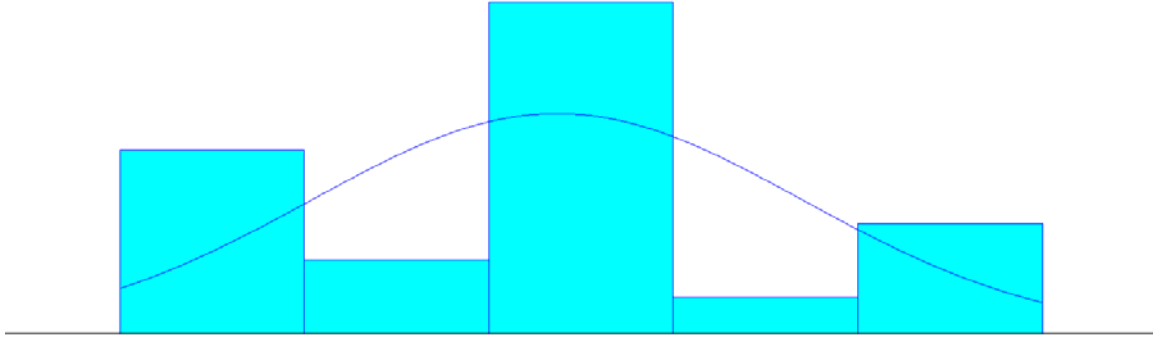


anexoA

PRUEBAS DE NORMALIDAD

Proceso de Corte



Distribution Summary

Distribution: Normal
Expression: NORM(37.5, 4.8)
Square Error: 0.091700

Chi Square Test

Number of intervals = 3
Degrees of freedom = 0
Test Statistic = 2.33
Corresponding p-value < 0.005

Kolmogorov-Smirnov Test

Test Statistic = 0.15
Corresponding p-value > 0.15

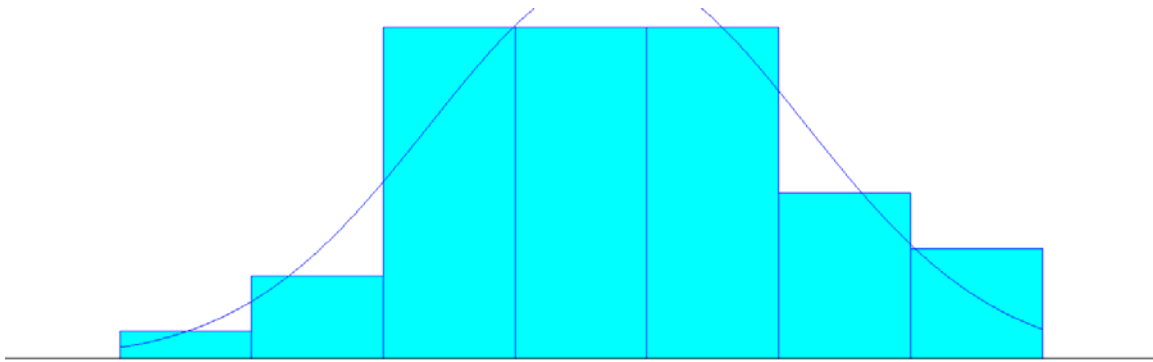
Data Summary

Number of Data Points = 20
Min Data Value = 29.8
Max Data Value = 46.6
Sample Mean = 37.5
Sample Std Dev = 4.92

Histogram Summary

Histogram Range = 29 to 47
Number of Intervals = 5

Proceso de Forja Gancho



Distribution Summary

Distribution: Normal
Expression: $NORM(31.3, 3.86)$
Square Error: 0.005472

Chi Square Test

Number of intervals = 5
Degrees of freedom = 2
Test Statistic = 1.33
Corresponding p-value = 0.516

