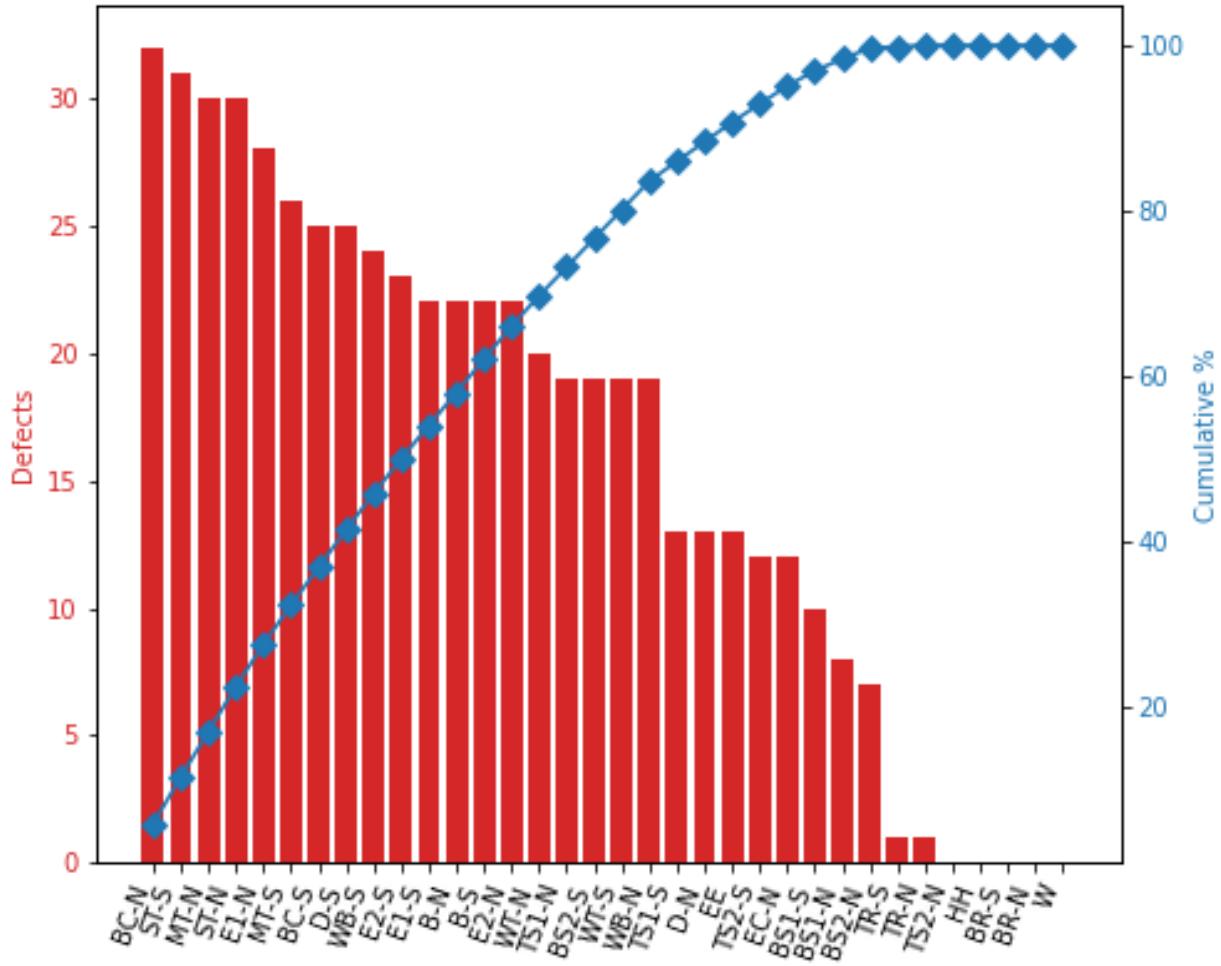


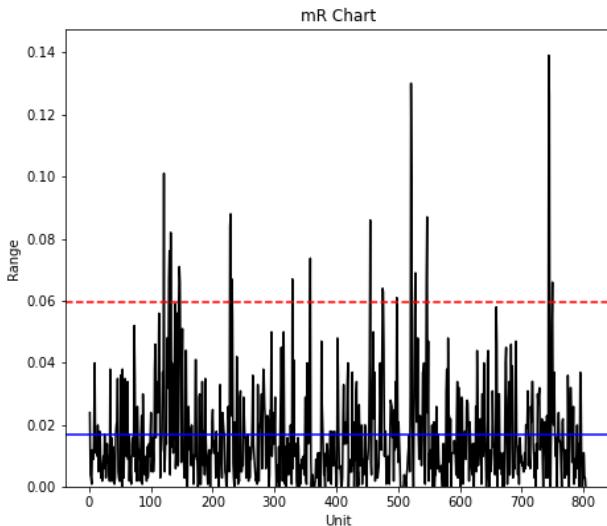
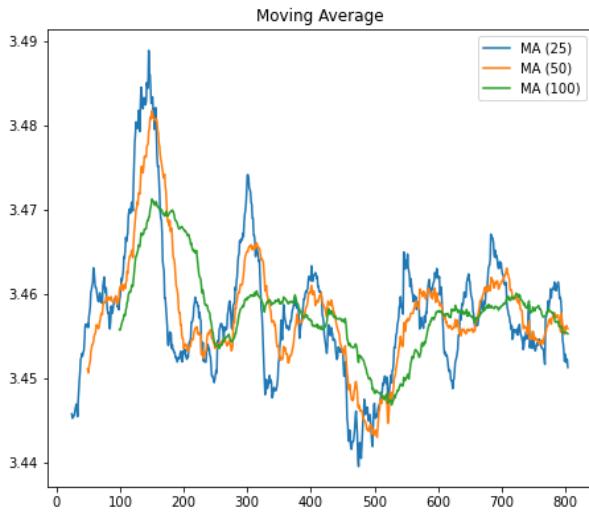
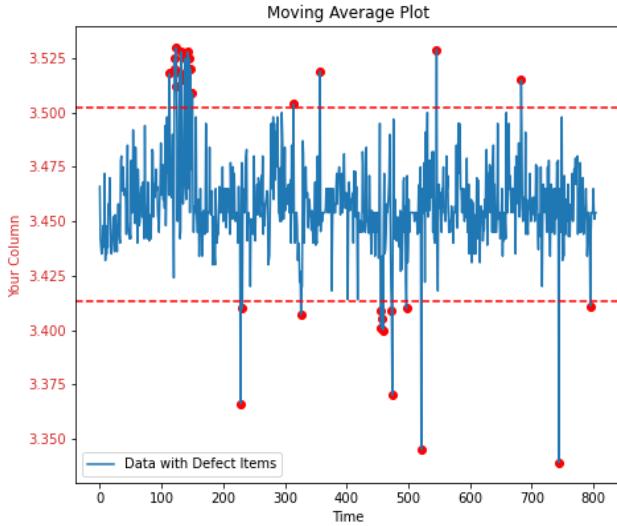
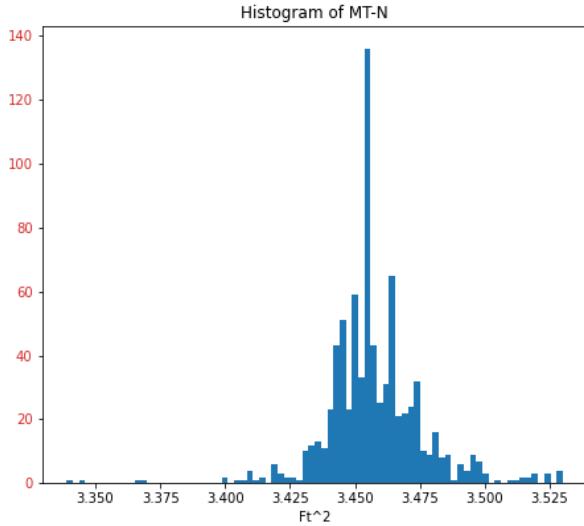
Analyze Report



Based on the above pareto chart, it is shown that the size with the highest error rate is BC-N with 32 defective products. However, this requires determining what defect rate level is acceptable for samples. This will depend on various factors such as the type of tight dimension, engineering require, and the industry standards.

Analyze Report

Inspection Chart for MT-N dimension:



The mean is: 3.457

The upper control limit is: 3.502

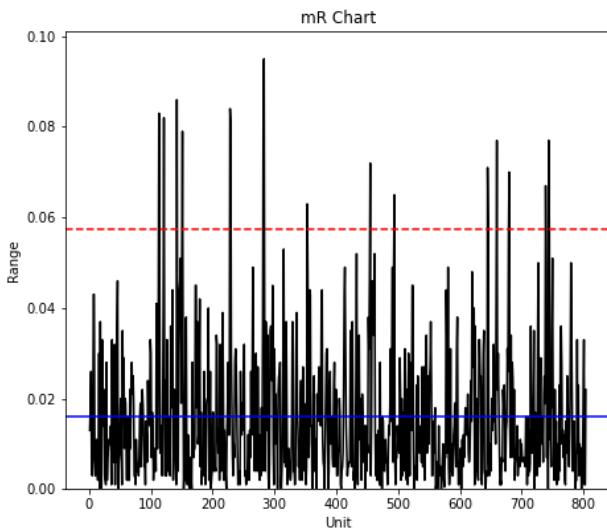
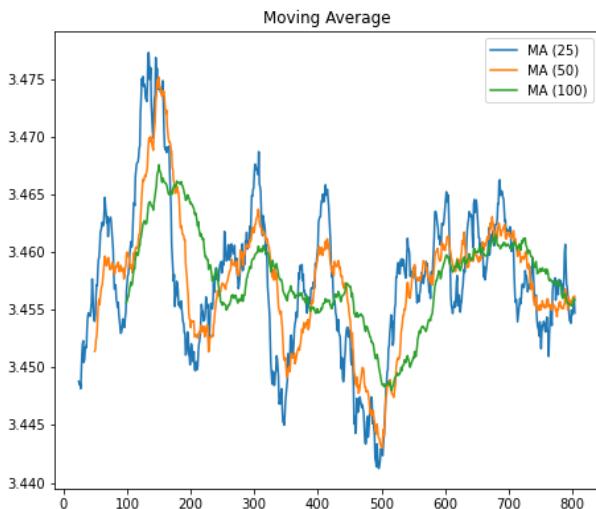
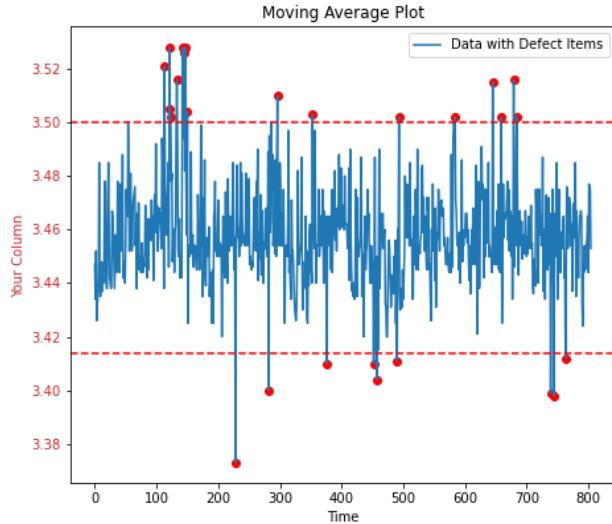
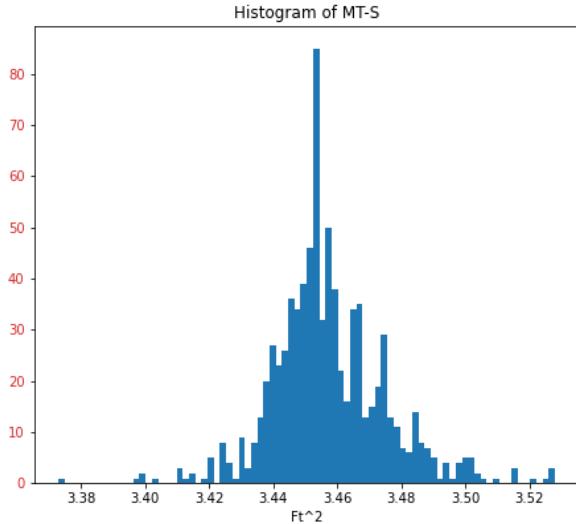
The lower control limit is: 3.413

Total 30 items out of control limit in 800 inspected items

The defect rate is $30/800 = 3.75\%$.

Analyze Report

Inspection Chart for MT-S dimension:



The mean is: 3.457

The upper control limit is: 3.5

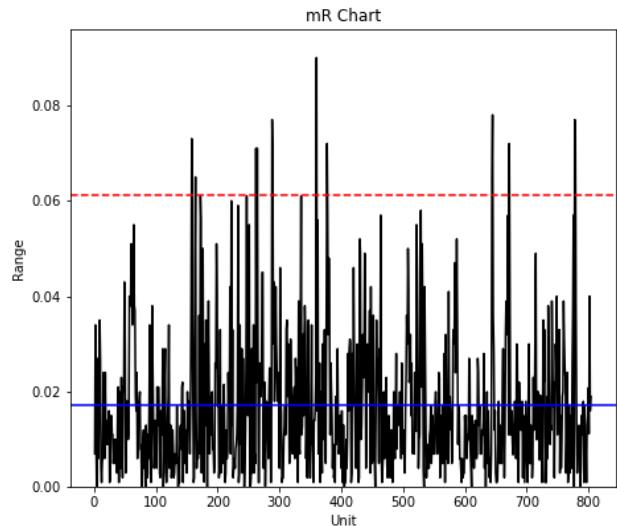
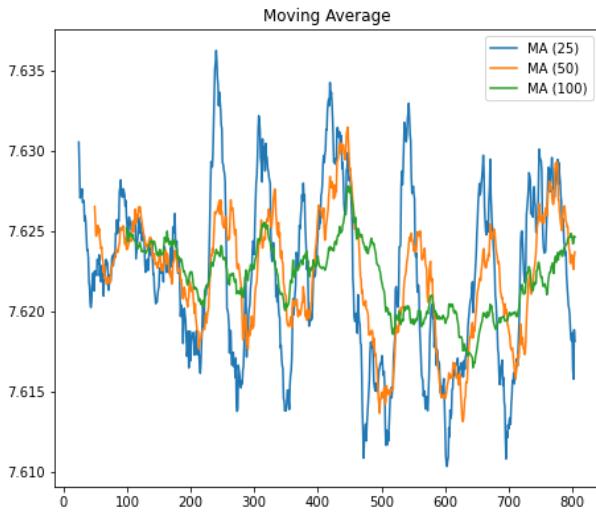
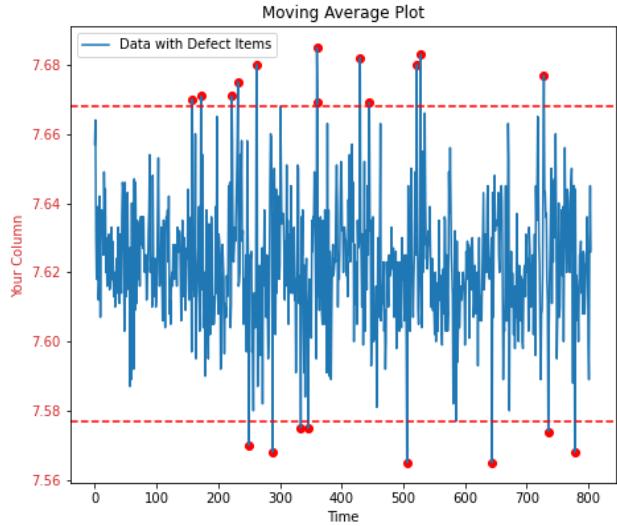
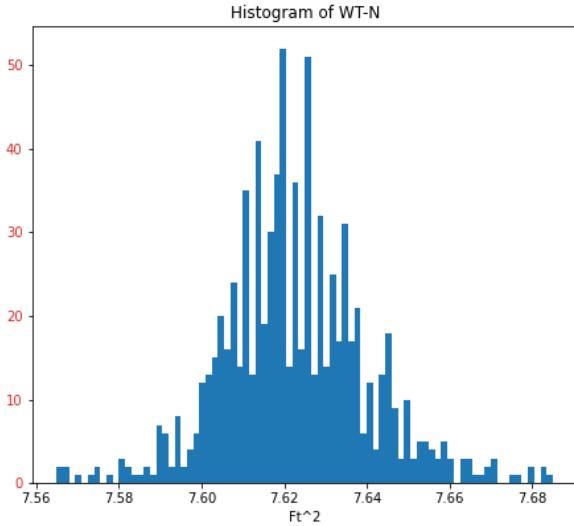
The lower control limit is: 3.414

Total 26 items out of control limit in 800 inspected items

The defect rate is $26/800 = 3.25\%$.

