

Explore

[DataSet1] D:\IoMT-Simulation\IoMT-Python\SPSS-DATA\IoMT_EncryptionData.sav

encryption_type

Case Processing Summary

		Valid		Missing		Total
encryption_type		N	Percent	N	Percent	N
file_size_kb	ECC	15	100.0%	0	0.0%	15
	None	10	100.0%	0	0.0%	10
	RSA-FHE	15	100.0%	0	0.0%	15
avg_row_length_bytes	ECC	15	100.0%	0	0.0%	15
	None	10	100.0%	0	0.0%	10
	RSA-FHE	15	100.0%	0	0.0%	15
simulated_encryption_time_sec	ECC	15	100.0%	0	0.0%	15
	None	10	100.0%	0	0.0%	10
	RSA-FHE	15	100.0%	0	0.0%	15

Case Processing Summary

		Cases
		Total
encryption_type		Percent
file_size_kb	ECC	100.0%
	None	100.0%
	RSA-FHE	100.0%
avg_row_length_bytes	ECC	100.0%
	None	100.0%
	RSA-FHE	100.0%
simulated_encryption_time_sec	ECC	100.0%
	None	100.0%
	RSA-FHE	100.0%

Descriptives

	encryption_type	Statistic	
file_size_kb	ECC	Mean	1114.7153
		95% Confidence Interval for Mean	Lower Bound 712.9338
			Upper Bound 1516.4969
		5% Trimmed Mean	1067.5337
		Median	768.8400
		Variance	526384.492
		Std. Deviation	725.52360
		Minimum	512.01
		Maximum	2566.69
		Range	2054.68
		Interquartile Range	1181.45
		Skewness	1.037
		Kurtosis	-.542
	None	Mean	60.6650
		95% Confidence Interval for Mean	Lower Bound 60.6612
			Upper Bound 60.6688
		5% Trimmed Mean	60.6650
		Median	60.6650
		Variance	.000
		Std. Deviation	.00527
		Minimum	60.66
		Maximum	60.67
		Range	.01
		Interquartile Range	.01
		Skewness	.000
		Kurtosis	-2.571
	RSA-FHE	Mean	841.3040
		95% Confidence Interval for Mean	Lower Bound 683.9553
			Upper Bound 998.6527
		5% Trimmed Mean	831.7989
		Median	855.5600
		Variance	80732.707
		Std. Deviation	284.13502
		Minimum	427.83
		Maximum	1425.87
		Range	998.04
		Interquartile Range	427.73
		Skewness	.584
		Kurtosis	-.096

Descriptives

	encryption_type		Std. Error
file_size_kb	ECC	Mean	187.32939
		95% Confidence Interval for Mean	Lower Bound
			Upper Bound
		5% Trimmed Mean	
		Median	
		Variance	
		Std. Deviation	
		Minimum	
		Maximum	
		Range	
		Interquartile Range	
		Skewness	.580
		Kurtosis	1.121
	None	Mean	.00167
		95% Confidence Interval for Mean	Lower Bound
			Upper Bound
		5% Trimmed Mean	
		Median	
		Variance	
		Std. Deviation	
		Minimum	
		Maximum	
		Range	
		Interquartile Range	
		Skewness	.687
		Kurtosis	1.334
	RSA-FHE	Mean	73.36335
		95% Confidence Interval for Mean	Lower Bound
			Upper Bound
		5% Trimmed Mean	
		Median	
		Variance	
		Std. Deviation	
		Minimum	
		Maximum	
		Range	
		Interquartile Range	
		Skewness	.580
		Kurtosis	1.121