Kolmogorov-Smirnov Test

Test Statistic = 0.0649
Corresponding p-value > 0.15

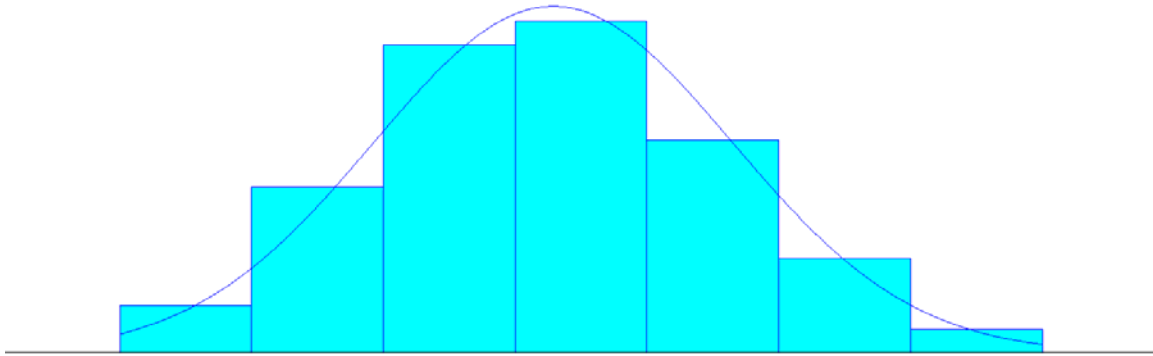
Data Summary

Number of Data Points = 50
Min Data Value = 21.4
Max Data Value = 39.7
Sample Mean = 31.3
Sample Std Dev = 3.9

Histogram Summary

Histogram Range = 21 to 40
Number of Intervals = 7

Proceso de Forja Zapa



Distribution Summary

Distribution: Normal
Expression: $NORM(21.1, 2.53)$
Square Error: 0.000708

Chi Square Test

Number of intervals = 5
Degrees of freedom = 2
Test Statistic = 0.187
Corresponding p-value > 0.75

Kolmogorov-Smirnov Test

Test Statistic = 0.0844
Corresponding p-value > 0.15

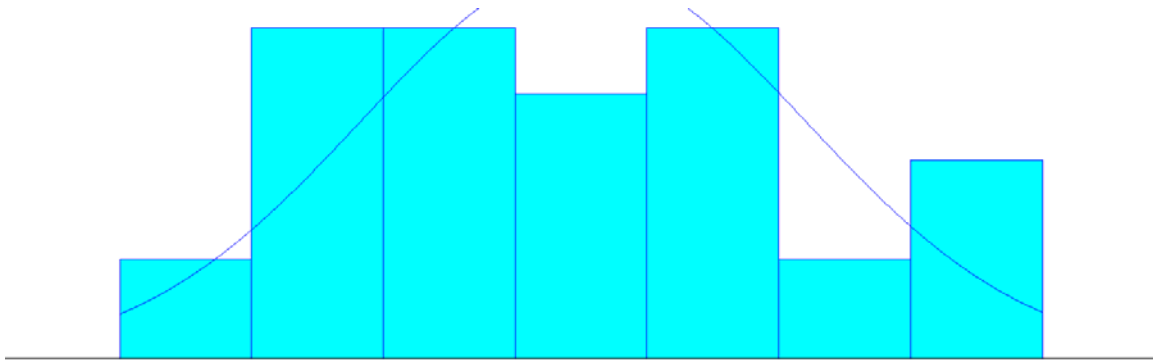
Data Summary

Number of Data Points = 50
Min Data Value = 15.3
Max Data Value = 27.5
Sample Mean = 21.1
Sample Std Dev = 2.56

Histogram Summary

Histogram Range = 15 to 28
Number of Intervals = 7

Proceso de Pulido



Distribution Summary

Distribution: Normal
Expression: $NORM(44, 2.9)$
Square Error: 0.020600

Chi Square Test

Number of intervals = 5
Degrees of freedom = 2
Test Statistic = 5.27
Corresponding p-value = 0.0759