Analyze Report

Inspection Chart for WT-N dimension:



The mean is: 7.622

The upper control limit is: 7.668

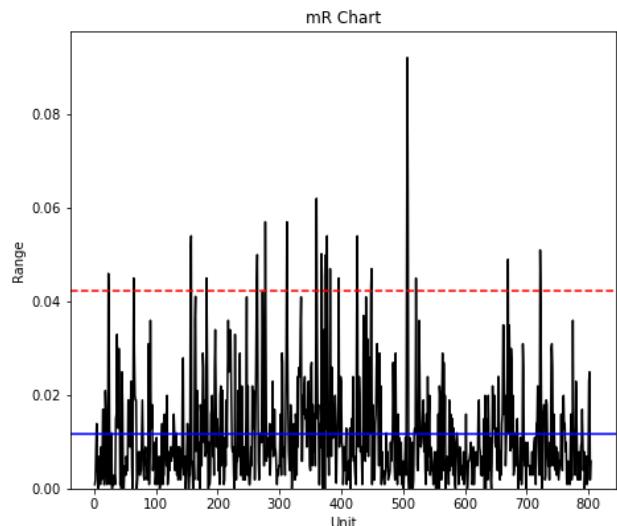
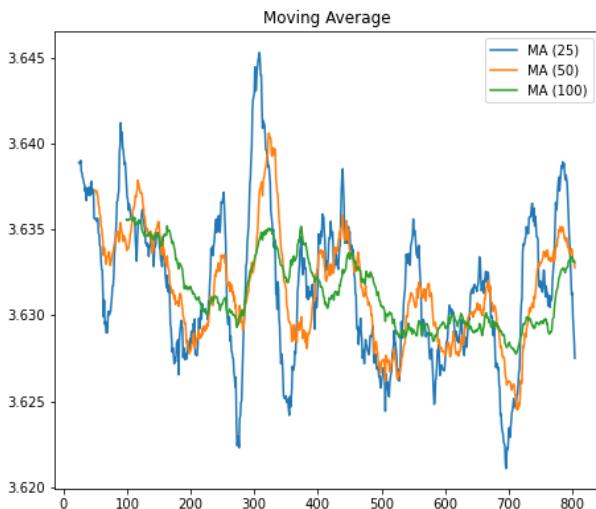
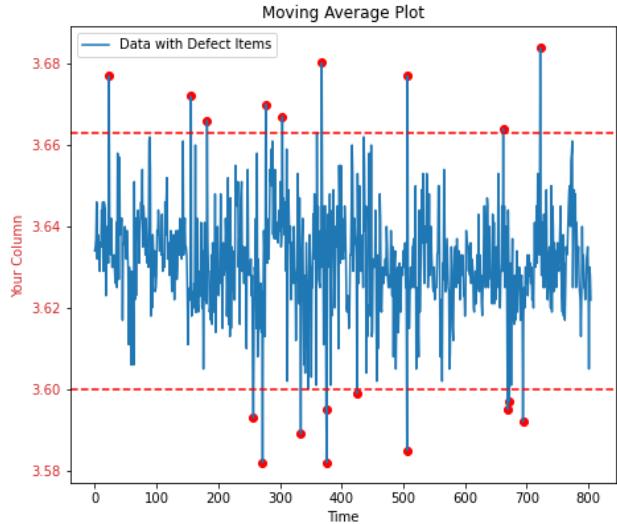
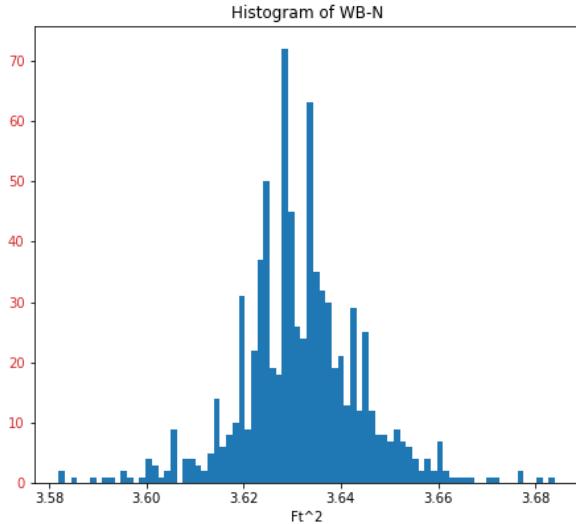
The lower control limit is: 7.577

Total 20 items out of control limit in 800 inspected items

The defect rate is $20/800 = 2.5\%$.

Analyze Report

Inspection Chart for WB-N dimension:



The mean is: 3.632

The upper control limit is: 3.663

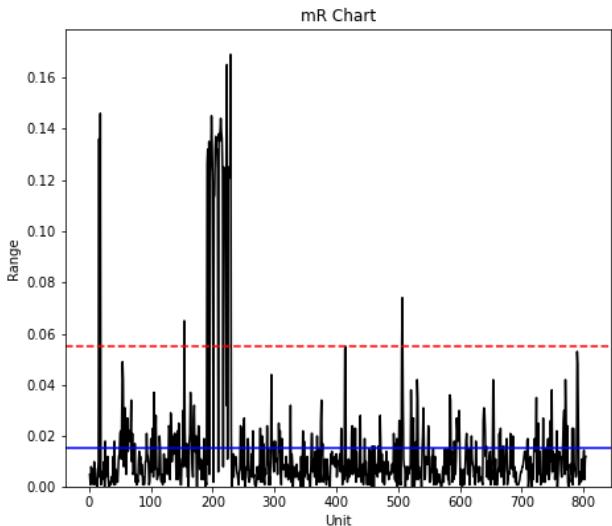
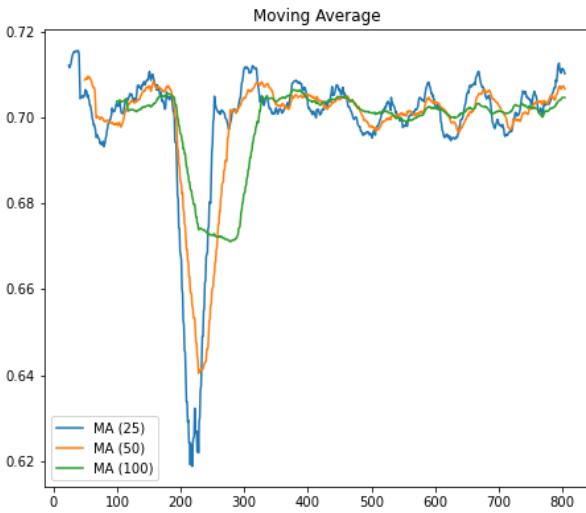
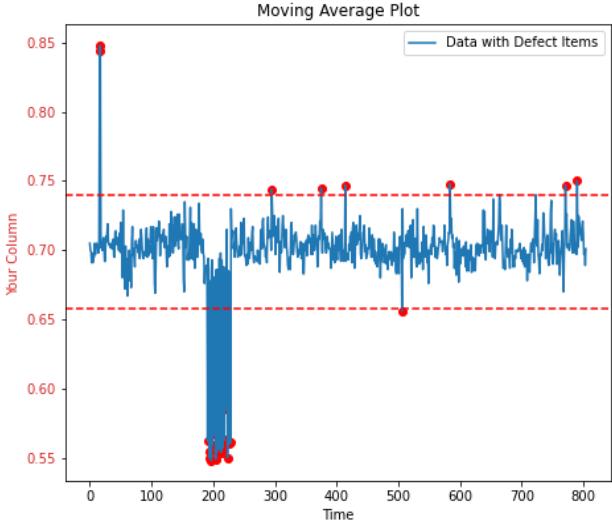
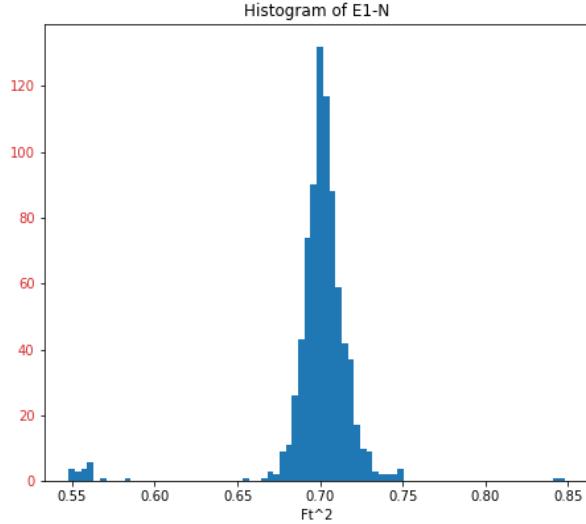
The lower control limit is: 3.6

Total 19 items out of control limit in 800 inspected items

The defect rate is $19/800 = 2.375\%$.

Analyze Report

Inspection Chart for E1-N dimension:



The mean is: 0.699

The upper control limit is: 0.74

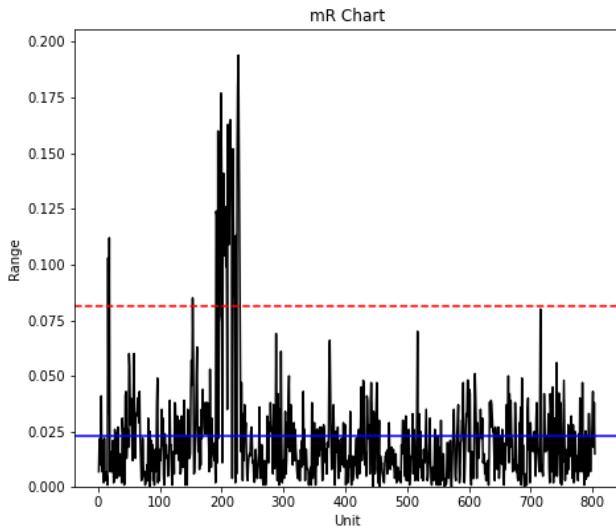
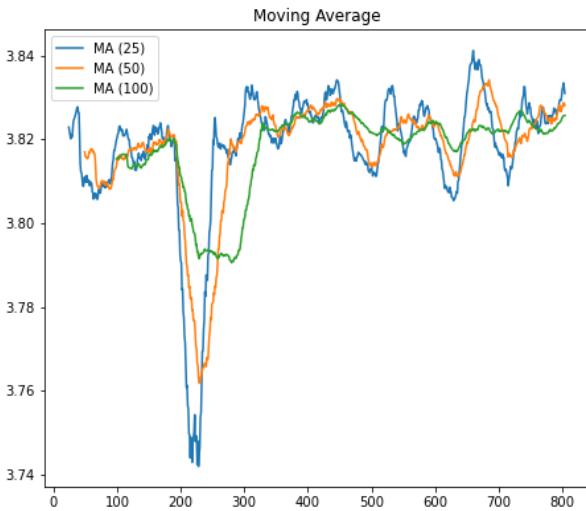
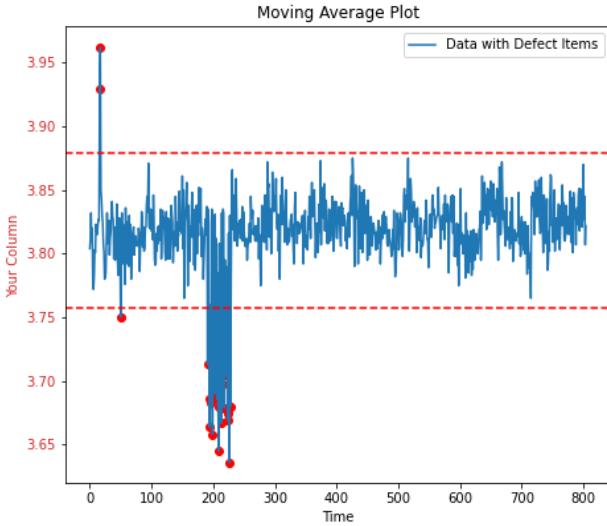
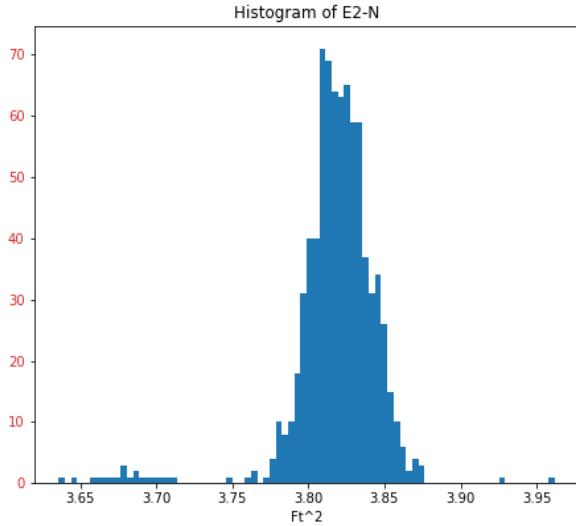
The lower control limit is: 0.658

Total 28 items out of control limit in 800 inspected items

The defect rate is $28/800 = 3.5\%$.

Analyze Report

Inspection Chart for E2-N dimension:



The mean is: 3.818

The upper control limit is: 3.879

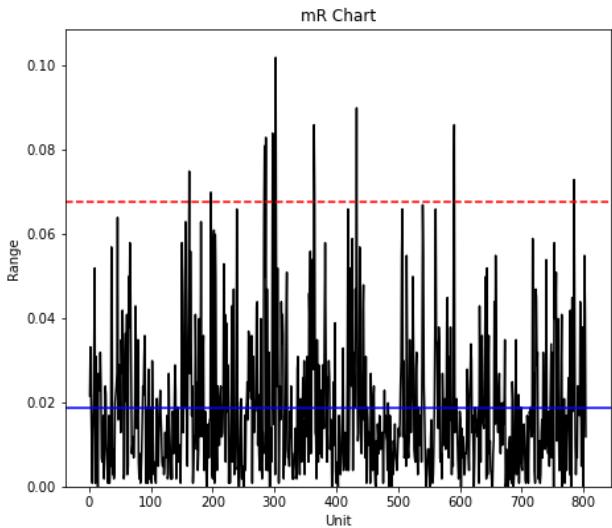
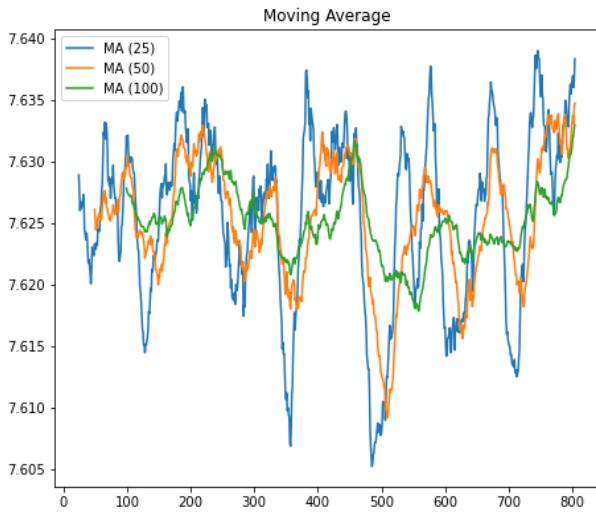
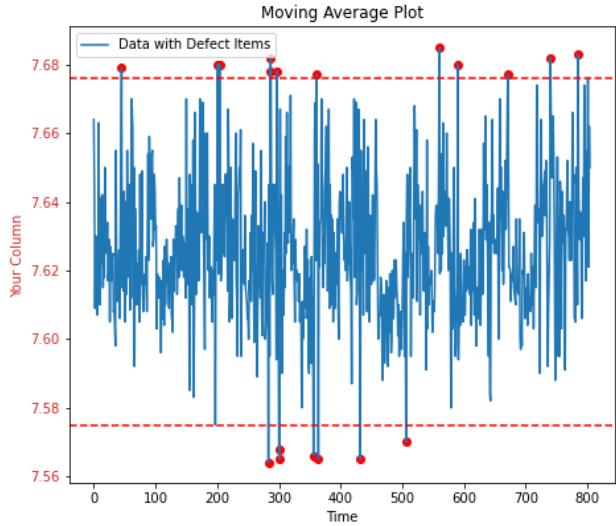
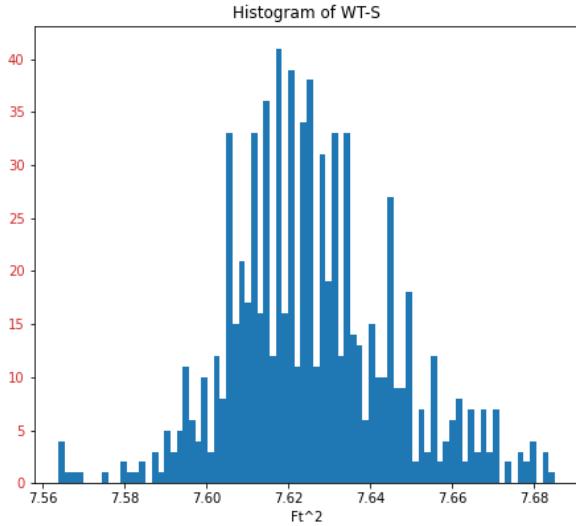
The lower control limit is: 3.757

Total 22 items out of control limit in 800 inspected items

The defect rate is 22/800 = 2.75%.

Analyze Report

Inspection Chart for WT-S dimension:



The mean is: 7.626

The upper control limit is: 7.676

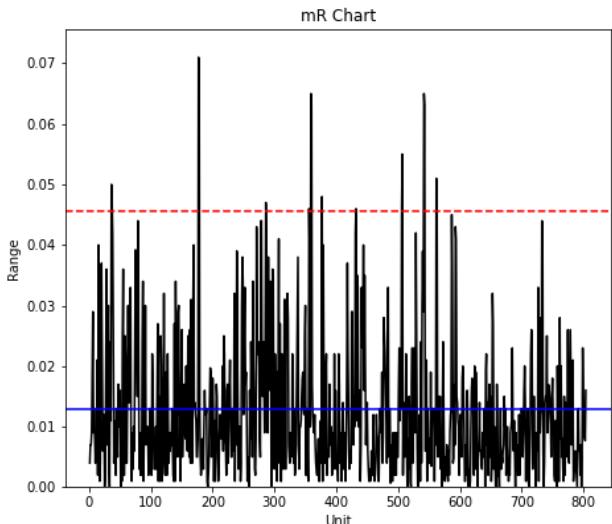
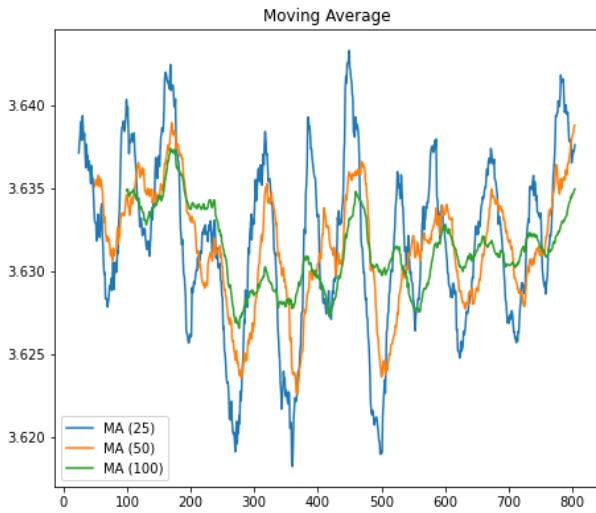
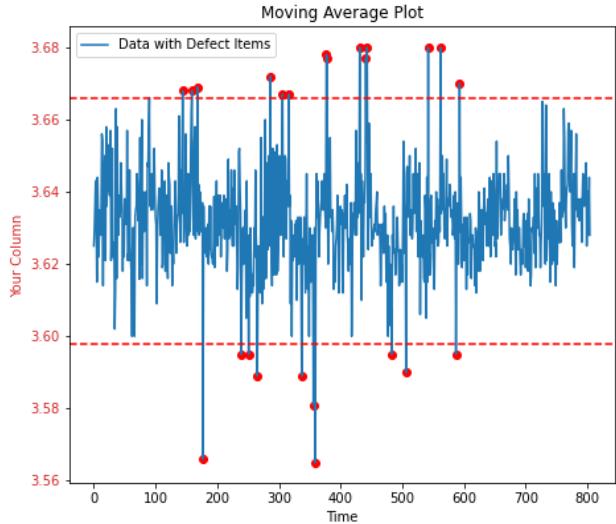
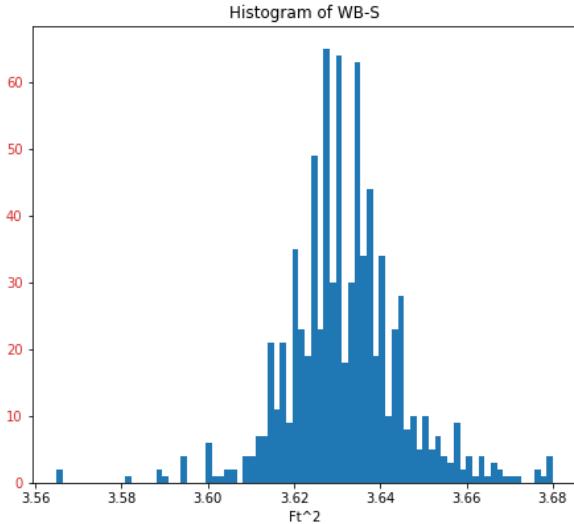
The lower control limit is: 7.575

Total 19 items out of control limit in 800 inspected items

The defect rate is $19/800 = 2.375\%$.