Descriptives

	encryption_type			Statistic
avg_row_length_bytes	ECC	Mean		252.4340
		95% Confidence Interval for Mean	Lower Bound	252.2865
			Upper Bound	252.5815
		5% Trimmed Mean		252.4311
		Median		252.4000
		Variance		.071
		Std. Deviation		.26643
		Minimum		252.10
		Maximum		252.82
		Range		.72
		Interquartile Range		.49
		Skewness		.300
		Kurtosis		-1.411
	None	Mean		53.0270
		95% Confidence Interval for Mean	Lower Bound	53.0211
			Upper Bound	53.0329
		5% Trimmed Mean		53.0267
		Median		53.0250
		Variance		.000
		Std. Deviation		.00823
		Minimum		53.02
		Maximum		53.04
		Range		.02
		Interquartile Range		.01
		Skewness		.687
		Kurtosis		-1.043
	RSA-FHE	Mean		63.0000
		95% Confidence Interval for Mean	Lower Bound	63.0000
			Upper Bound	63.0000
		5% Trimmed Mean		63.0000
		Median		63.0000
		Variance		.000
		Std. Deviation		.00000
		Minimum		63.00
		Maximum		63.00
		Range		.00
		Interquartile Range		.00
		Skewness		.
		Kurtosis		.

Descriptives

	encryption_type		Std. Error
avg_row_length_bytes	ECC	Mean	.06879
		95% Confidence Interval for Mean	Lower Bound
			Upper Bound
		5% Trimmed Mean	
		Median	
		Variance	
		Std. Deviation	
		Minimum	
		Maximum	
		Range	
		Interquartile Range	
		Skewness	.580
		Kurtosis	1.121
	None	Mean	.00260
		95% Confidence Interval for Mean	Lower Bound
			Upper Bound
		5% Trimmed Mean	
		Median	
		Variance	
		Std. Deviation	
		Minimum	
		Maximum	
		Range	
		Interquartile Range	
		Skewness	.687
		Kurtosis	1.334
	RSA-FHE	Mean	.00000
		95% Confidence Interval for Mean	Lower Bound
			Upper Bound
		5% Trimmed Mean	
		Median	
		Variance	
		Std. Deviation	
		Minimum	
		Maximum	
		Range	
		Interquartile Range	
		Skewness	.
		Kurtosis	.

Descriptives

encryption_type		Statistic	
simulated_encryption_time_s ec	ECC	Mean	4.347
		95% Confidence Interval for Mean	Lower Bound
			Upper Bound
		5% Trimmed Mean	4.163
		Median	3.000
		Variance	7.980
		Std. Deviation	2.8249
		Minimum	2.0
		Maximum	10.0
		Range	8.0
		Interquartile Range	4.6
		Skewness	1.037
		Kurtosis	-.542
	None	Mean	.000
		95% Confidence Interval for Mean	Lower Bound
			Upper Bound
		5% Trimmed Mean	.000
		Median	.000
		Variance	.000
		Std. Deviation	.0000
		Minimum	.0
		Maximum	.0
		Range	.0
		Interquartile Range	.0
		Skewness	.
		Kurtosis	.
	RSA-FHE	Mean	23.600
		95% Confidence Interval for Mean	Lower Bound
			Upper Bound
		5% Trimmed Mean	23.333
		Median	24.000
		Variance	63.543
		Std. Deviation	7.9714
		Minimum	12.0
		Maximum	40.0
		Range	28.0
		Interquartile Range	12.0
		Skewness	.584
		Kurtosis	-.096

Descriptives

encryption_type		Std. Error	
simulated_encryption_time_s ec	ECC	Mean	.7294
		95% Confidence Interval for Mean	Lower Bound
			Upper Bound
		5% Trimmed Mean	
		Median	
		Variance	
		Std. Deviation	
		Minimum	
		Maximum	
		Range	
		Interquartile Range	
		Skewness	.580
		Kurtosis	1.121
	None	Mean	.0000
		95% Confidence Interval for Mean	Lower Bound
			Upper Bound
		5% Trimmed Mean	
		Median	
		Variance	
		Std. Deviation	
		Minimum	
		Maximum	
		Range	
		Interquartile Range	
		Skewness	.
		Kurtosis	.
	RSA-FHE	Mean	2.0582
		95% Confidence Interval for Mean	Lower Bound
			Upper Bound
		5% Trimmed Mean	
		Median	
		Variance	
		Std. Deviation	
		Minimum	
		Maximum	
		Range	
		Interquartile Range	
		Skewness	.580
		Kurtosis	1.121

file_size_kb

Stem-and-Leaf Plots

file_size_kb Stem-and-Leaf Plot for
encryption_type= ECC

Frequency	Stem &	Leaf
10.00	0 .	5556667777
.00	1 .	
2.00	1 .	57
2.00	2 .	03
1.00	2 .	5

