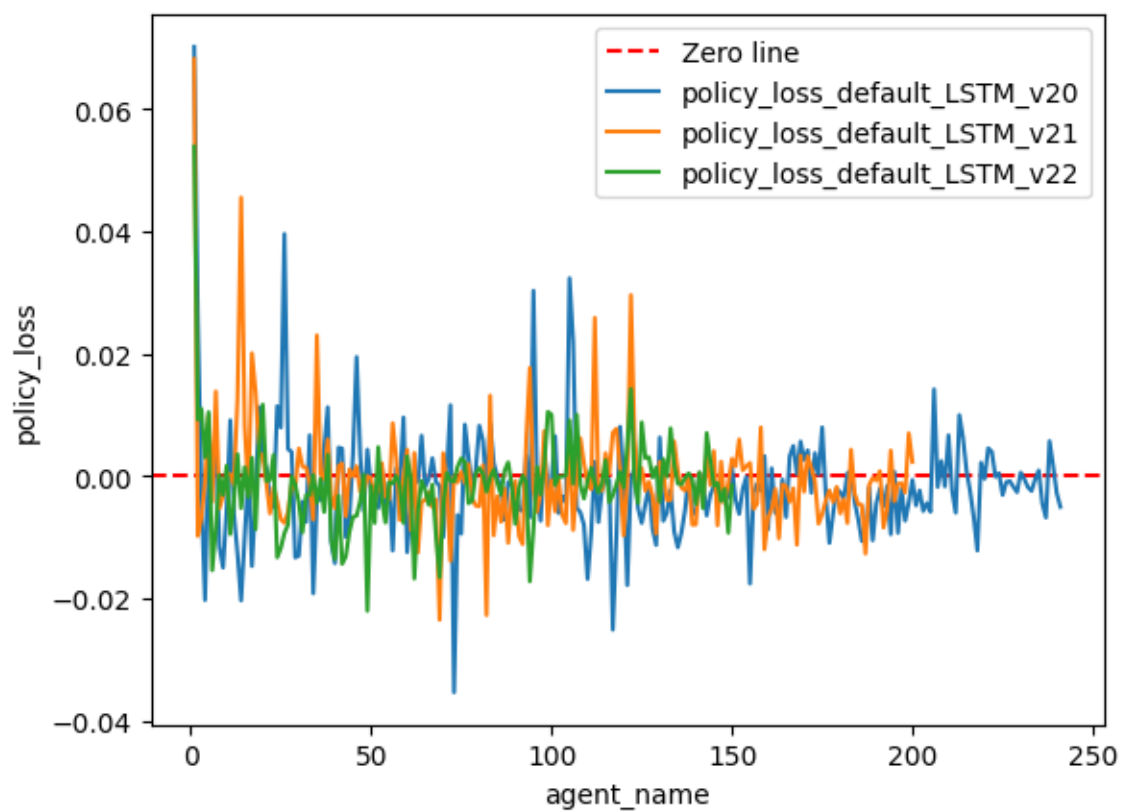
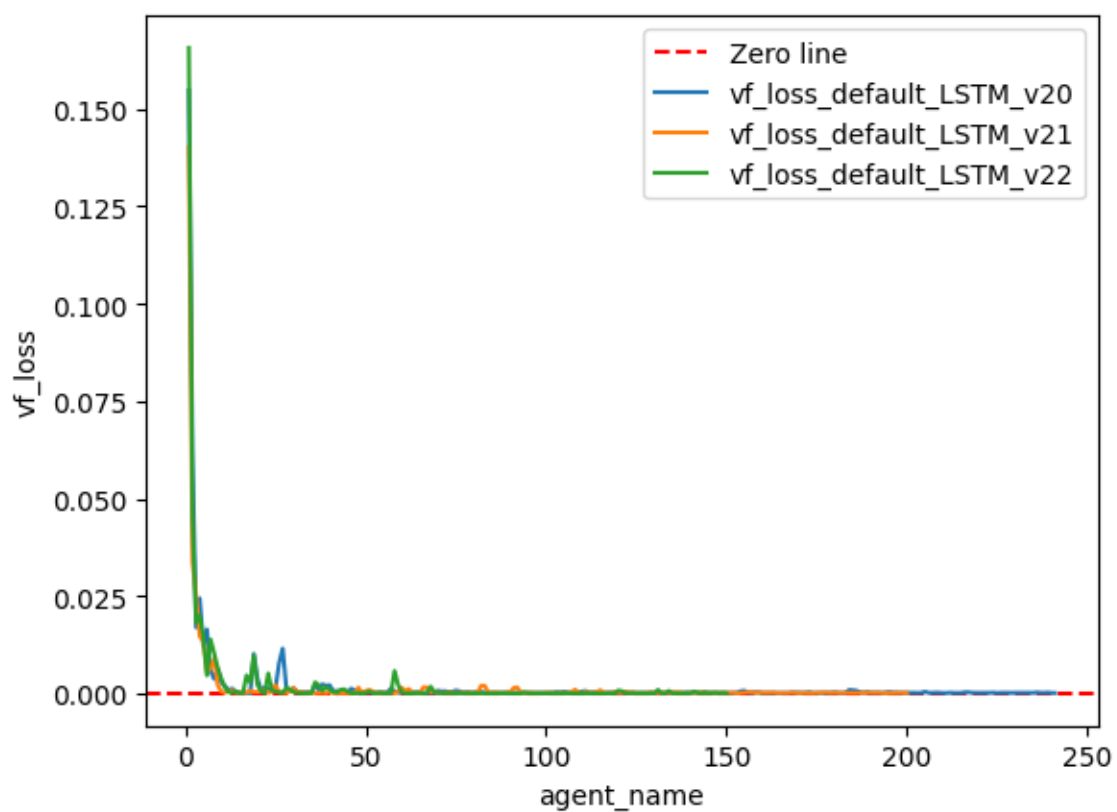


**2. Default\_LSTM\_v2:** A small