Analyze Report

Inspection Chart for WB-S dimension:



The mean is: 3.632

The upper control limit is: 3.666

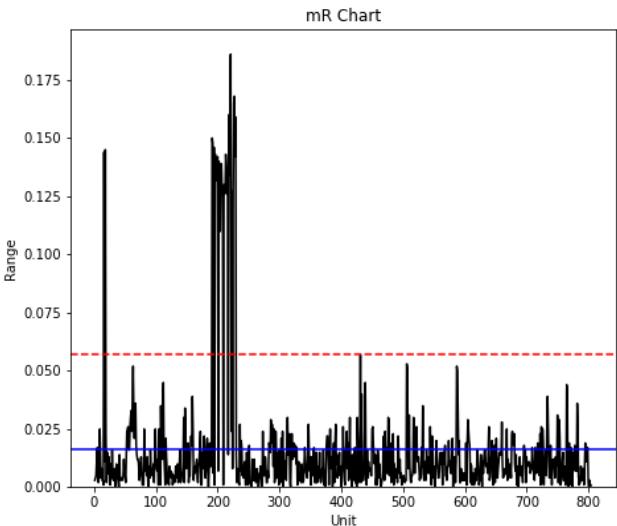
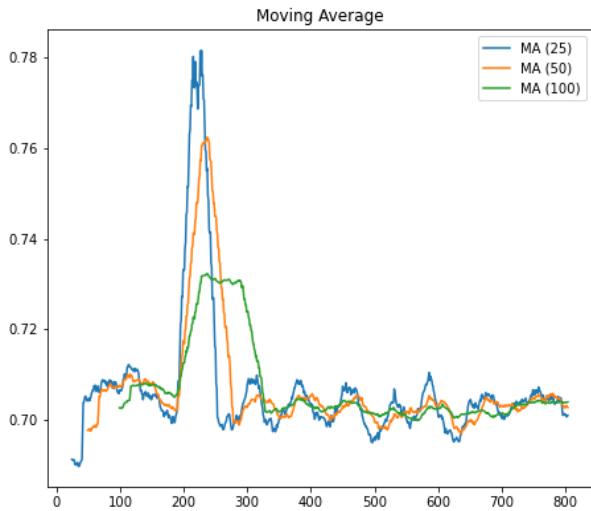
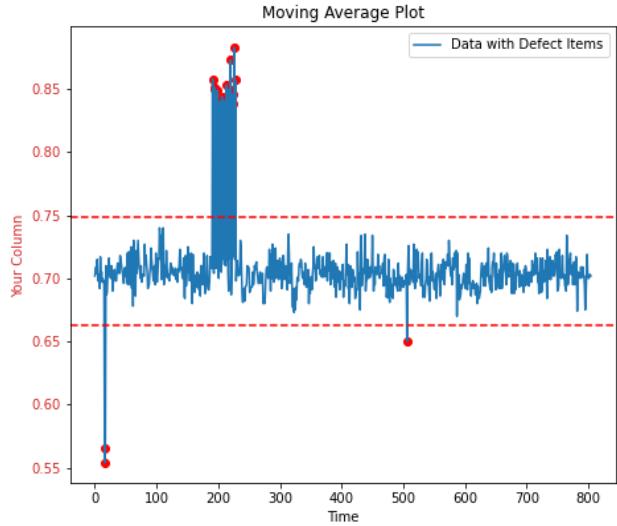
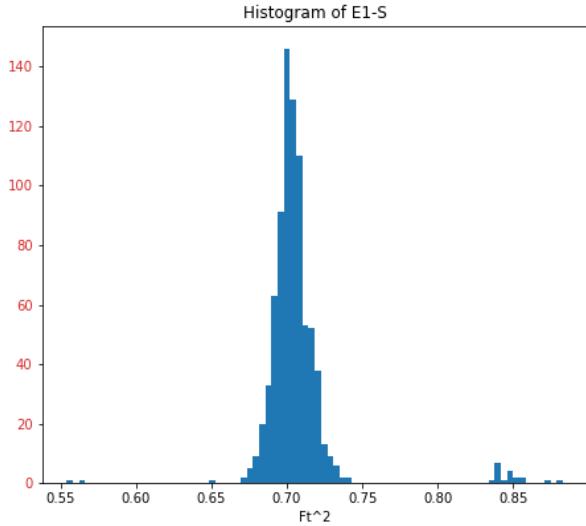
The lower control limit is: 3.598

Total 24 items out of control limit in 800 inspected items

The defect rate is $24/800 = 3.0\%$.

Analyze Report

Inspection Chart for E1-S dimension:



The mean is: 0.706

The upper control limit is: 0.749

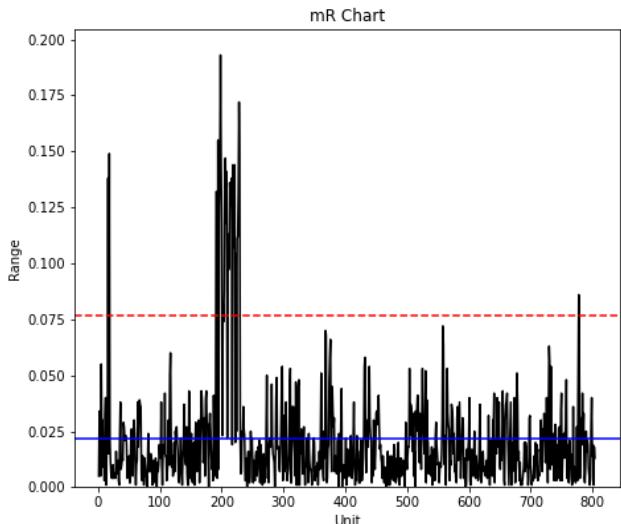
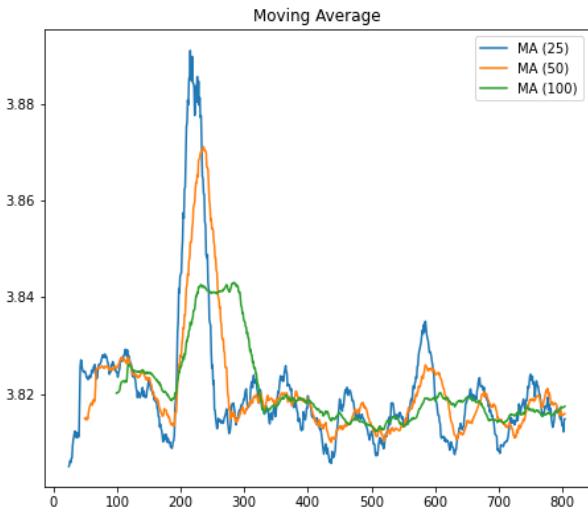
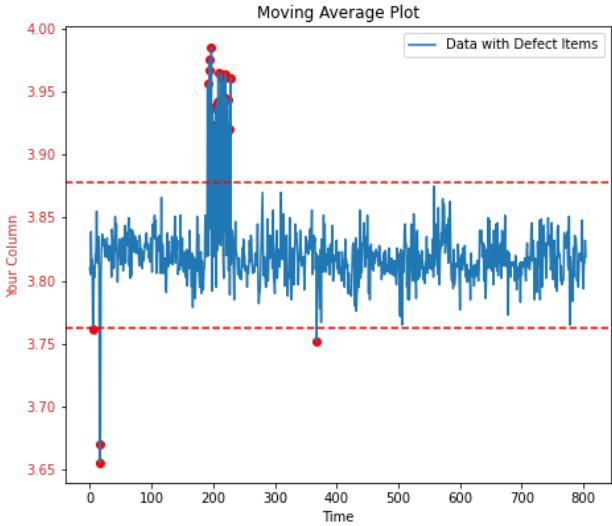
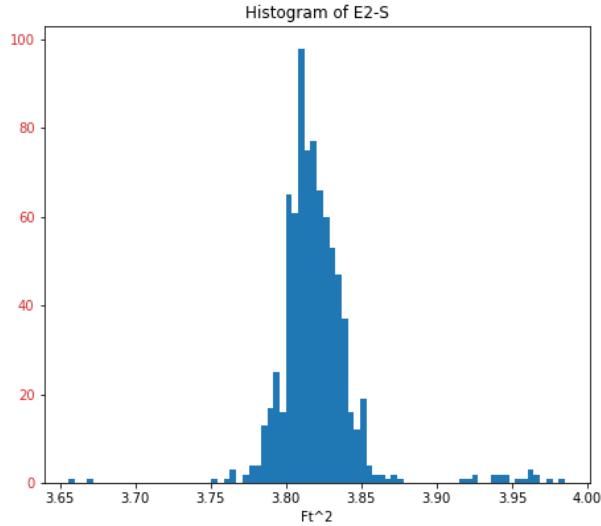
The lower control limit is: 0.663

Total 22 items out of control limit in 800 inspected items

The defect rate is $22/800 = 2.75\%$.

Analyze Report

Inspection Chart for E2-S dimension:



The mean is: 3.82

The upper control limit is: 3.878

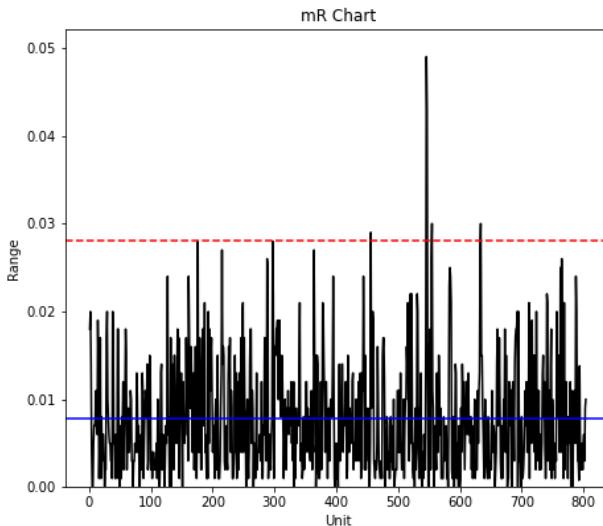
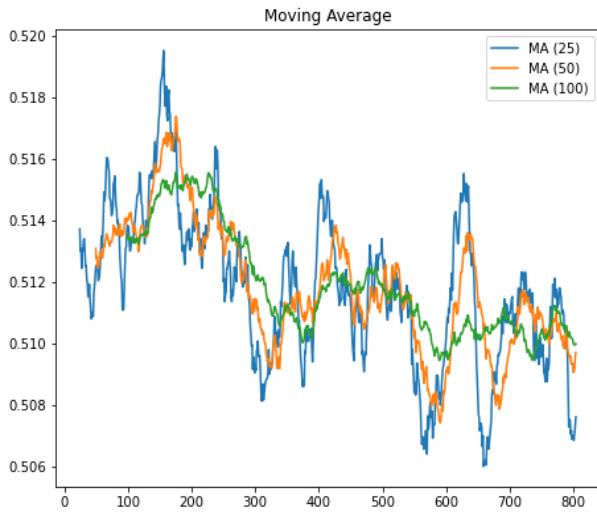
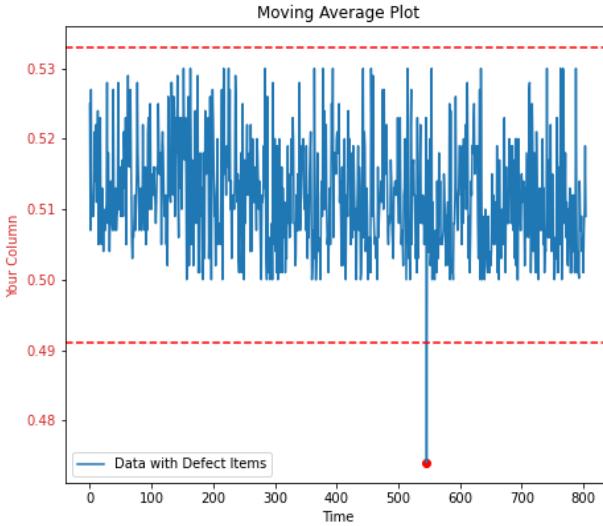
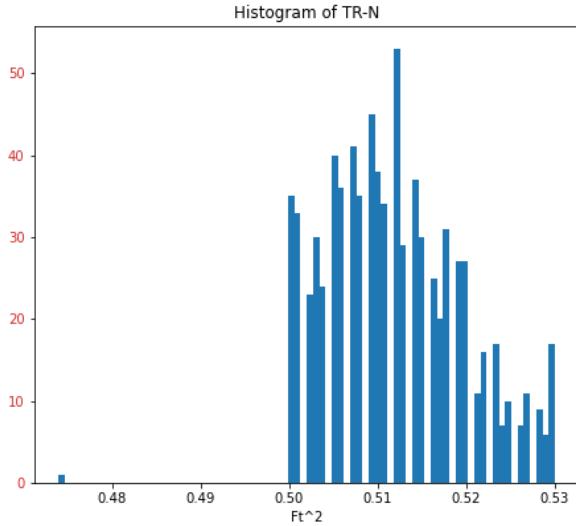
The lower control limit is: 3.763

Total 23 items out of control limit in 800 inspected items

The defect rate is $23/800 = 2.875\%$.

Analyze Report

Inspection Chart for TR-N dimension:



The mean is: 0.512

The upper control limit is: 0.533

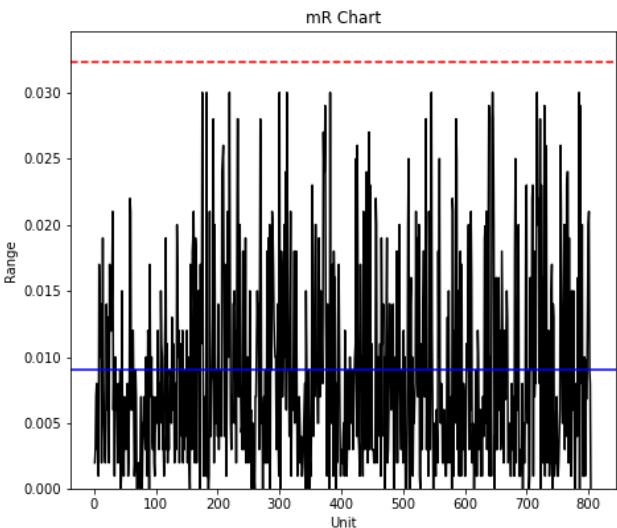
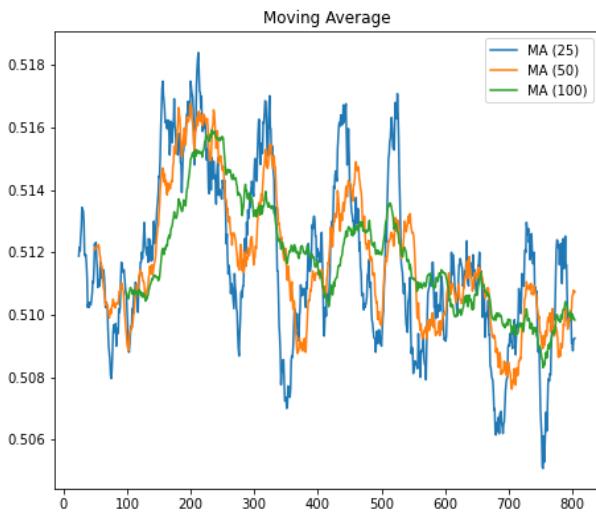
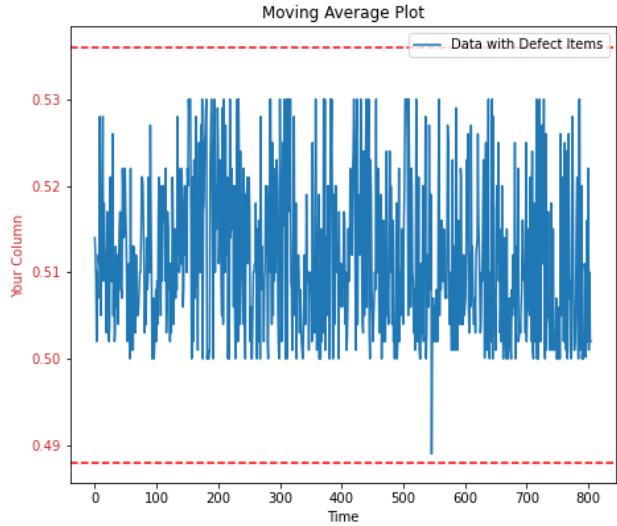
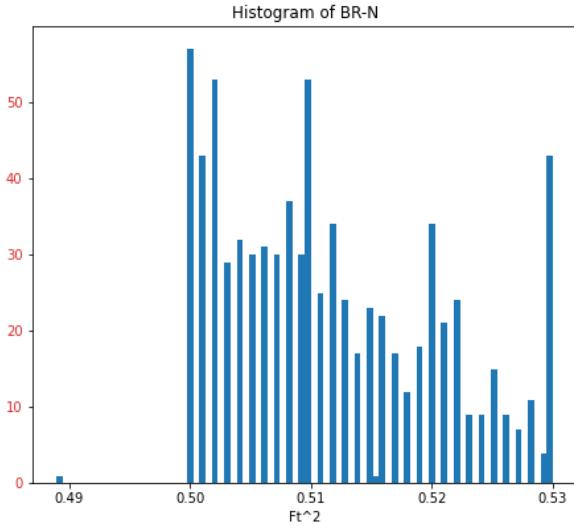
The lower control limit is: 0.491

Total 1 items out of controll limit in 800 inspected items

The defect rate is 1/800 = 0.125%.