Stem width: 1000.00
Each leaf: 1 case(s)

file_size_kb Stem-and-Leaf Plot for
encryption_type= None

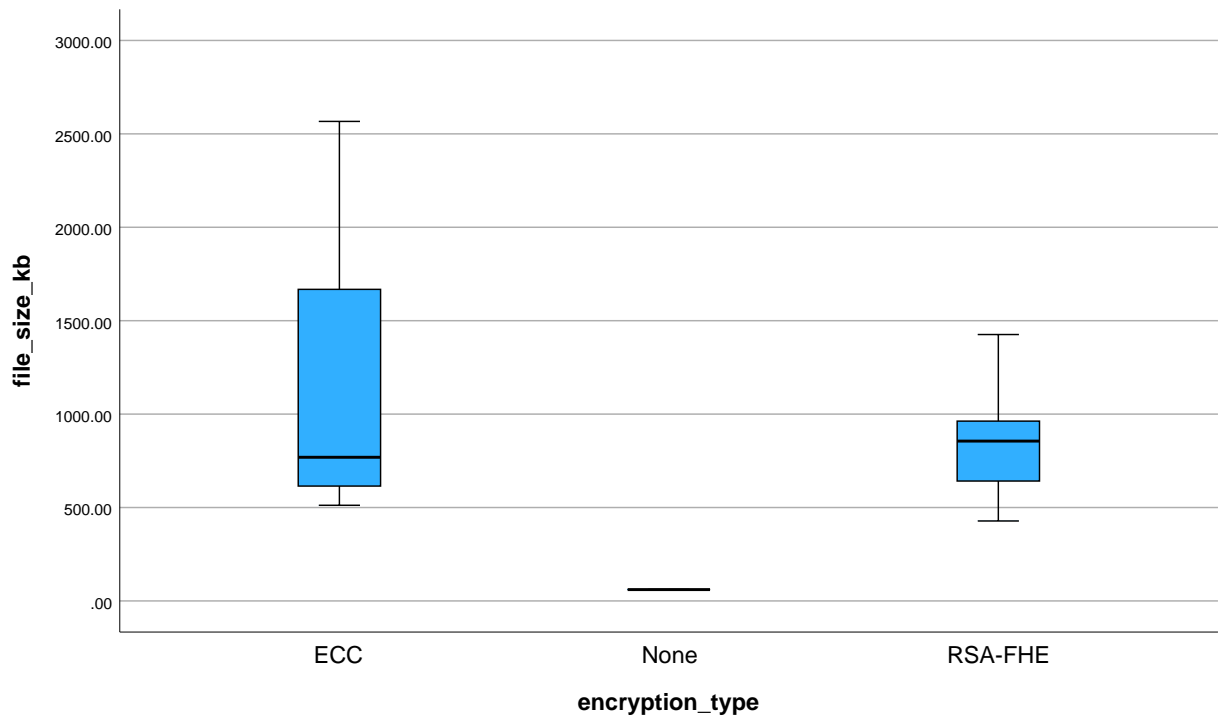
Frequency	Stem &	Leaf
5.00	6066 .	00000
.00	6066 .	
5.00	6067 .	00000

Stem width: .01
Each leaf: 1 case(s)

file_size_kb Stem-and-Leaf Plot for
encryption_type= RSA-FHE

Frequency	Stem &	Leaf
2.00	0 .	44
10.00	0 .	5577788899
3.00	1 .	124

Stem width: 1000.00
Each leaf: 1 case(s)



avg_row_length_bytes

Stem-and-Leaf Plots

avg_row_length_bytes Stem-and-Leaf Plot for
encryption_type= ECC

Frequency	Stem &	Leaf
3.00	252 .	111
4.00	252 .	2233
3.00	252 .	444
3.00	252 .	777
2.00	252 .	88

Stem width: 1.00
Each leaf: 1 case(s)

avg_row_length_bytes Stem-and-Leaf Plot for
encryption_type= None

Frequency	Stem &	Leaf
5.00	5302 .	00000
.00	5302 .	

```

3.00      5303 . 000
.00       5303 .
2.00      5304 . 00