modification is done over Default\_LSTM as follows

```
(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"  
}))
```



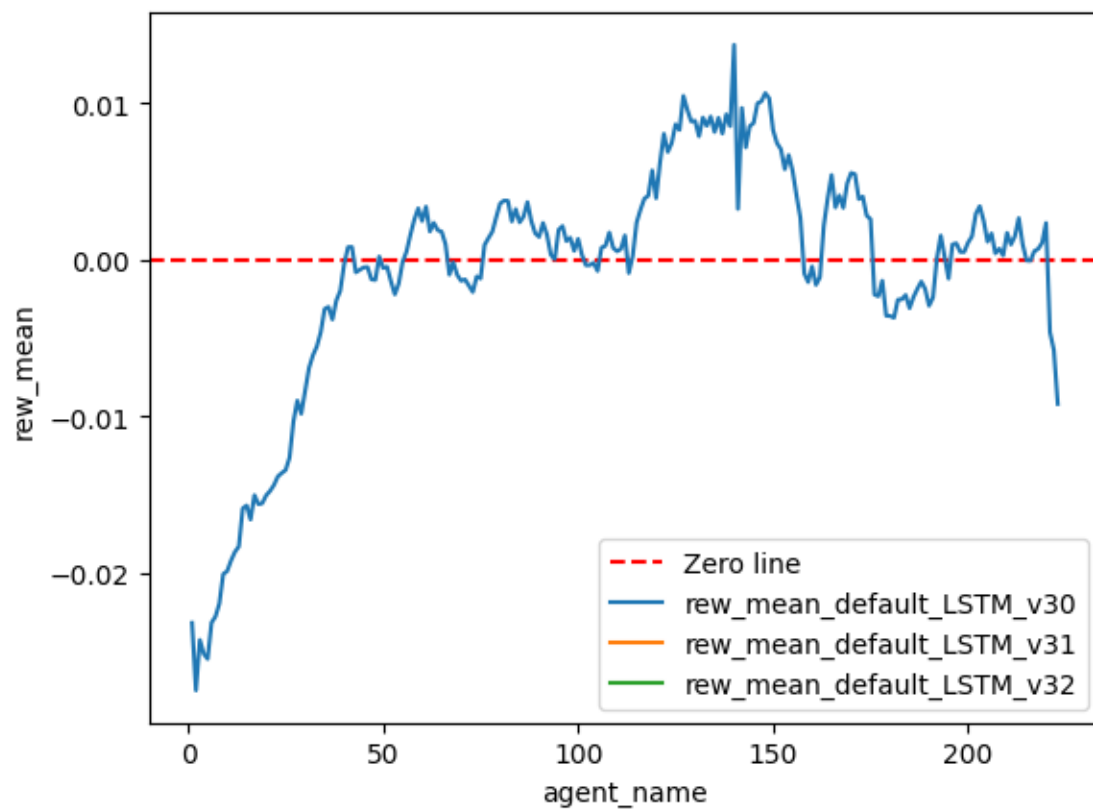


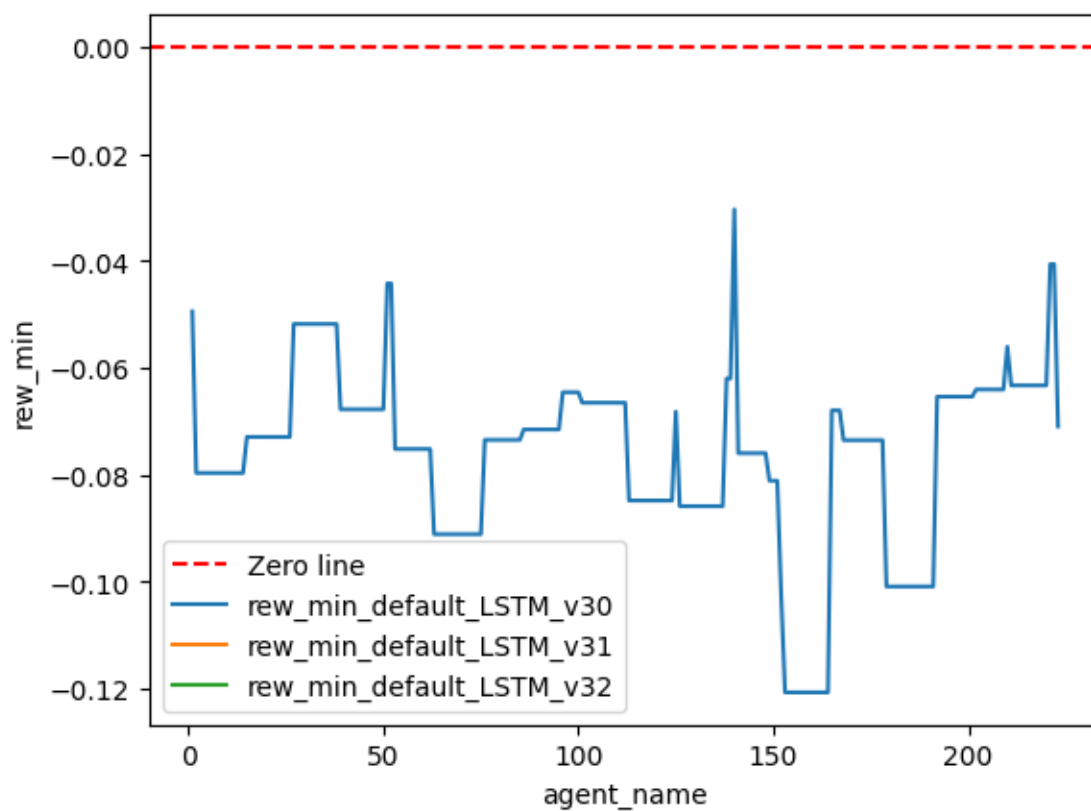
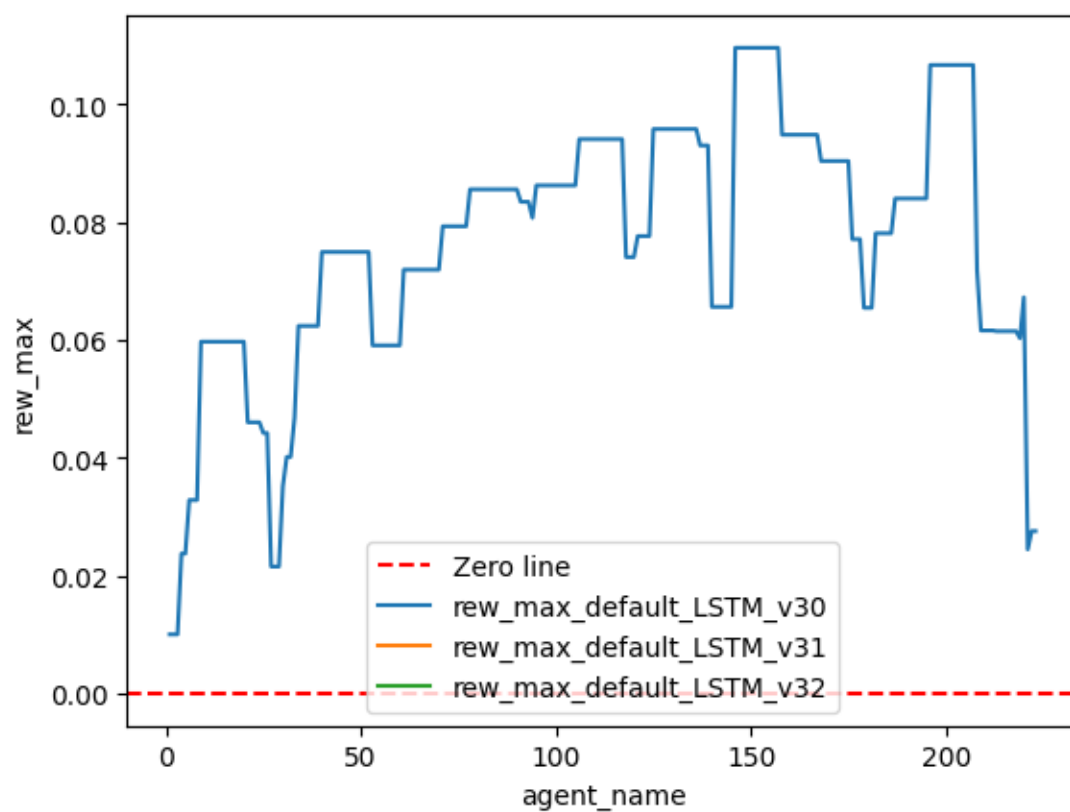