Analyze Report

Inspection Chart for BR-N dimension:



The mean is: 0.512

The upper control limit is: 0.536

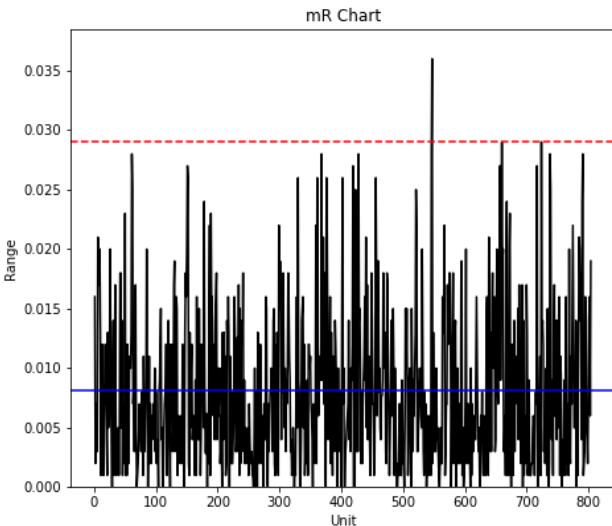
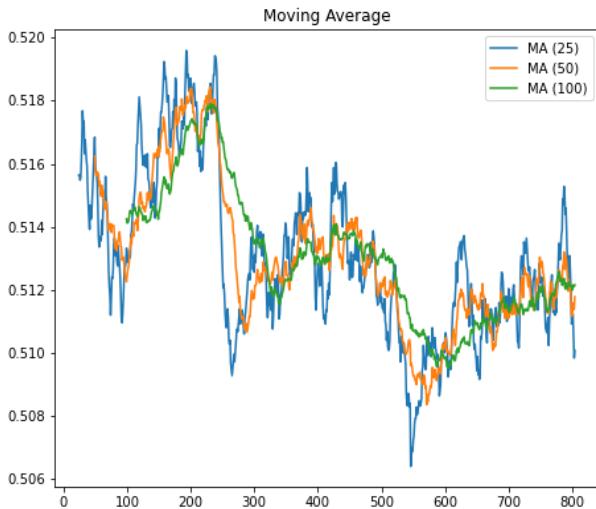
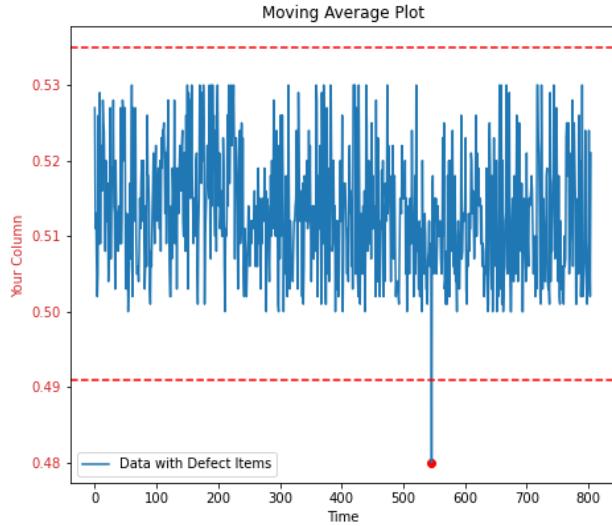
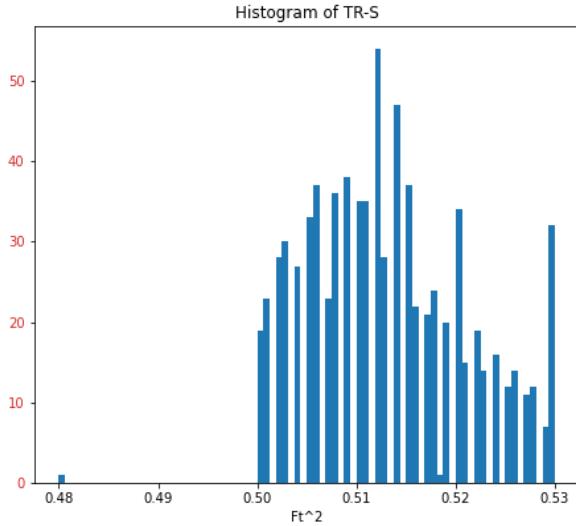
The lower control limit is: 0.488

Total 0 items out of control limit in 800 inspected items

The defect rate is 0/800 = 0.0%.

Analyze Report

Inspection Chart for TR-S dimension:



The mean is: 0.513

The upper control limit is: 0.535

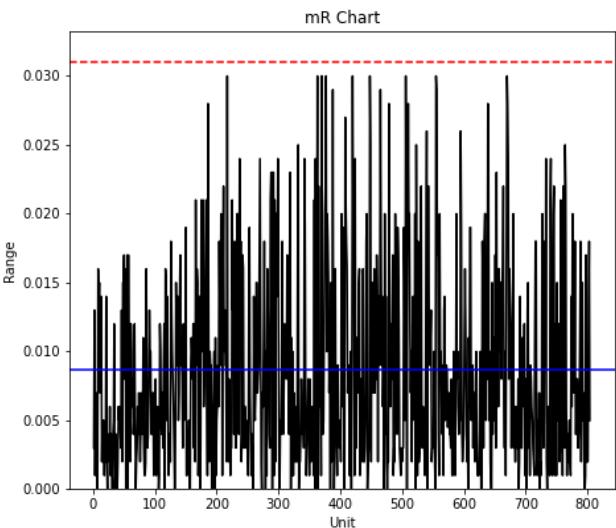
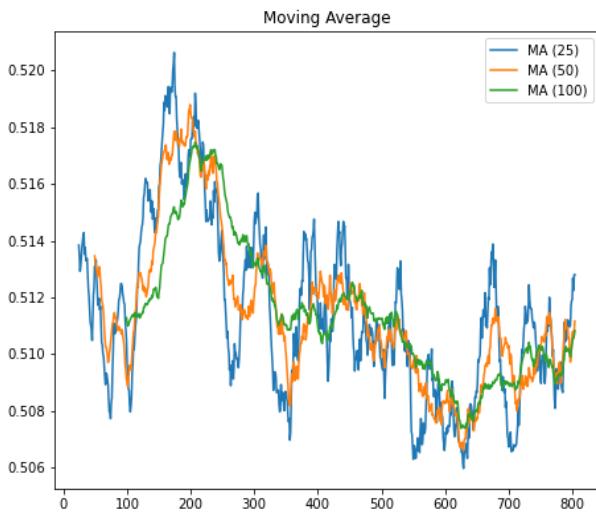
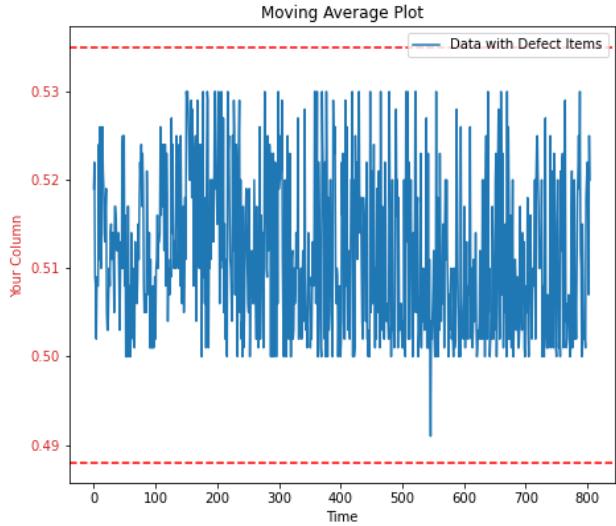
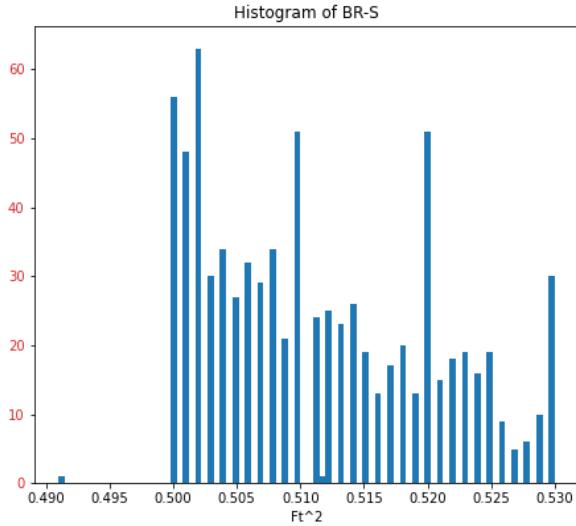
The lower control limit is: 0.491

Total 1 items out of control limit in 800 inspected items

The defect rate is 1/800 = 0.125%.

Analyze Report

Inspection Chart for BR-S dimension:



The mean is: 0.512

The upper control limit is: 0.535

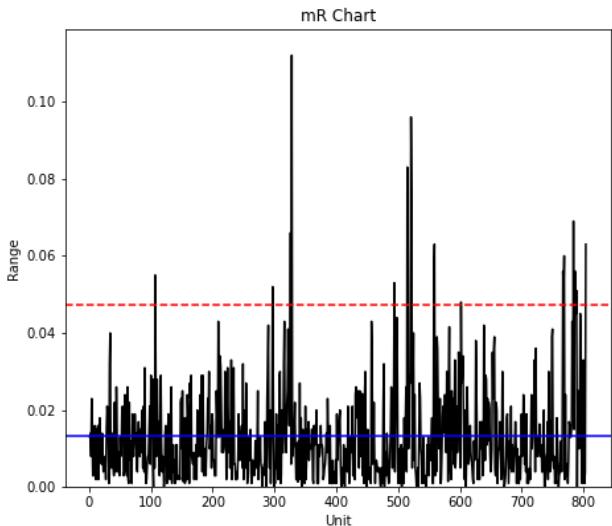
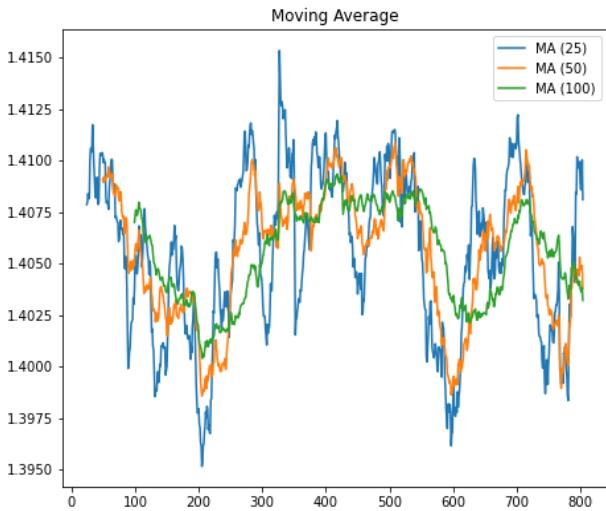
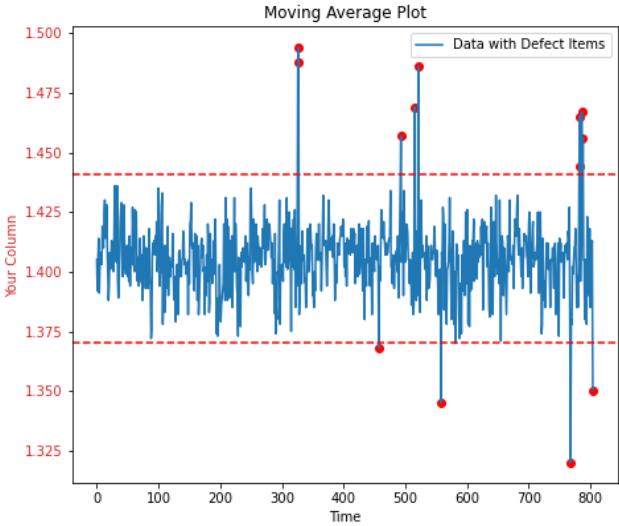
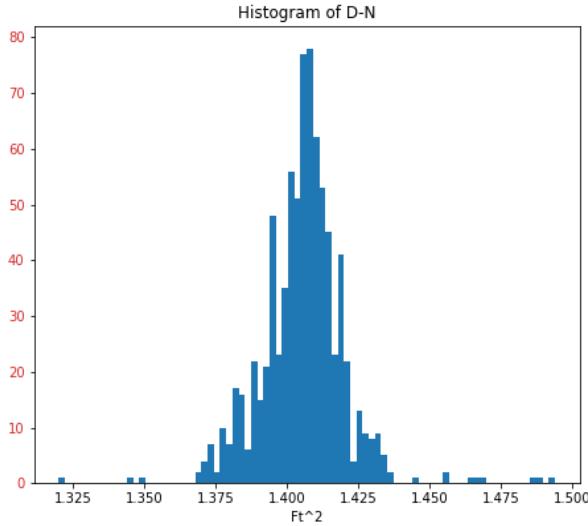
The lower control limit is: 0.488

Total 0 items out of controll limit in 800 inspected items

The defect rate is 0/800 = 0.0%.

Analyze Report

Inspection Chart for D-N dimension:



The mean is: 1.406

The upper control limit is: 1.441

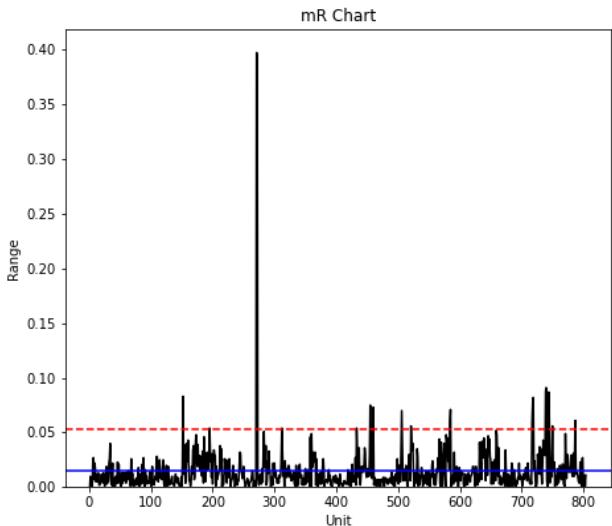
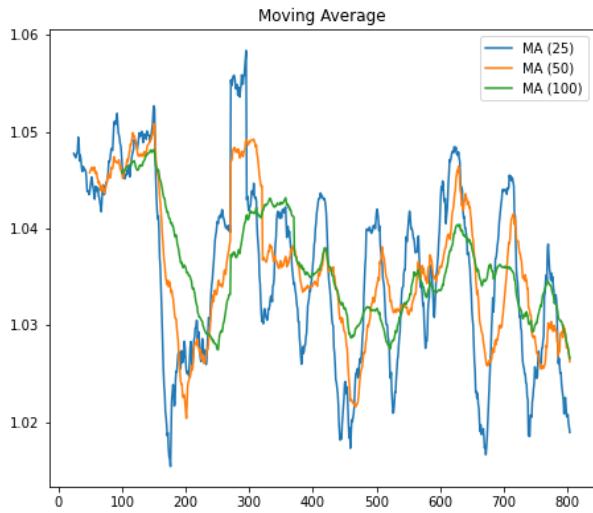
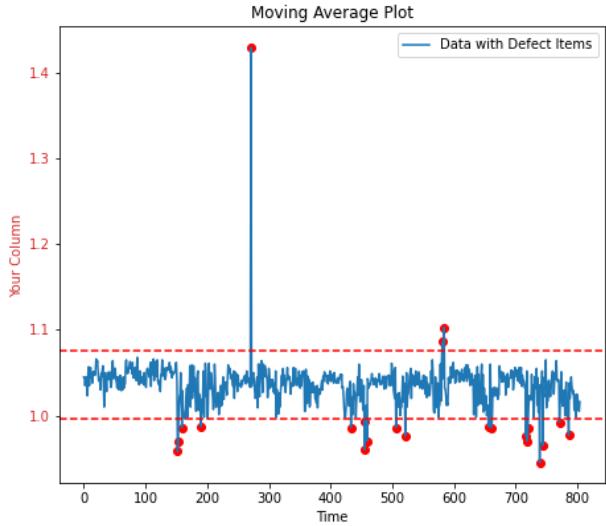
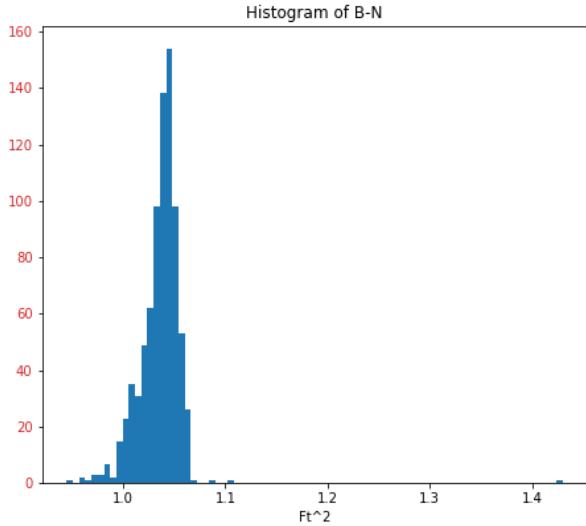
The lower control limit is: 1.37

Total 13 items out of control limit in 800 inspected items

The defect rate is $13/800 = 1.625\%$.

Analyze Report

Inspection Chart for B-N dimension:



The mean is: 1.036

The upper control limit is: 1.075

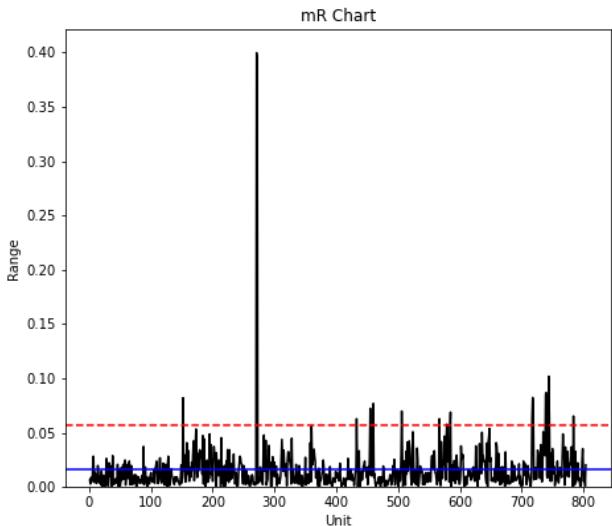
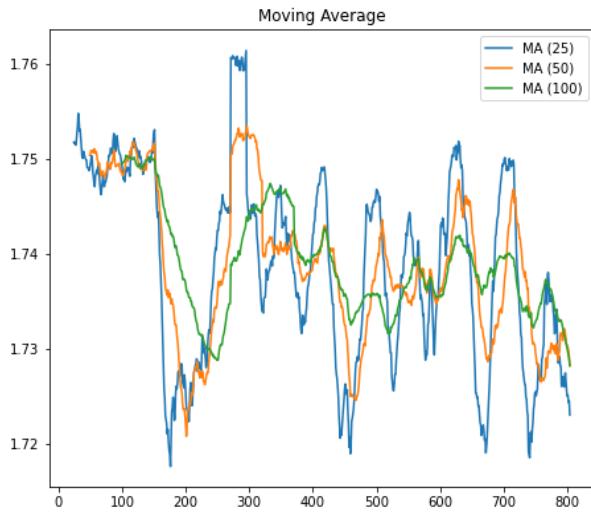
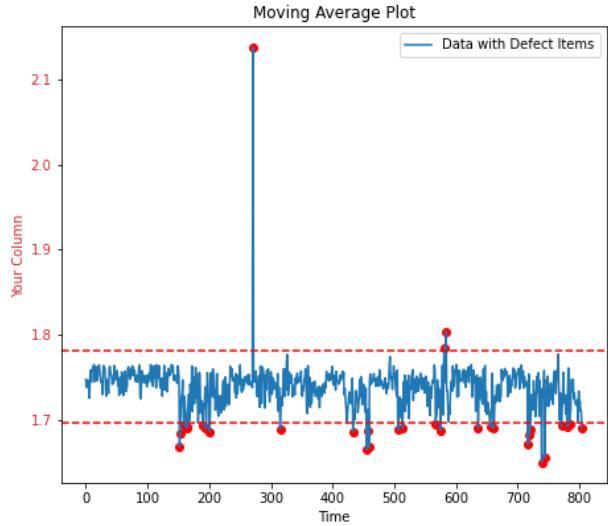
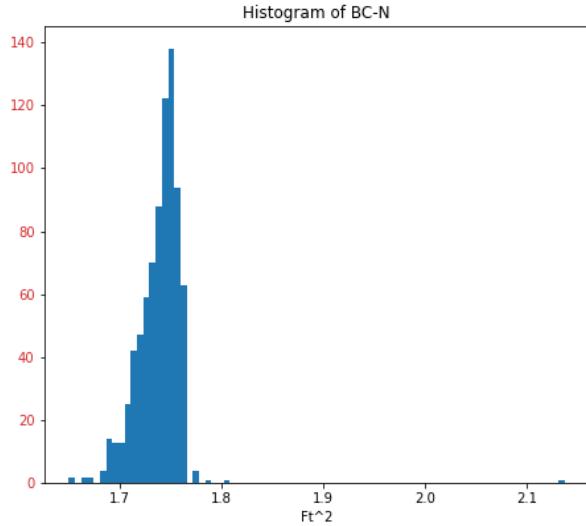
The lower control limit is: 0.996

Total 22 items out of control limit in 800 inspected items

The defect rate is $22/800 = 2.75\%$.