Kolmogorov-Smirnov Test

Test Statistic = 0.0808
Corresponding p-value > 0.15

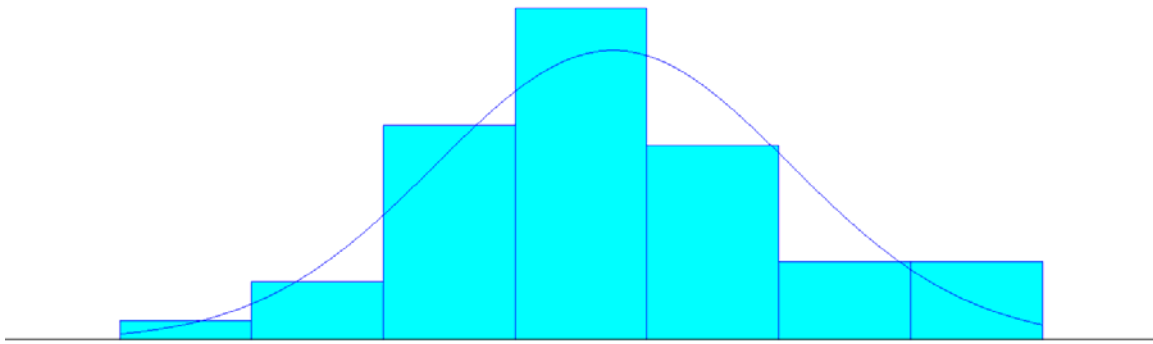
Data Summary

Number of Data Points = 50
Min Data Value = 38.6
Max Data Value = 49.1
Sample Mean = 44
Sample Std Dev = 2.92

Histogram Summary

Histogram Range = 38 to 50
Number of Intervals = 7

Proceso de Mercado láser



Distribution Summary

Distribution: Normal
Expression: $NORM(33.3, 1.54)$
Square Error: 0.010358

Chi Square Test

Number of intervals = 4
Degrees of freedom = 1
Test Statistic = 1.93
Corresponding p-value = 0.184

Kolmogorov-Smirnov Test

Test Statistic = 0.0911
Corresponding p-value > 0.15

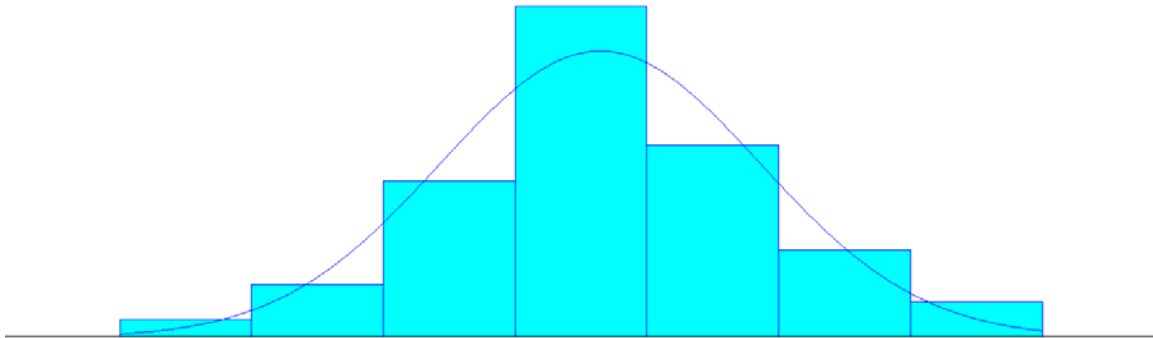
Data Summary

Number of Data Points = 50
Min Data Value = 29.7
Max Data Value = 36.6
Sample Mean = 33.3
Sample Std Dev = 1.55

Histogram Summary

Histogram Range = 29 to 37
Number of Intervals = 7

Proceso de Empaque



Distribution Summary

Distribution: Normal
Expression: $\text{NORM}(83.9, 3.3)$
Square Error: 0.006412

Chi Square Test

Number of intervals = 4
Degrees of freedom = 1
Test Statistic = 1.11
Corresponding p-value = 0.31

Kolmogorov-Smirnov Test

Test Statistic = 0.0962
Corresponding p-value > 0.15

Data Summary

Number of Data Points = 50
Min Data Value = 74.5
Max Data Value = 92
Sample Mean = 83.9
Sample Std Dev = 3.33

Histogram Summary

Histogram Range = 74 to 93
Number of Intervals = 7