```

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Stem width:      .01
Each leaf:       1 case(s)

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avg_row_length_bytes Stem-and-Leaf Plot for
encryption_type= RSA-FHE

```

```

Frequency      Stem & Leaf

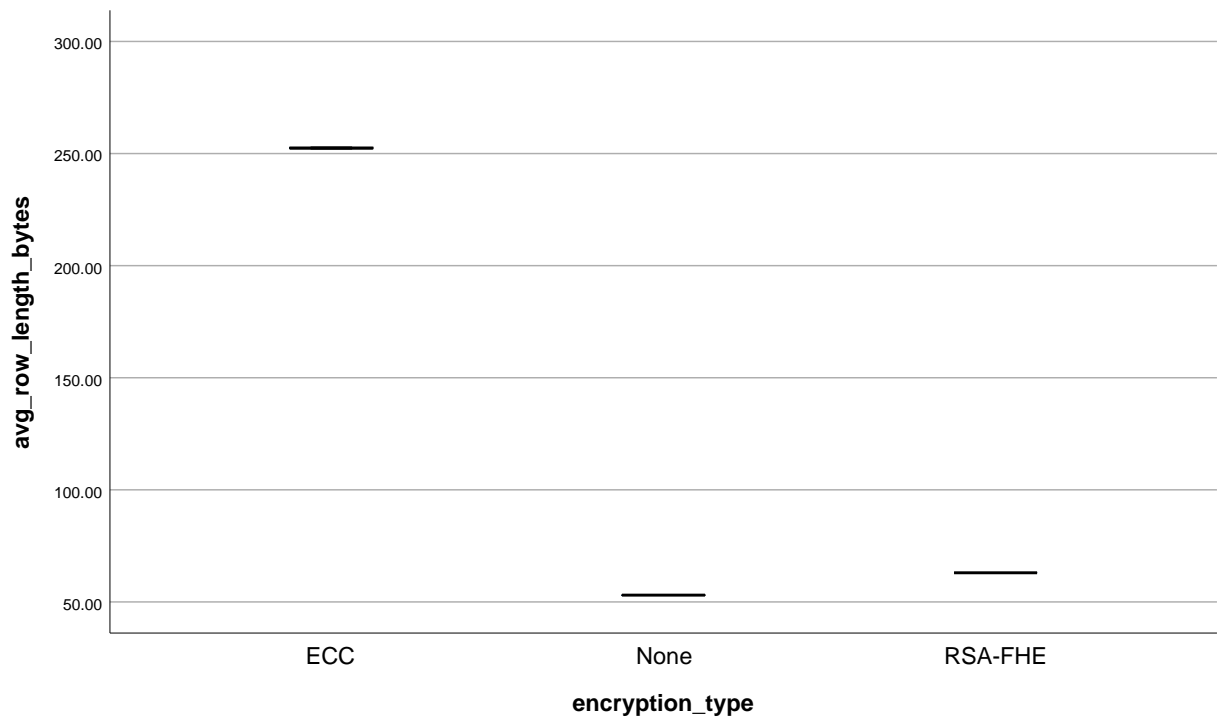
15.00          6 . 3333333333333333

```

```

Stem width:     10.00
Each leaf:      1 case(s)

```



simulated_encryption_time_sec

Stem-and-Leaf Plots

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simulated_encryption_time_sec Stem-and-Leaf Plot for
encryption_type= ECC

```

Frequency	Stem &	Leaf
10.00	0 .	2222222333
4.00	0 .	6789
1.00	1 .	0

Stem width: 10.0
Each leaf: 1 case(s)

simulated_encryption_time_sec Stem-and-Leaf Plot for
encryption_type= None

Frequency	Stem &	Leaf
10.00	0 .	0000000000

Stem width: 10.0
Each leaf: 1 case(s)

simulated_encryption_time_sec Stem-and-Leaf Plot for
encryption_type= RSA-FHE

Frequency	Stem &	Leaf
4.00	1 .	2466
8.00	2 .	00244468
2.00	3 .	26
1.00	4 .	0

Stem width: 10.0
Each leaf: 1 case(s)