Analyze Report

Inspection Chart for BC-N dimension:



The mean is: 1.739

The upper control limit is: 1.781

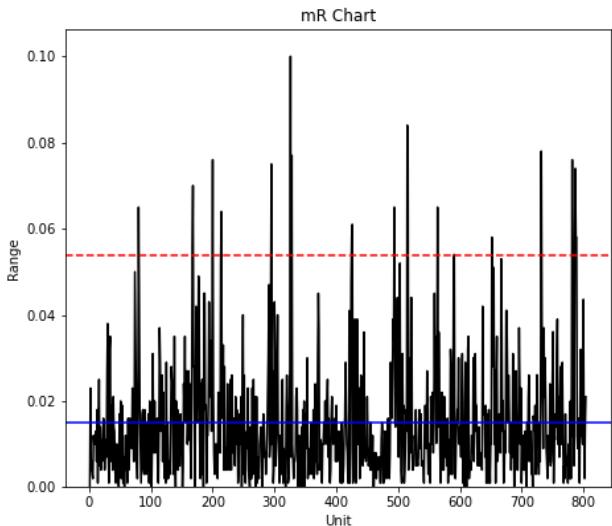
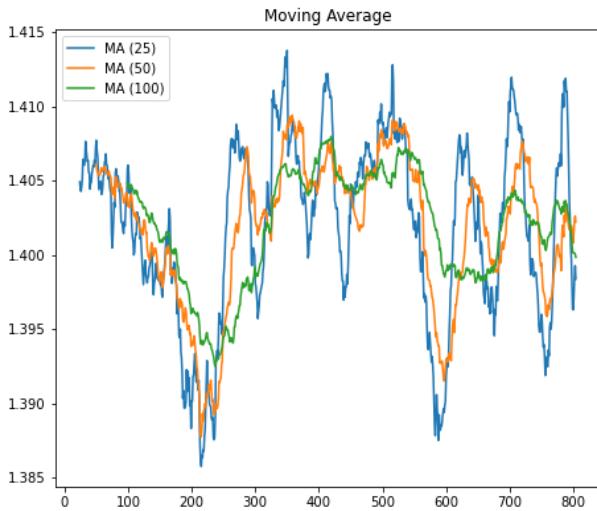
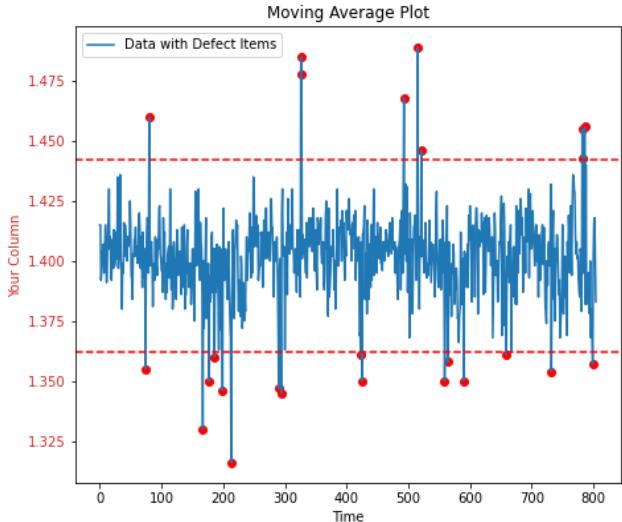
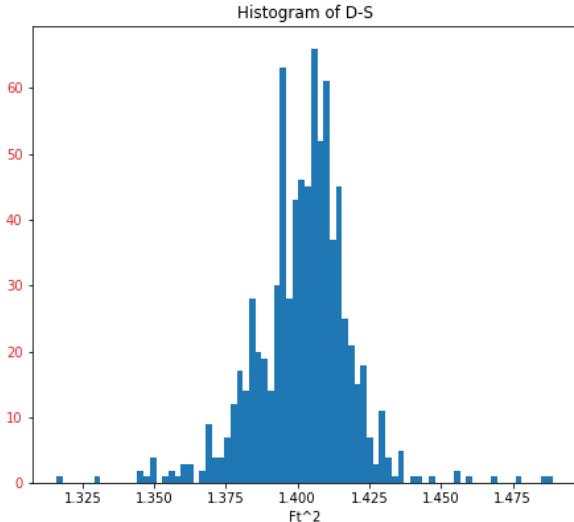
The lower control limit is: 1.696

Total 32 items out of control limit in 800 inspected items

The defect rate is $32/800 = 4.0\%$.

Analyze Report

Inspection Chart for D-S dimension:



The mean is: 1.402

The upper control limit is: 1.442

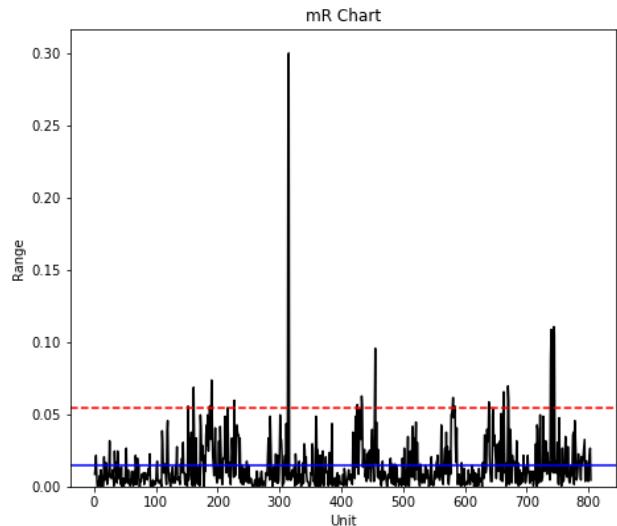
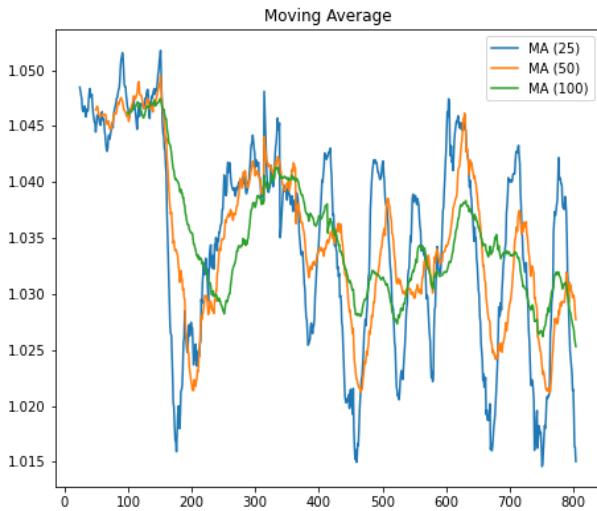
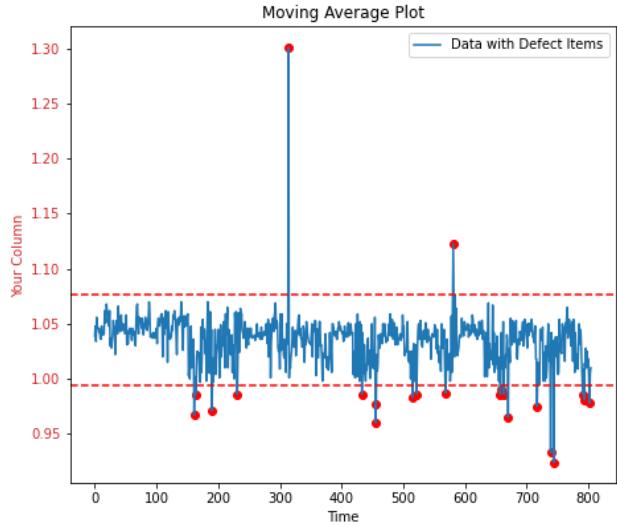
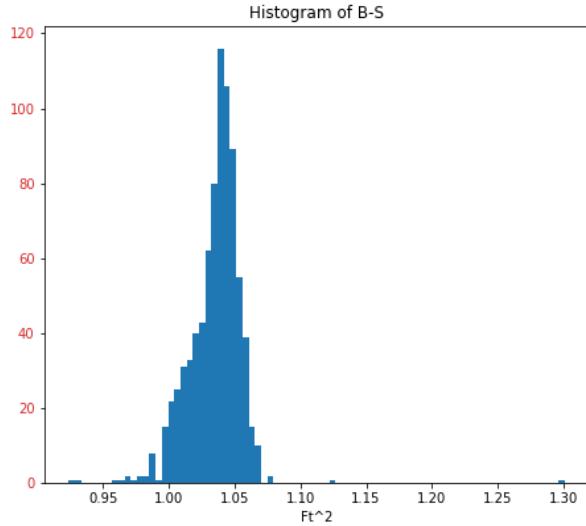
The lower control limit is: 1.362

Total 25 items out of control limit in 800 inspected items

The defect rate is $25/800 = 3.125\%$.

Analyze Report

Inspection Chart for B-S dimension:



The mean is: 1.035

The upper control limit is: 1.076

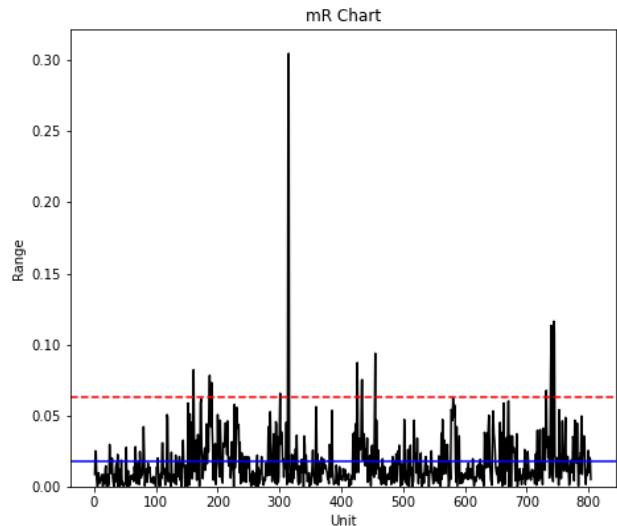
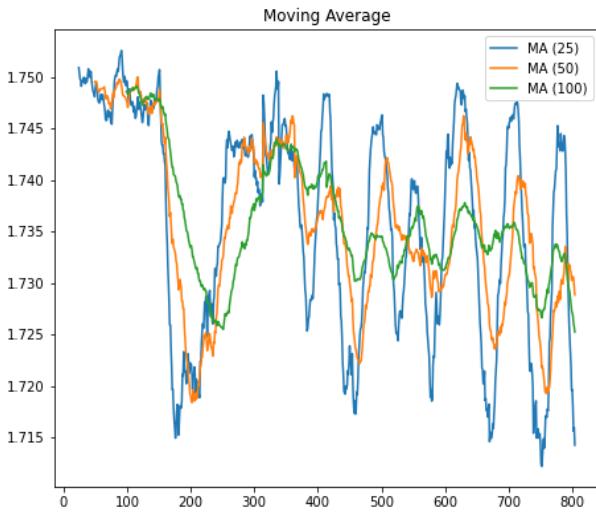
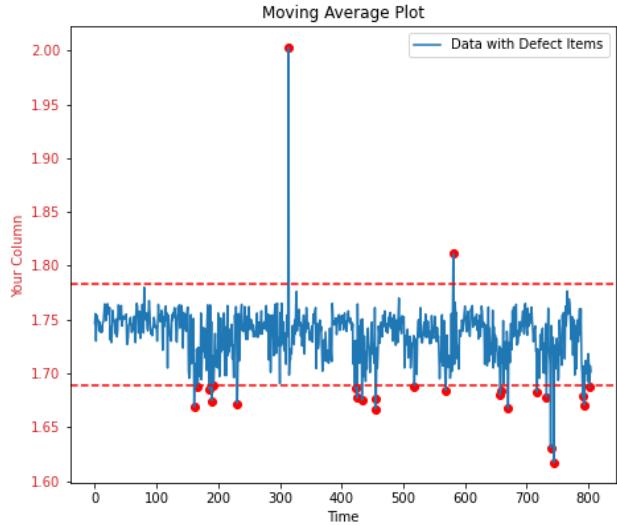
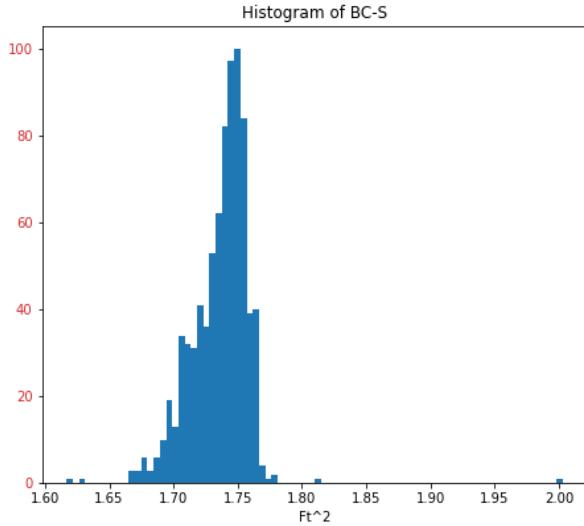
The lower control limit is: 0.994

Total 22 items out of control limit in 800 inspected items

The defect rate is 22/800 = 2.75%.

Analyze Report

Inspection Chart for BC-S dimension:



The mean is: 1.736

The upper control limit is: 1.783

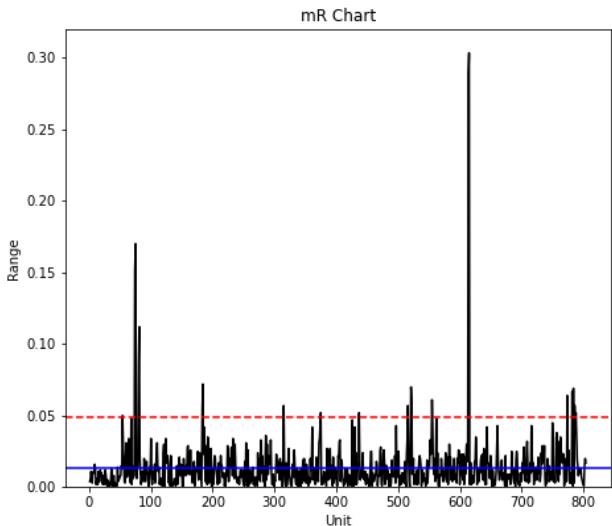
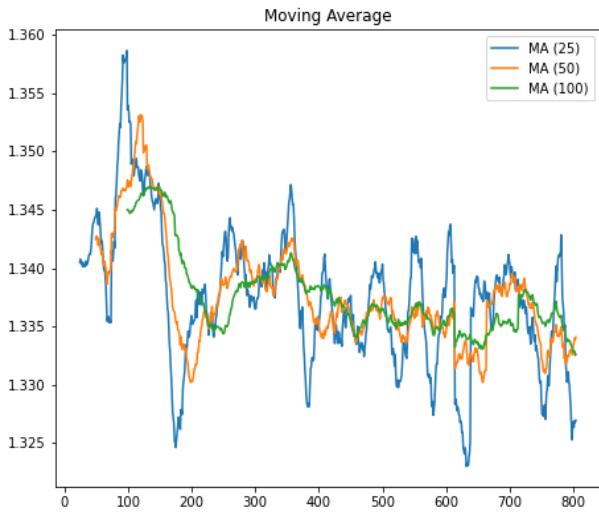
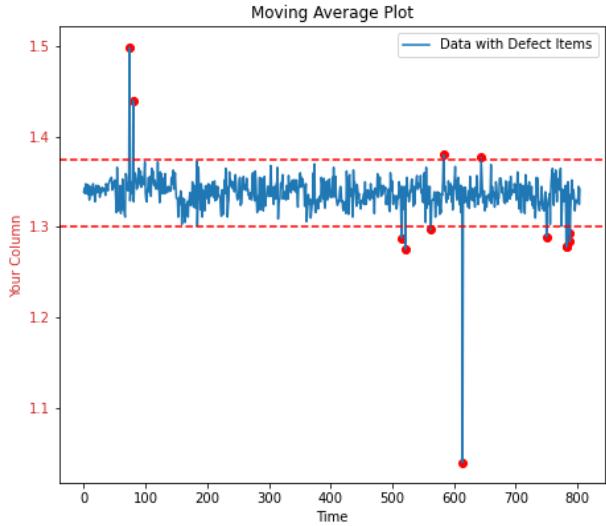
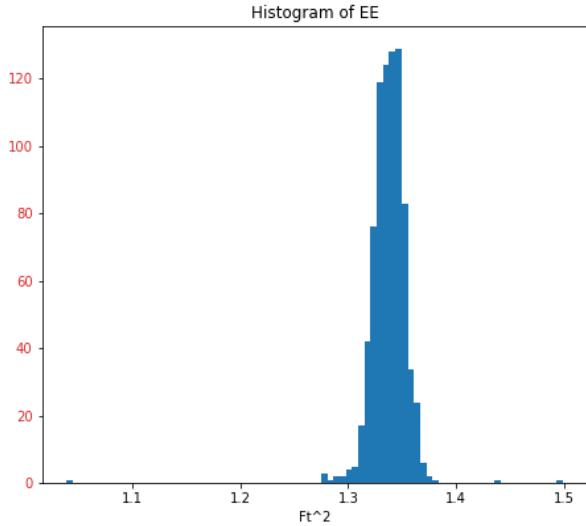
The lower control limit is: 1.689

Total 25 items out of control limit in 800 inspected items

The defect rate is 25/800 = 3.125%.

