if(HORIZON == 1):

## Plotting single step forecast

eval\_df.plot(x='timestamp', y=['actual', 'prediction'], style=['r', 'b'], figsize=(15, 8))

else:

## Plotting multi step forecast

plot\_df = eval\_df[(eval\_df.h=='t+1')][['timestamp', 'actual']]

for t in range(1, HORIZON+1):

plot\_df['t+'+str(t)] = eval\_df[(eval\_df.h=='t+'+str(t))]['prediction'].values

fig = plt.figure(figsize=(15, 8))

ax = plt.plot(plot\_df['timestamp'], plot\_df['actual'], color='red', linewidth=4.0)

ax = fig.add\_subplot(111)

for t in range(1, HORIZON+1):

x = plot\_df['timestamp'][(t-1):]

y = plot\_df['t+'+str(t)][0:len(x)]

ax.plot(x, y, color='blue', linewidth=4\*math.pow(.9,t), alpha=math.pow(0.8,t))

ax.legend(loc='best')

plt.xlabel('timestamp', fontsize=12)

plt.ylabel('load', fontsize=12)

plt.show()