### 3. Default\_LSTM\_v3:

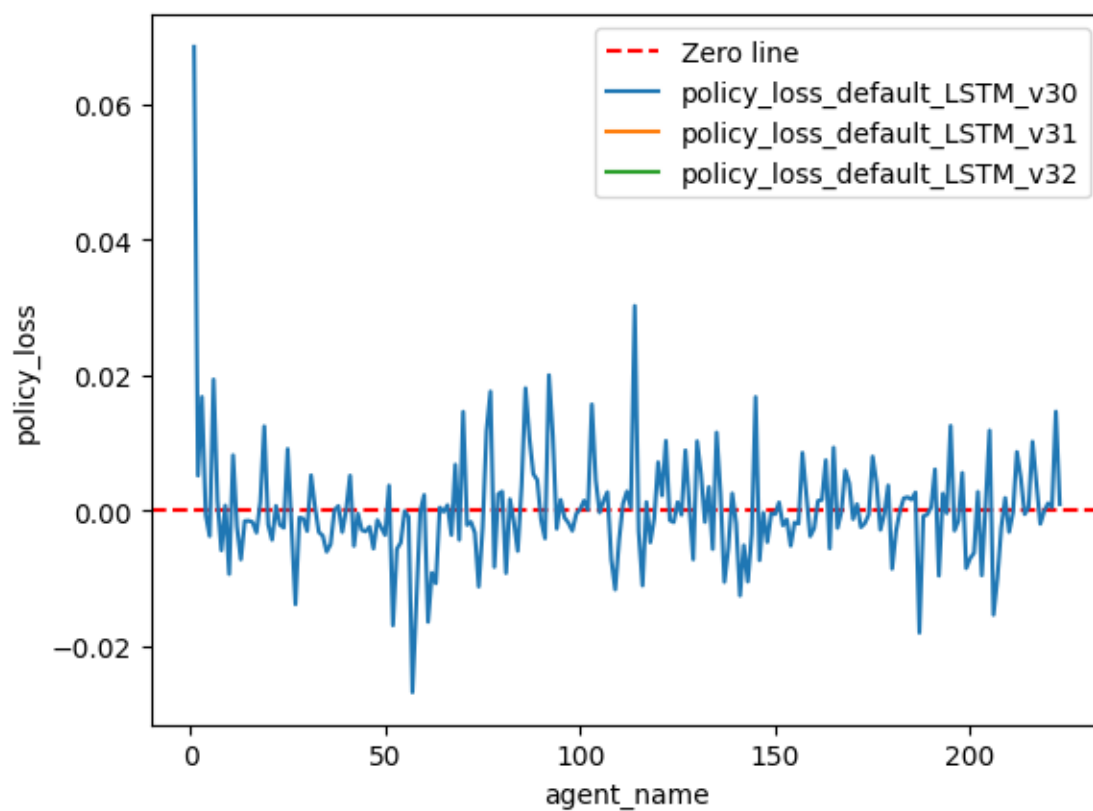
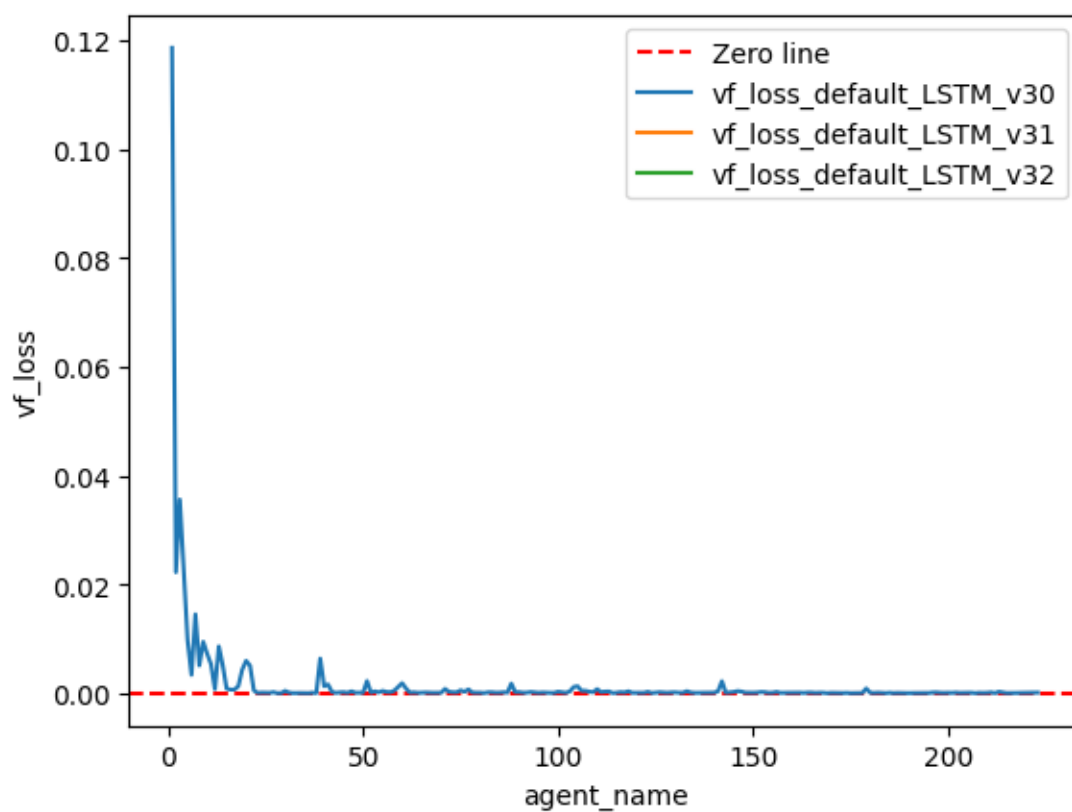
A small modification is done over Default\_LSTM as follows

```
(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.