Analyze Report

Inspection Chart for EE dimension:



The mean is: 1.338

The upper control limit is: 1.374

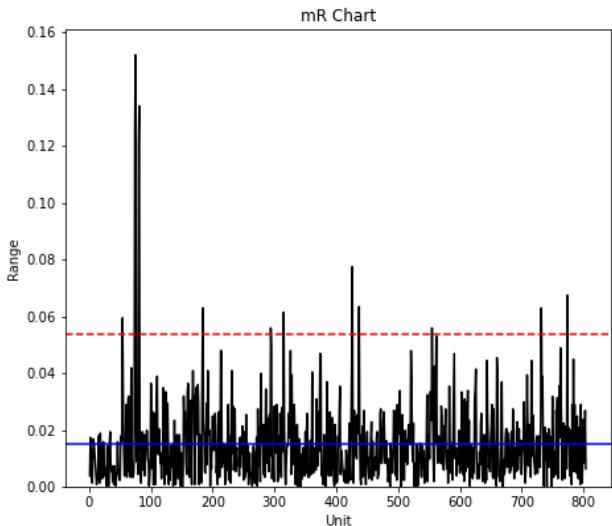
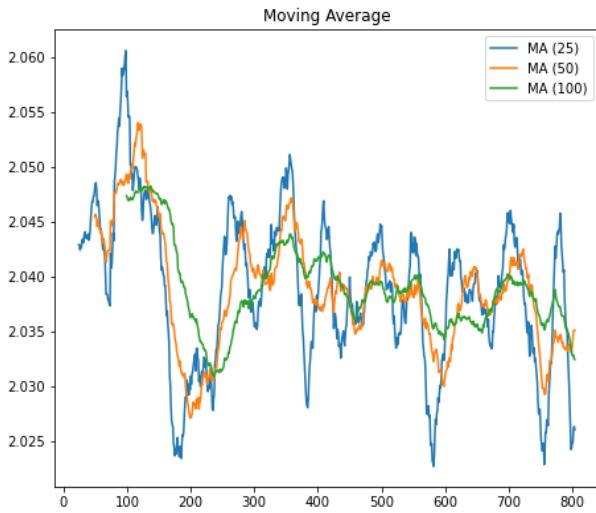
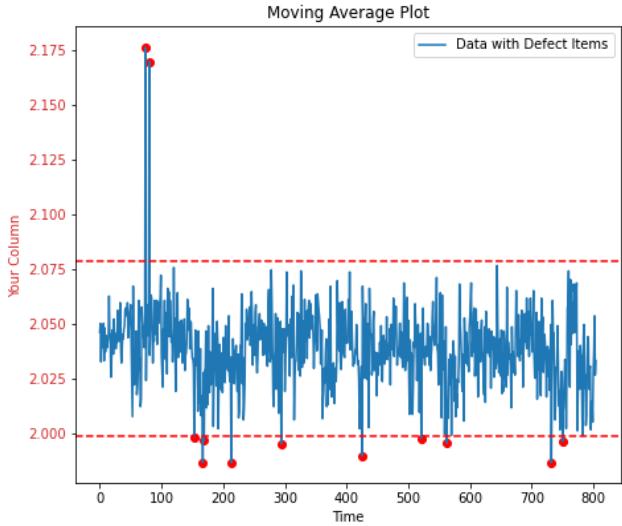
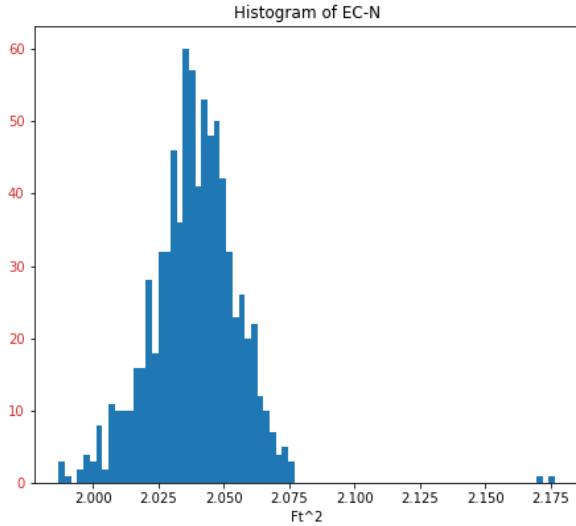
The lower control limit is: 1.301

Total 13 items out of control limit in 800 inspected items

The defect rate is $13/800 = 1.625\%$.

Analyze Report

Inspection Chart for EC-N dimension:



The mean is: 2.039

The upper control limit is: 2.079

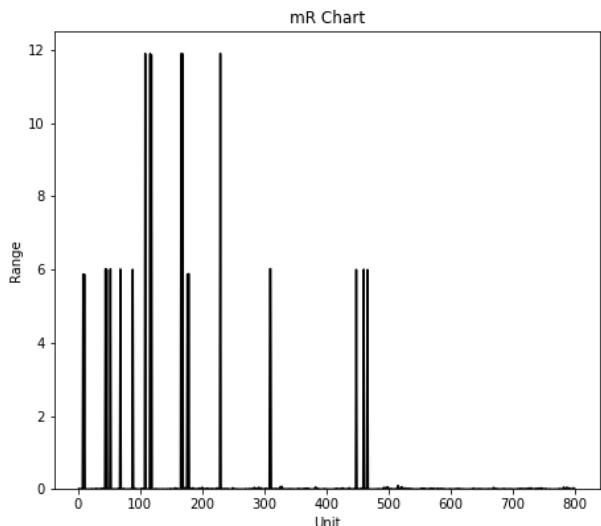
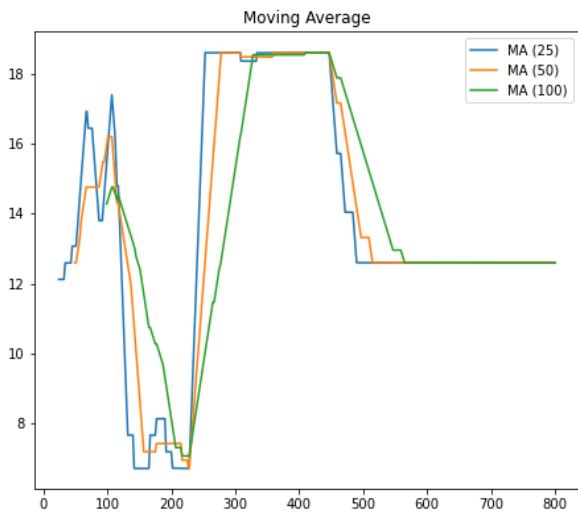
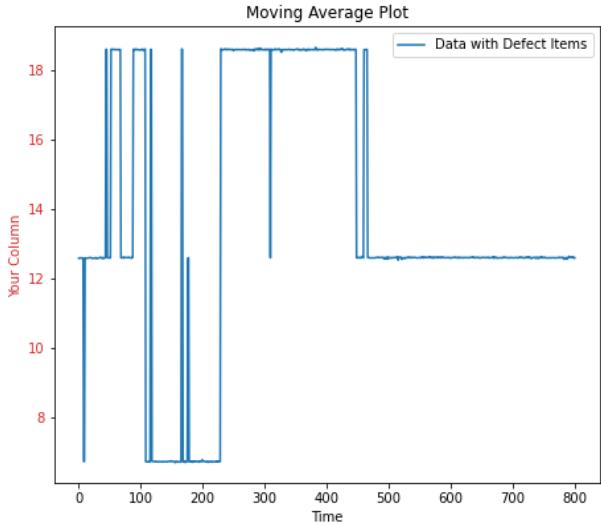
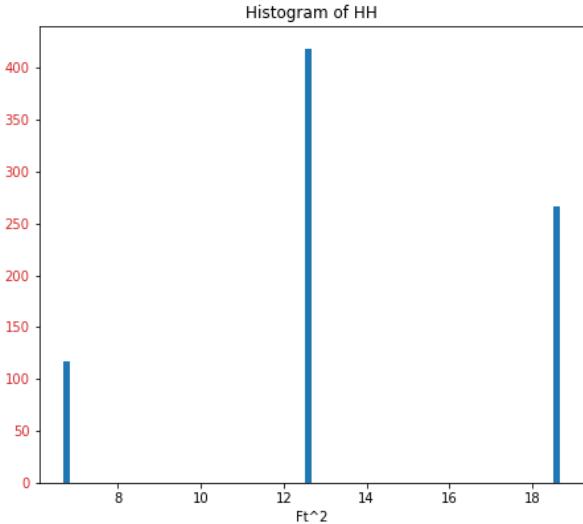
The lower control limit is: 1.999

Total 12 items out of control limit in 800 inspected items

The defect rate is 12/800 = 1.5%.

Analyze Report

Inspection Chart for HH dimension:



The mean is: 13.735

The upper control limit is: nan

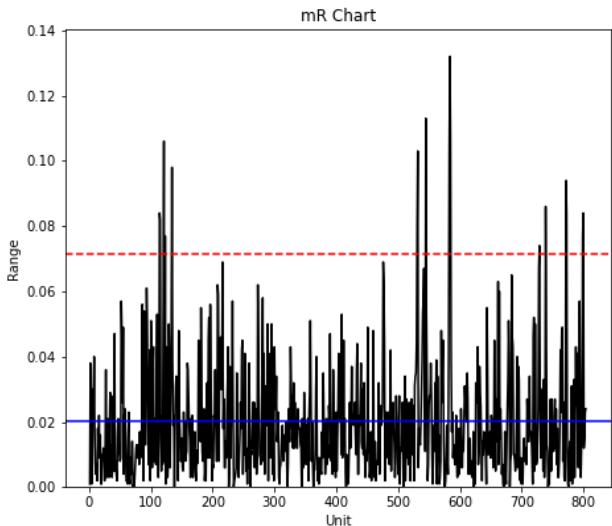
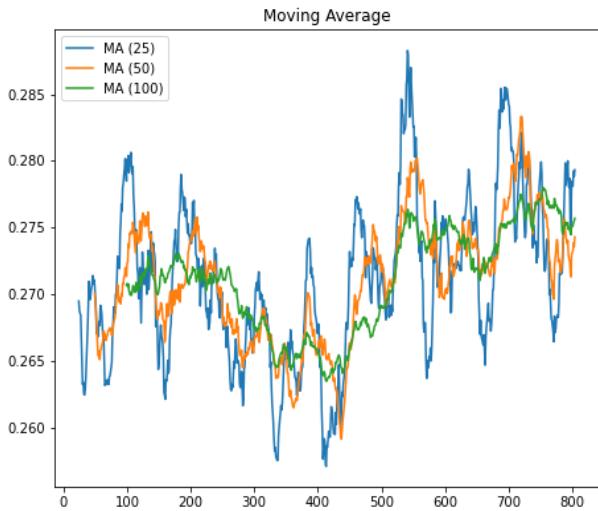
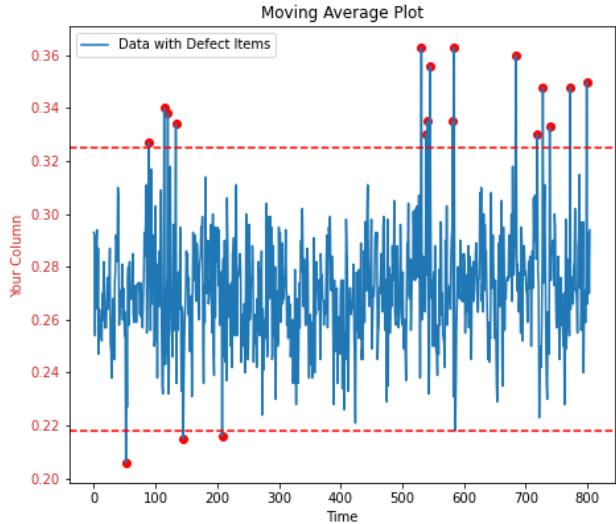
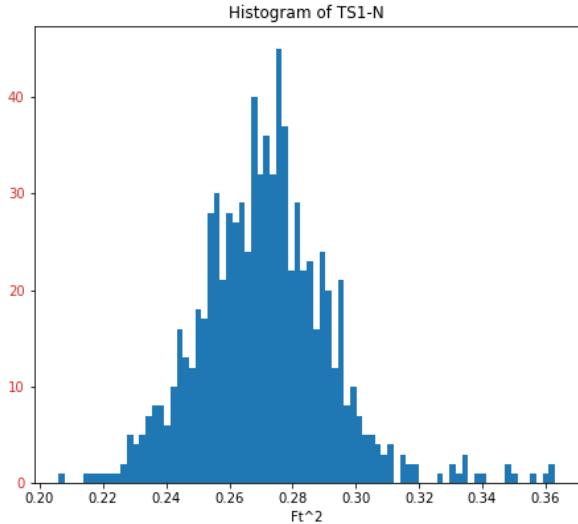
The lower control limit is: nan

Total 0 items out of control limit in 800 inspected items

The defect rate is 0/800 = 0.0%.

Analyze Report

Inspection Chart for TS1-N dimension:



The mean is: 0.271

The upper control limit is: 0.325

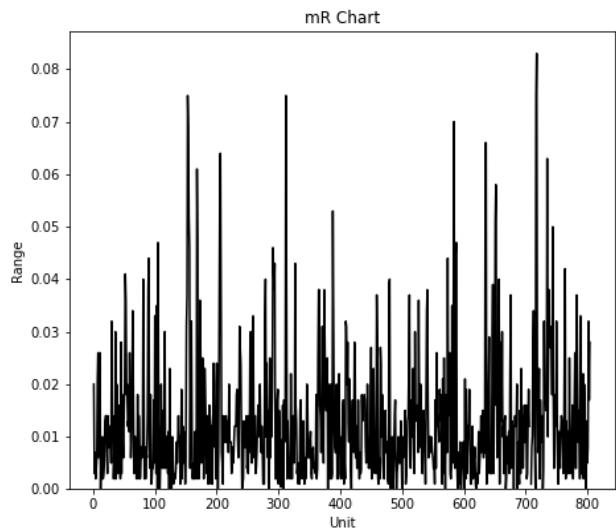
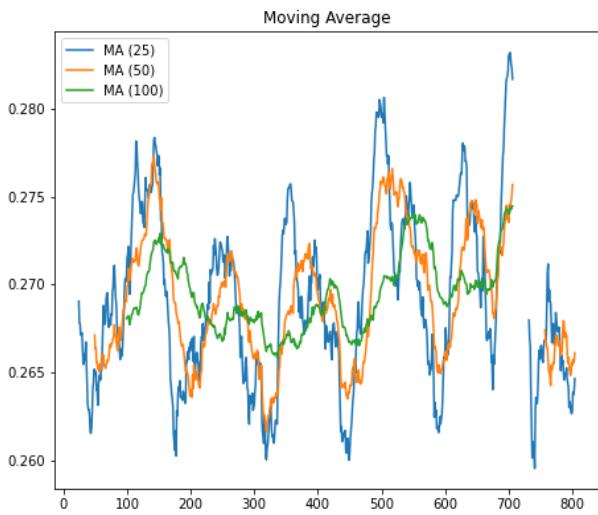
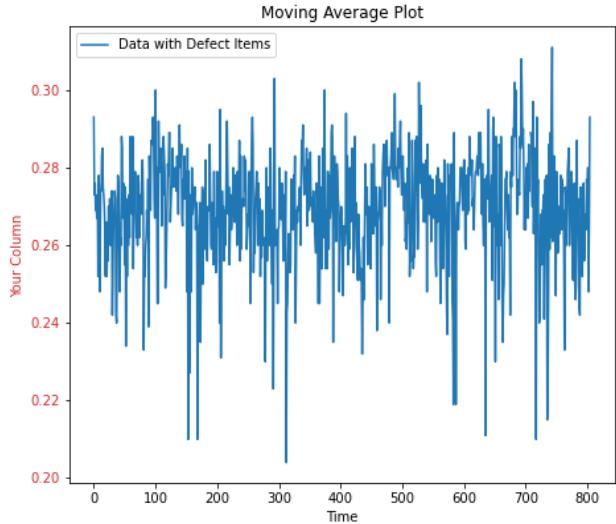
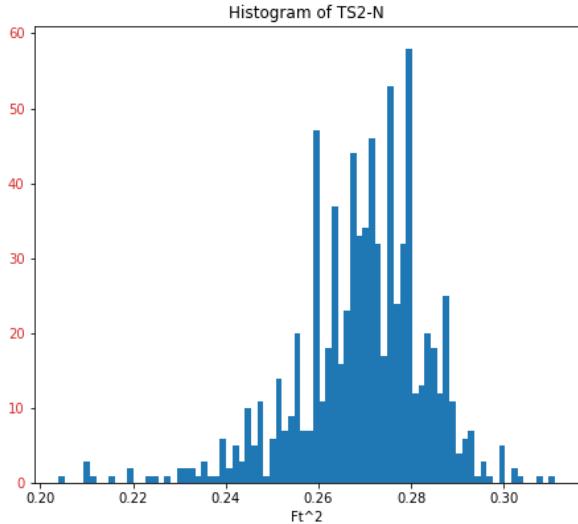
The lower control limit is: 0.218

Total 19 items out of control limit in 800 inspected items

The defect rate is 19/800 = 2.375%.

Analyze Report

Inspection Chart for TS2-N dimension:



The mean is: 0.269

The upper control limit is: nan

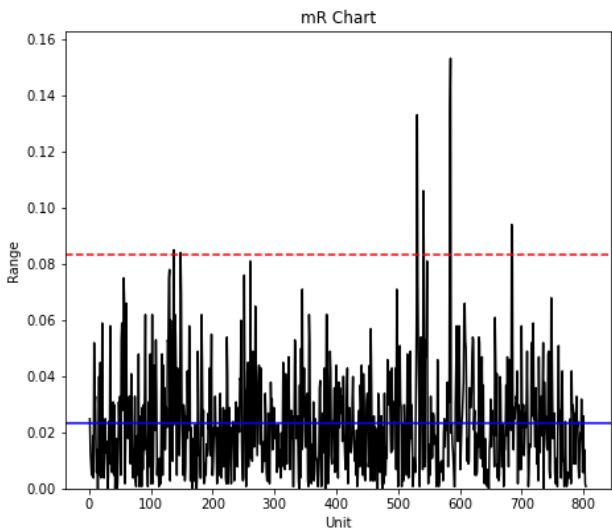
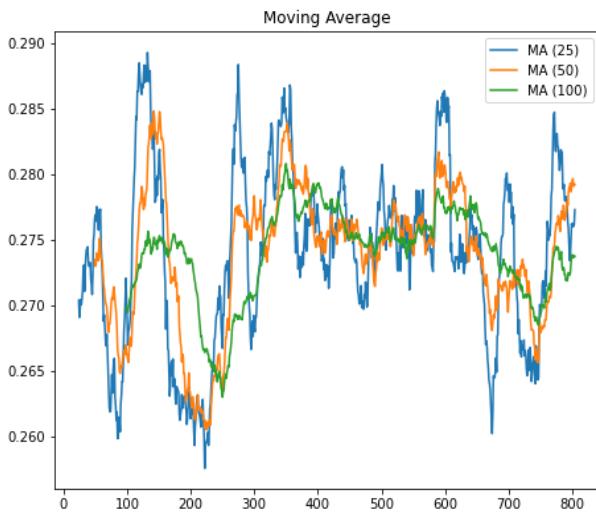
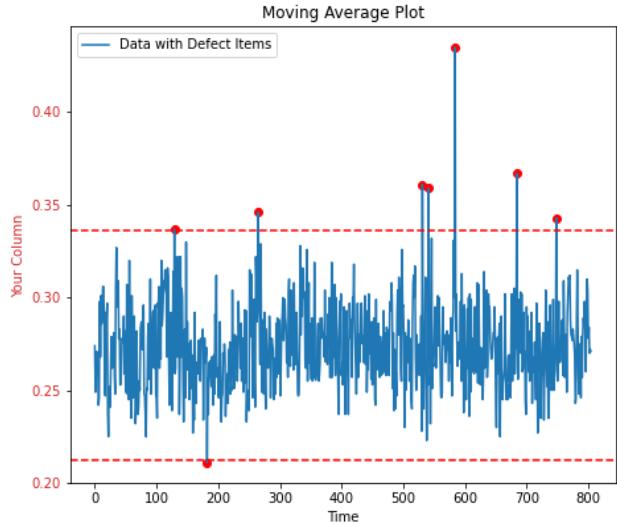
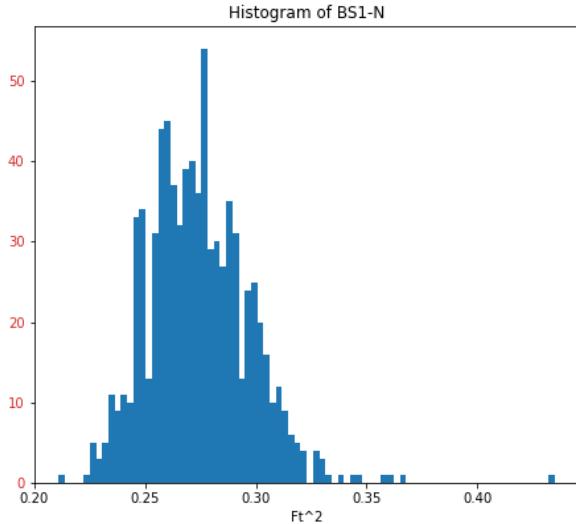
The lower control limit is: nan

Total 0 items out of controll limit in 800 inspected items

The defect rate is 0/800 = 0.0%.

Analyze Report

Inspection Chart for BS1-N dimension:



The mean is: 0.274

The upper control limit is: 0.336

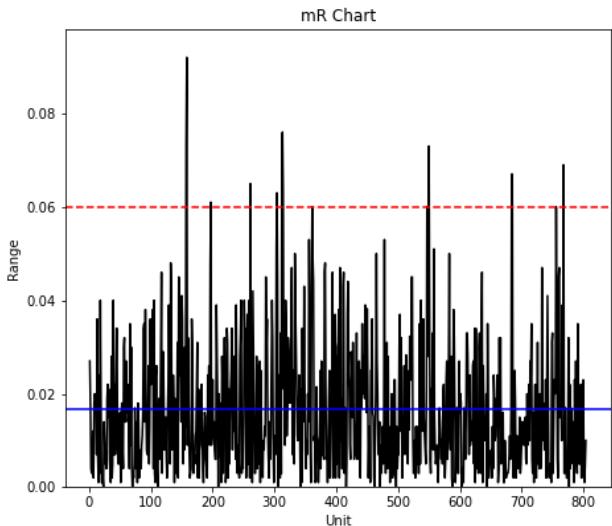
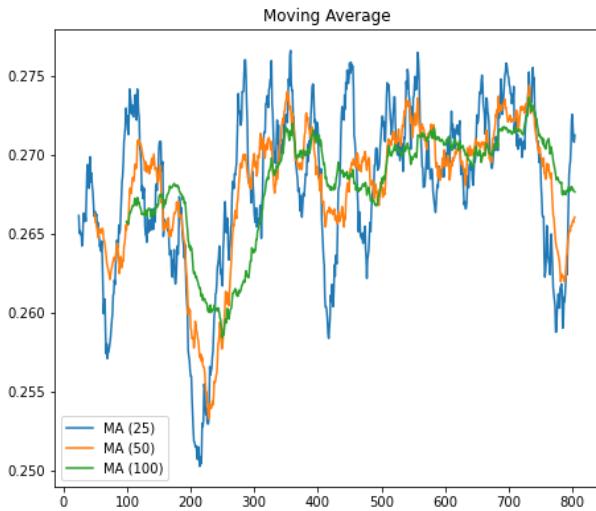
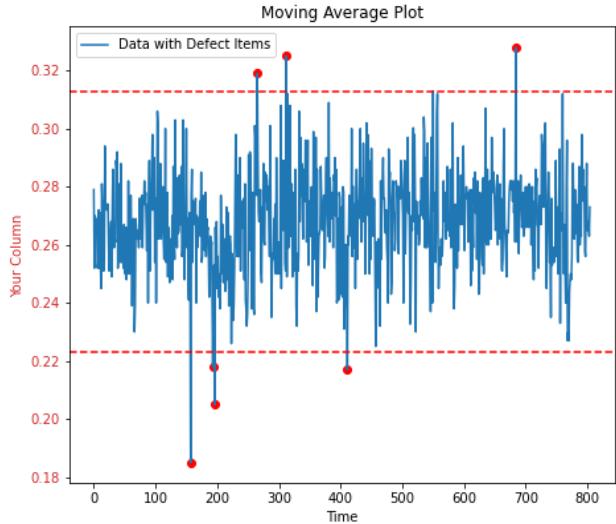
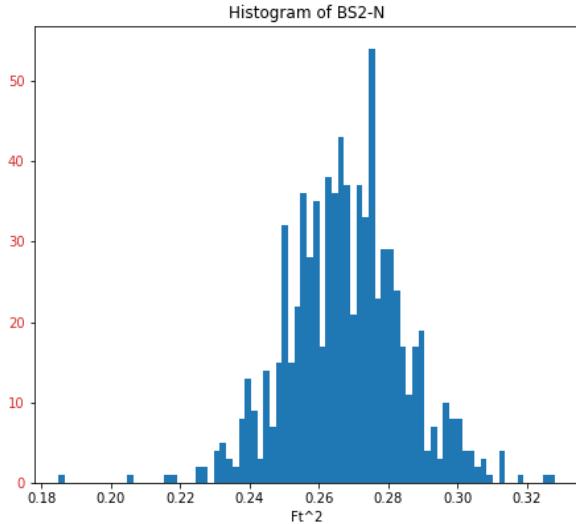
The lower control limit is: 0.212

Total 8 items out of controll limit in 800 inspected items

The defect rate is $8/800 = 1.0\%$.

Analyze Report

Inspection Chart for BS2-N dimension:



The mean is: 0.268

The upper control limit is: 0.313

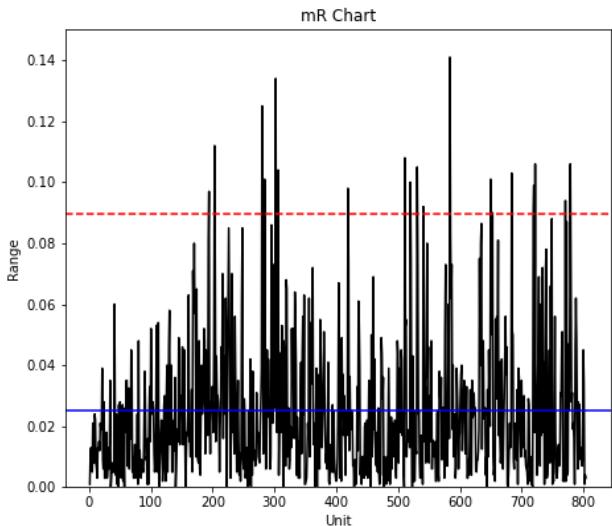
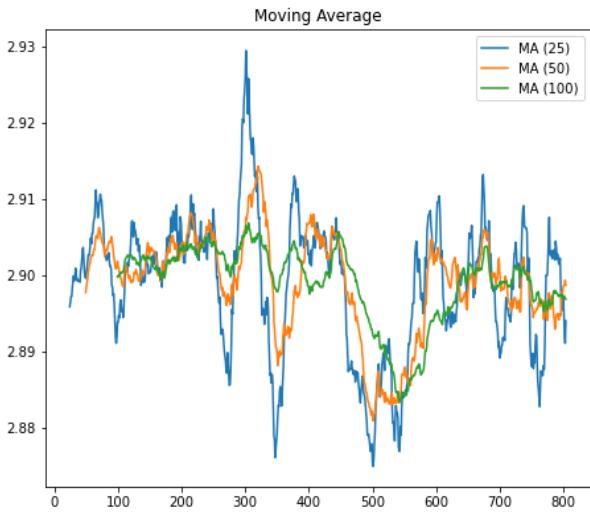
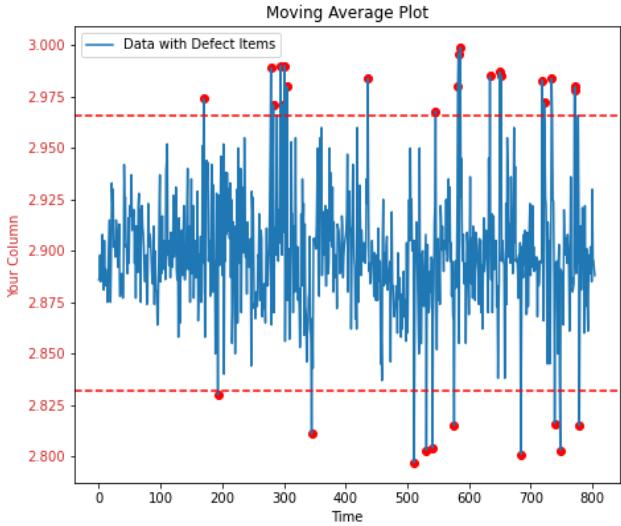
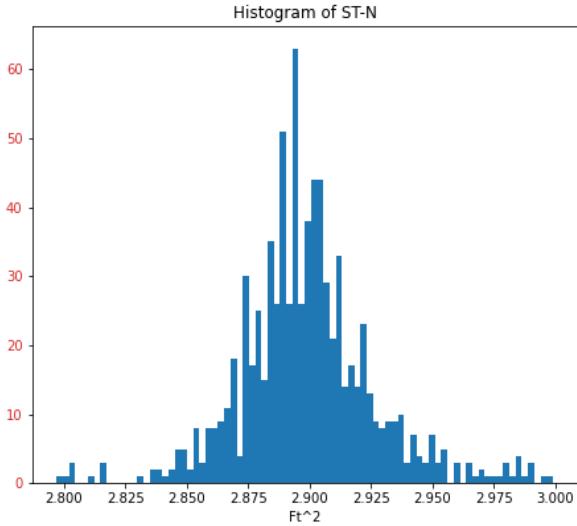
The lower control limit is: 0.223

Total 7 items out of control limit in 800 inspected items

The defect rate is 7/800 = 0.875%.

Analyze Report

Inspection Chart for ST-N dimension:



The mean is: 2.899

The upper control limit is: 2.966

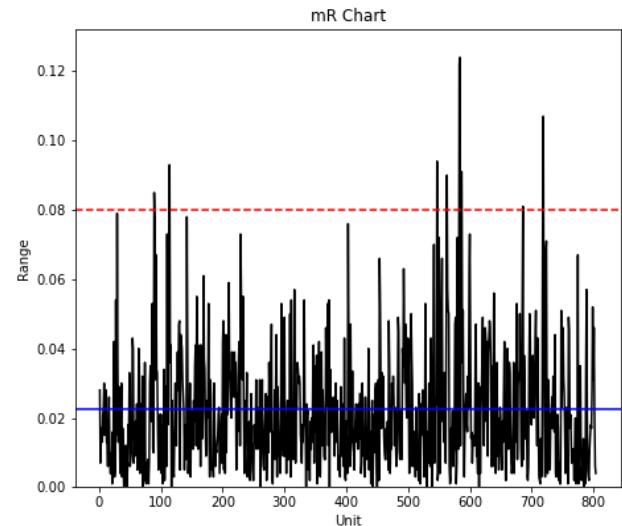
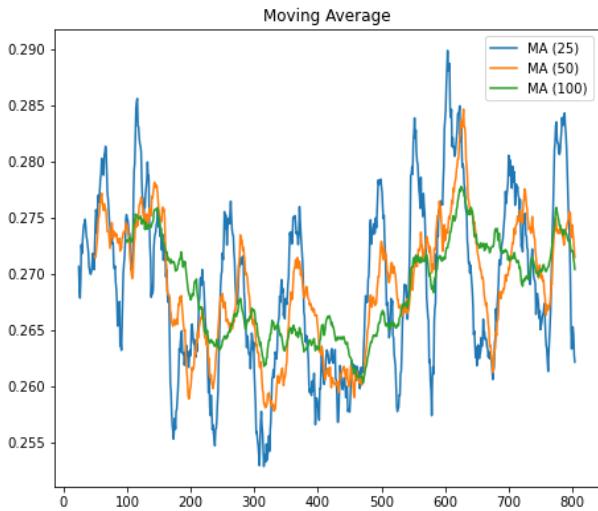
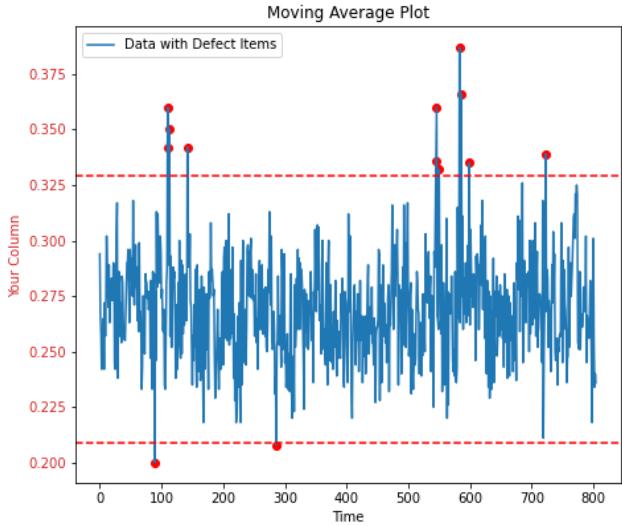
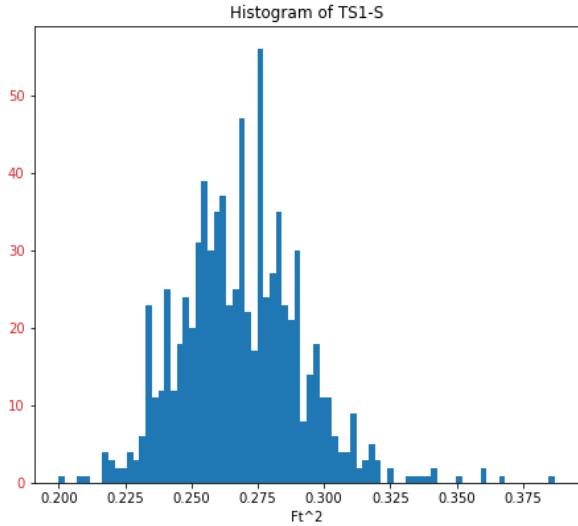
The lower control limit is: 2.832

Total 30 items out of control limit in 800 inspected items

The defect rate is $30/800 = 3.75\%$.

Analyze Report

Inspection Chart for TS1-S dimension:



The mean is: 0.269

The upper control limit is: 0.329

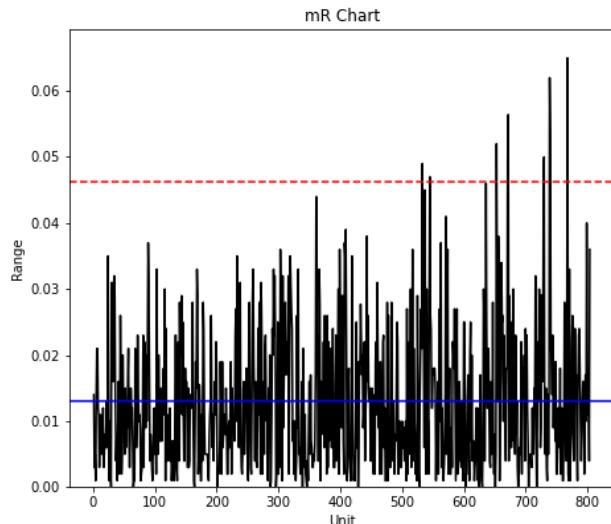
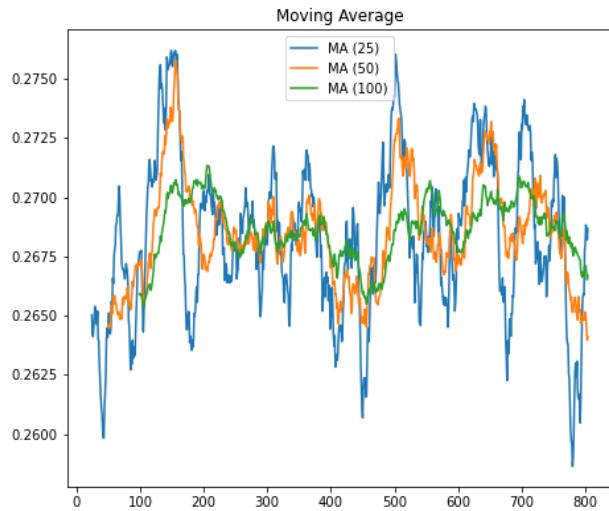
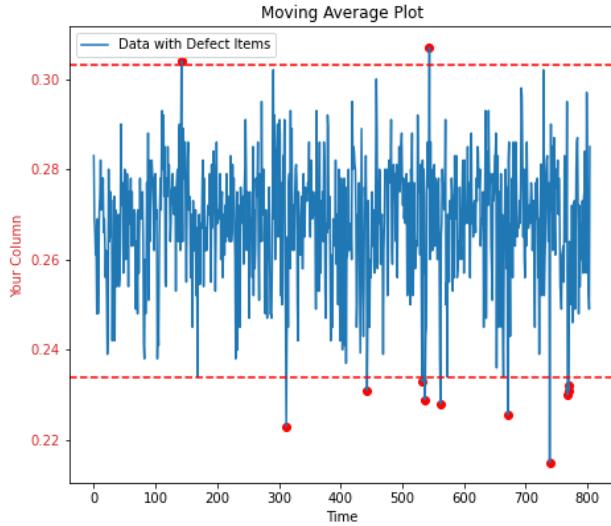
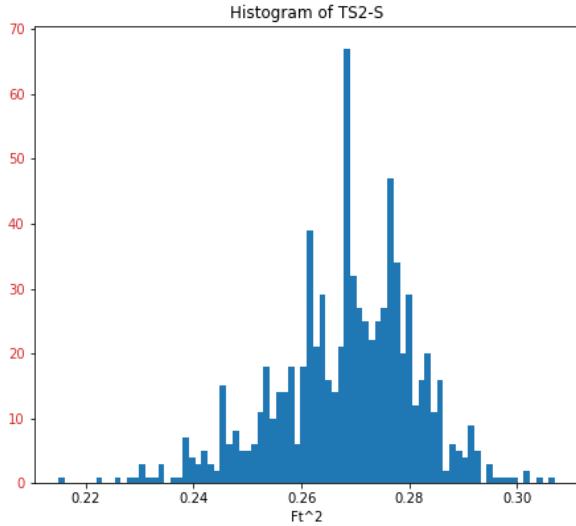
The lower control limit is: 0.209

Total 13 items out of control limit in 800 inspected items

The defect rate is $13/800 = 1.625\%$.

Analyze Report

Inspection Chart for TS2-S dimension:



The mean is: 0.268

The upper control limit is: 0.303

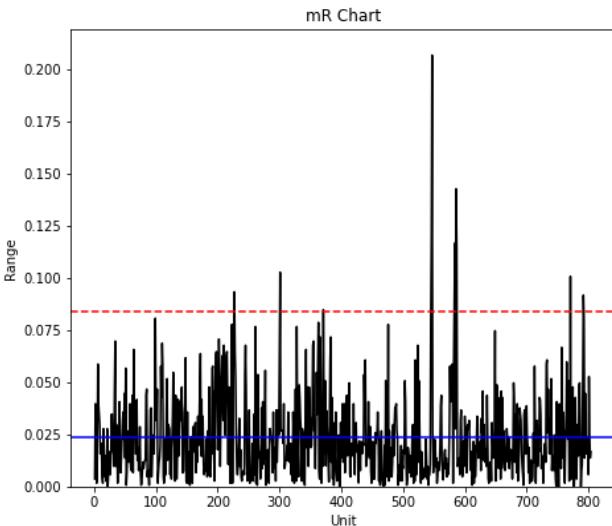
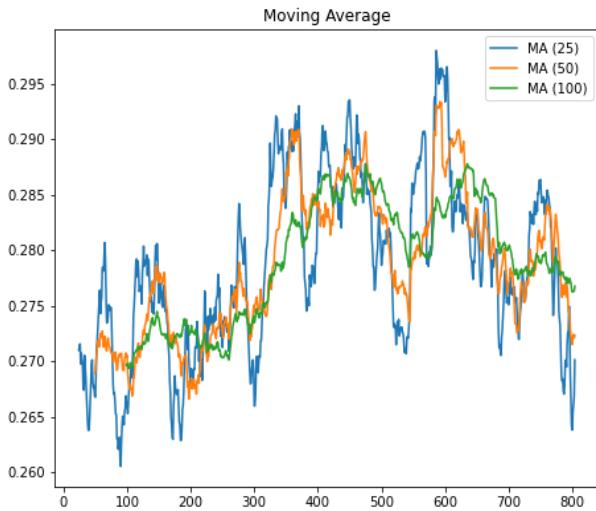
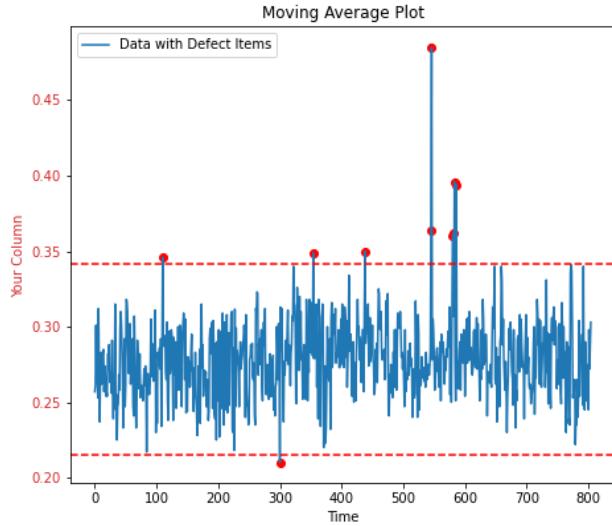
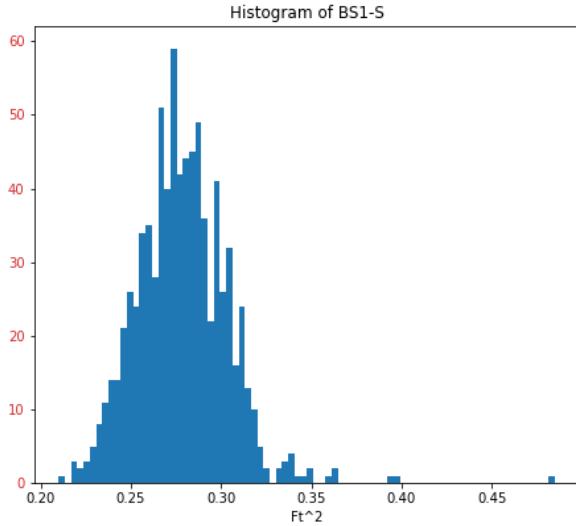
The lower control limit is: 0.234

Total 12 items out of control limit in 800 inspected items

The defect rate is $12/800 = 1.5\%$.

Analyze Report

Inspection Chart for BS1-S dimension:



The mean is: 0.278

The upper control limit is: 0.342

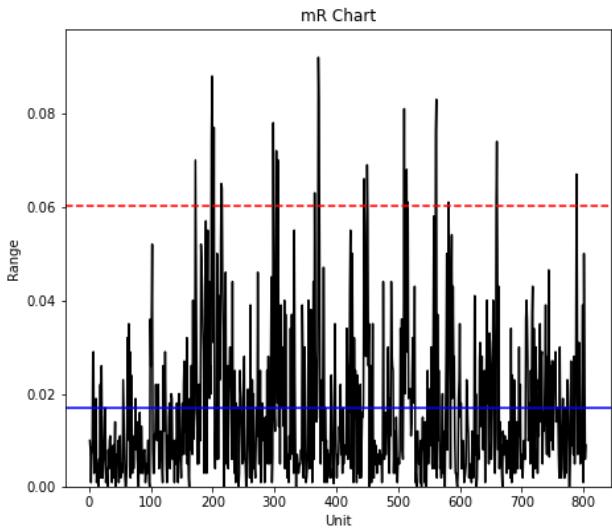
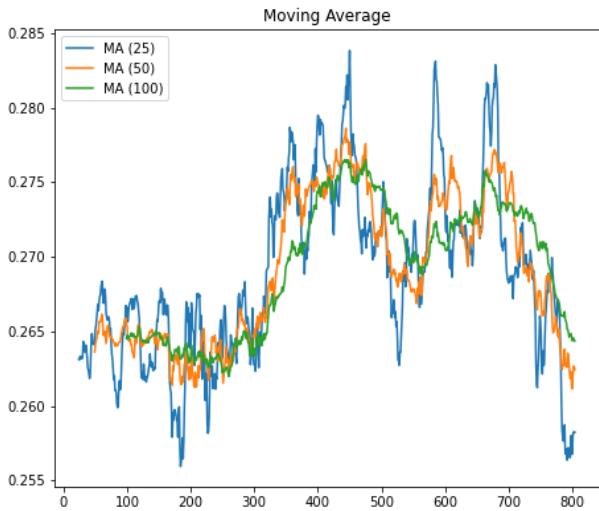
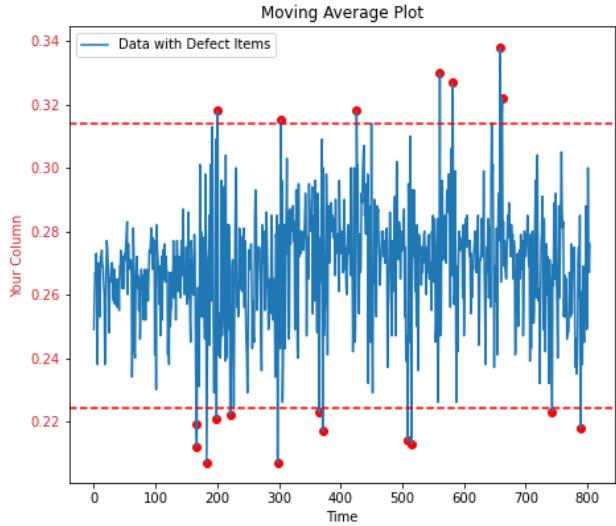
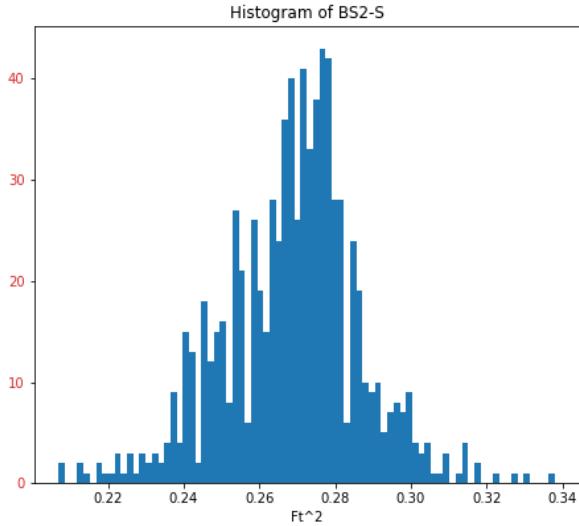
The lower control limit is: 0.215

Total 10 items out of control limit in 800 inspected items

The defect rate is $10/800 = 1.25\%$.

Analyze Report

Inspection Chart for BS2-S dimension:



The mean is: 0.269

The upper control limit is: 0.314

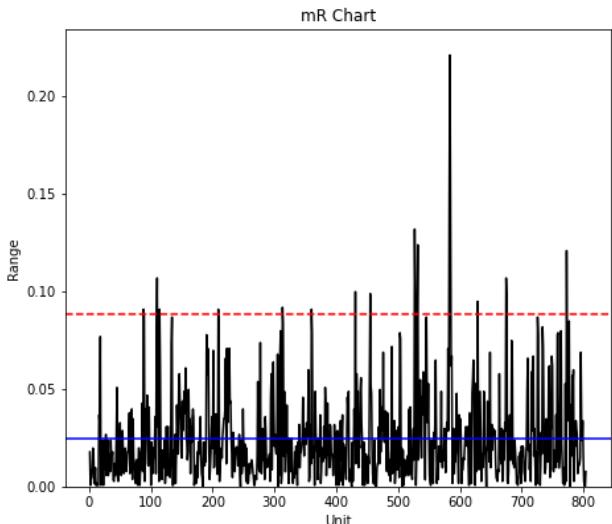
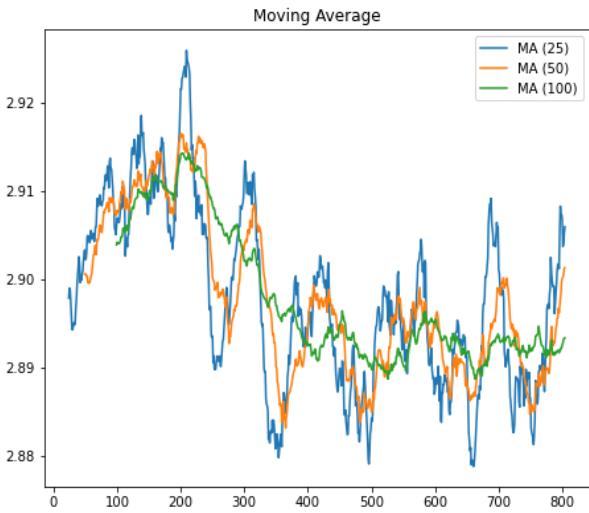
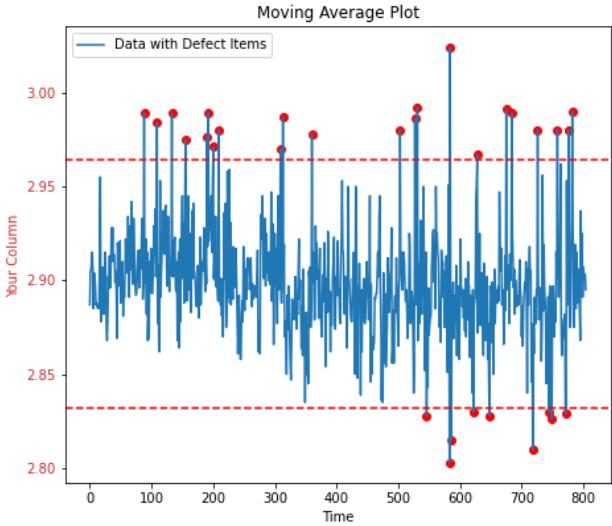
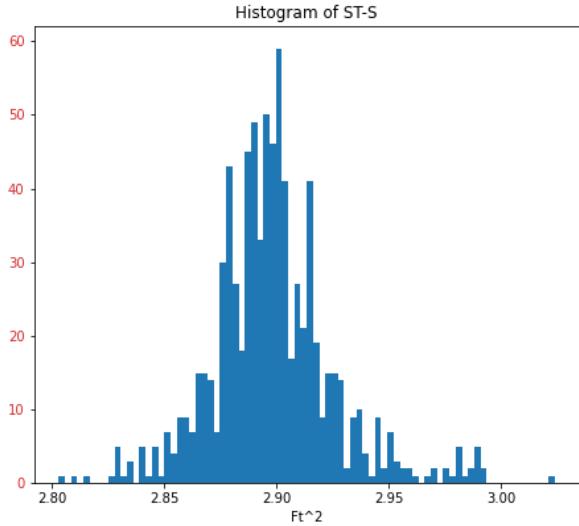
The lower control limit is: 0.224

Total 19 items out of control limit in 800 inspected items

The defect rate is $19/800 = 2.375\%$.

Analyze Report

Inspection Chart for ST-S dimension:



The mean is: 2.898

The upper control limit is: 2.964

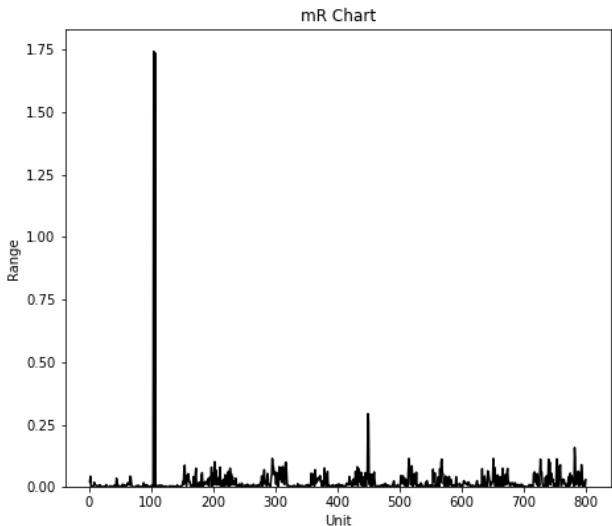
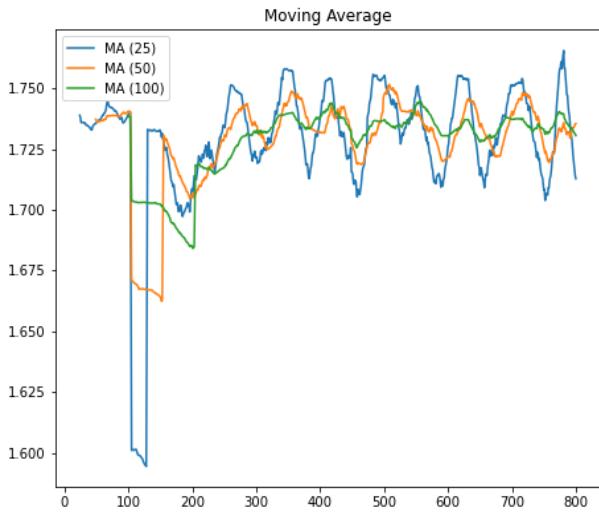
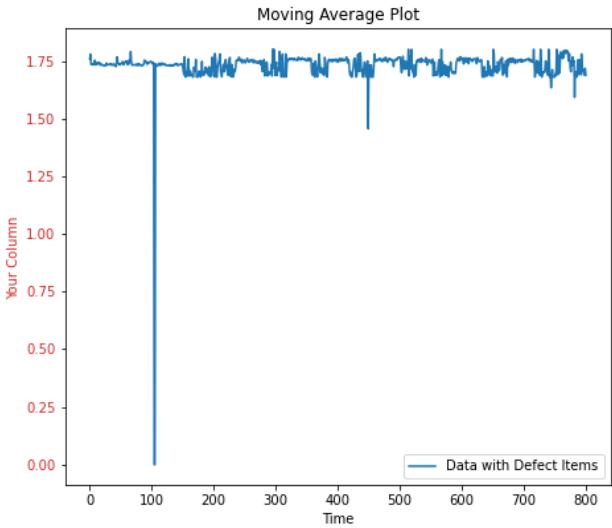
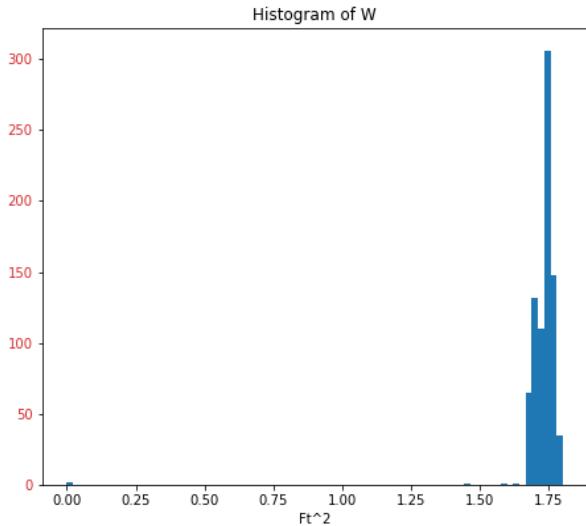
The lower control limit is: 2.832

Total 31 items out of control limit in 800 inspected items

The defect rate is $31/800 = 3.875\%$.

Analyze Report

Inspection Chart for W dimension:



The mean is: 1.729

The upper control limit is: nan

The lower control limit is: nan

Total 0 items out of control limit in 800 inspected items

The defect rate is 0/800 = 0.0%.